APPENDIX A LEGAL DESCRIPTION

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NextEra Blythe Solar Energy Center, LLC

March 7, 2013

VIA Certified Mail and E-Mail/PDF

James G. Kenna
Director, California State Office
Bureau of Land Management
U.S. Department of the Interior
2800 Cottage Way, Suite W-1623
Sacramento, CA 95825

Re: Partial Relinquishment of Right-of-Way, Blythe Solar Project, CACA-48811

Dear Mr. Kenna:

On behalf of NextEra Blythe Solar Energy Center, LLC ("NextEra Blythe"), I am writing to notify the Bureau of Land Management ("BLM) that NextEra Blythe is hereby relinquishing an approximate 2,408.65 acre portion of its right-of-way ("ROW") Grant for the Blythe Solar Project, which was approved for assignment to NextEra Blythe on August 22, 2012. The relinquished area is located in the western portion of the ROW Grant and constitutes a portion of the area approved for the location of the solar generating facility.

The retained area of the ROW Grant is identified on the attached map (Exhibit A) and legal description (Exhibits B1-B5). The retained area constitutes approximately 4,616.35 acres in total and includes the eastern portion of the area for the solar generating facility and all of the ancillary and linear facilities covered by the ROW Grant. We request that BLM issue a revised legal description and map for the ROW Grant and a revised rent determination (effective April 1, 2013). We are not requesting a revised performance and reclamation bond at this time, but will update this information in the future in conjunction with a revised Plan of Development for the project.

Neither NextEra Blythe, nor its predecessor Palo Verde Solar I, LLC, were issued any notice to proceed or have undertaken any construction activity within the relinquished area. Those lands therefore remain undisturbed under the terms of the ROW Grant and do not trigger any of the decommissioning or reclamation obligations set forth in the ROW Grant.

We appreciate your assistance with regard to this matter. Please contact Stuart McCurdy at (561) 304-5609 or stuart.mccurdy@nexteraenergy.com if you have any questions.

Sincerely,

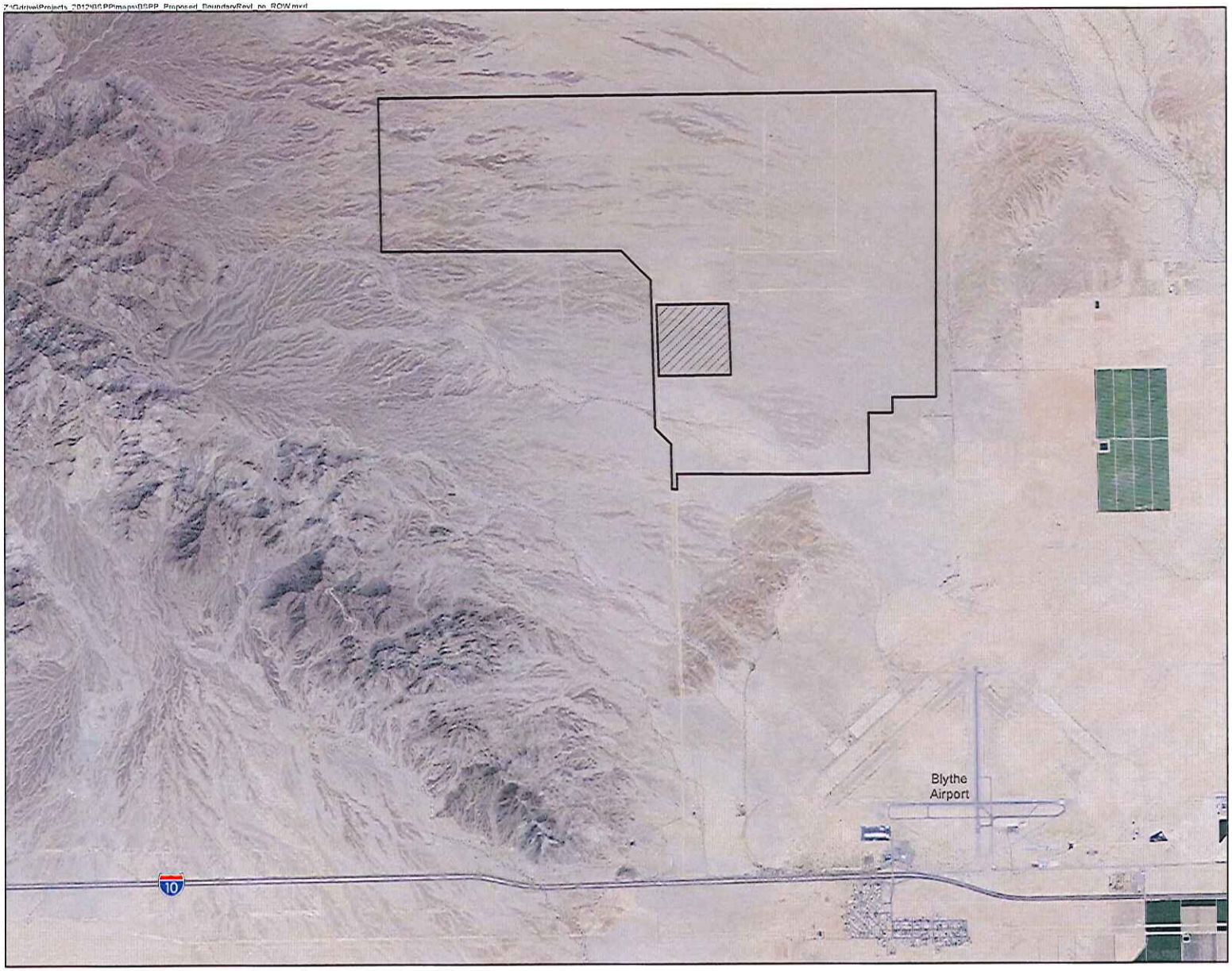
Gregory Schneck
Vice President

Attachments: (A) Map; and (B1-B5) Legal Descriptions

cc: Jeff Childers, BLM Project Manager, CDD (via email)
Brandon Anderson, Realty Specialist, State Office (via email)

EXHIBIT A

Z:\GdriveProjects_2012\BSPPmaps\BSPP_Proposed_BoundaryRev1_no_ROW.mxd



BLYTHE SOLAR POWER PROJECT RIVERSIDE COUNTY, CA

Legend

- BSPP Boundary
- Private Land

0 2,000 4,000 8,000
Feet

Notes:
(a) UTM Zone 11, NAD 1983 Projection.
(b) Source data: USDA, Tt, Worley Parsons

BSPP BOUNDARY

TETRA TECH

EXHIBIT B1

AMENDED BSPP RIGHT OF WAY
LEGAL DESCRIPTION

BEING PORTIONS OF SECTION 4, SECTION 9, TRACT 37 THROUGH TRACT 43, INCLUSIVE, TRACT 45, TRACT 46, TRACT 47 AND TRACT 49 THROUGH TRACT 56, INCLUSIVE, TOWNSHIP 6 SOUTH, RANGE 21 EAST, SBM; SECTION 6, SECTION 7 AND SECTION 18, TOWNSHIP 6 SOUTH, RANGE 22 EAST, SBM, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF SAID TRACT 38, SAID CORNER BEING 1" IRON PIPE WITH 2 1/2" GENERAL LAND OFFICE BRASS TAG PER GOVERNMENT SURVEY FIELD NOTES AS FILED IN BOOK 452-6, PAGE 3, RECORDS OF BUREAU LAND MANAGEMENT;

THENCE SOUTH 01°47'10" EAST 88.86 FEET ALONG THE EAST LINE OF SAID TRACT 38 TO THE **TRUE POINT OF BEGINNING,** SAID POINT BEING NORTH 01°47'10" WEST 5183.37 FEET, MEASURED ALONG THE EAST LINE OF SAID TRACT 38 FROM THE SOUTHEAST CORNER THEREOF, SAID CORNER BEING 1" IRON PIPE WITH 2 1/2" GENERAL LAND OFFICE BRASS TAG AS FILED IN BOOK 452-6, PAGE 3, RECORDS OF BUREAU LAND MANAGEMENT;

THENCE NORTH 89°24'07" EAST 5287.30 FEET;

THENCE SOUTH 00°05'01" WEST 3779.86 FEET;

THENCE SOUTH 00°39'28" EAST 1554.72 FEET;

THENCE SOUTH 00°07'00" WEST 6055.34 FEET;

THENCE SOUTH 89°20'32" WEST 1614.80 FEET

THENCE SOUTH 00°00'00" WEST 568.85 FEET;

THENCE SOUTH 90°00'00" WEST 890.51 FEET;

THENCE SOUTH 00°39'28" EAST 2241.31 FEET;

THENCE SOUTH 89°20'32" WEST 1277.15 FEET;

THENCE SOUTH 89°54'35" EAST 5840.60 FEET;

THENCE SOUTH 00°47'04" EAST 572.06 FEET;

THENCE NORTH 90°00'00" WEST 200.02 FEET;

THENCE NORTH 00°47'04" WEST 1698.80 FEET;

AMENDED BSPP RIGHT OF WAY
LEGAL DESCRIPTION

THENCE NORTH 45°39'28" WEST 821.79 FEET;

THENCE NORTH 01°47'45" WEST 1950.49 FEET;

THENCE NORTH 01°46'54" WEST 3591.56 FEET;

THENCE NORTH 45°00'00" WEST 1526.68 FEET;

THENCE SOUTH 89°59'27" WEST 8861.48 FEET TO THE EAST LINE OF THE NORTHWEST QUARTER OF SAID SECTION 9;

THENCE NORTH 00°49'12" WEST 485.80 FEET ALONG THE EAST LINE OF THE NORTHWEST QUARTER OF SAID SECTION 9 TO THE NORTH QUARTER CORNER THEREOF;

THENCE NORTH 00°57'01" WEST 5223.58 FEET ALONG THE EAST LINE OF THE WEST HALF OF SAID SECTION 4;

THENCE NORTH 89°24'07" EAST 15321.49 FEET TO THE **TRUE POINT OF BEGINNING.**

EXCEPTING THEREFROM TRACT 48, TOWNSHIP 6 SOUTH, RANGE 21 EAST, SBM.

DESCRIBED PARCEL CONTAINS 4431.35 ACRES, MORE OR LESS.

FOR GRAPHICAL PURPOSES SEE EXHIBIT "B" ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

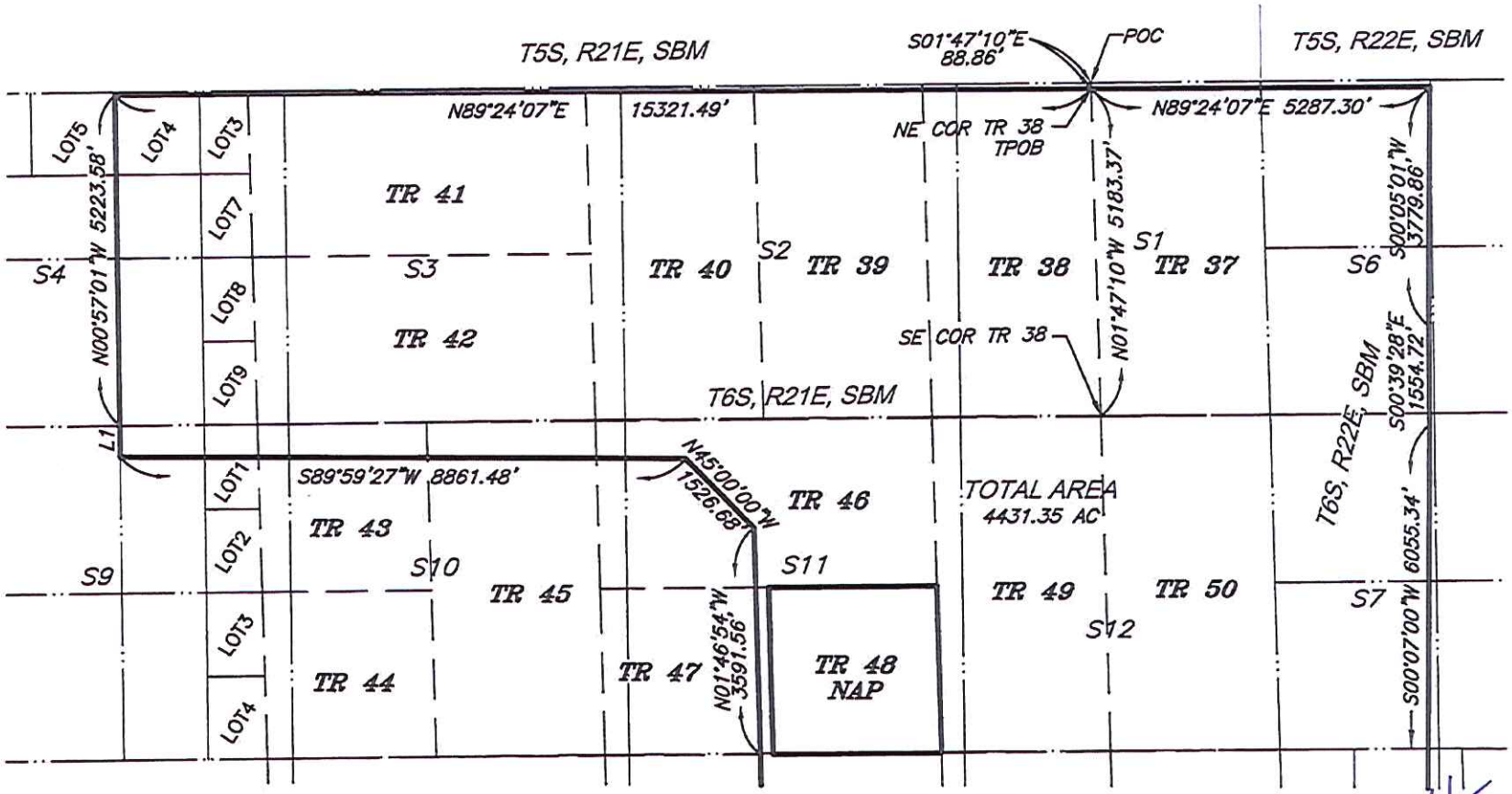
Prepared under the supervision of:

Date: 02/28/13

Robert K Holt, RCE 27943
Expires 3/31/2014
The Holt Group, Inc
201 E Hobsonway
Blythe, CA 92225
(760) 922-4658

REGISTERED PROFESSIONAL ENGINEER
ROBERT K. HOLT
No. 27943
Exp. 3-31-14
CIVIL
STATE OF CALIFORNIA
02/28/13

AMENDED BSPP RIGHT OF WAY



SCALE: 1" = 2500'

LINE DATA

NO.	BEARING	DISTANCE
L1	N00°49'12"W	485.80'

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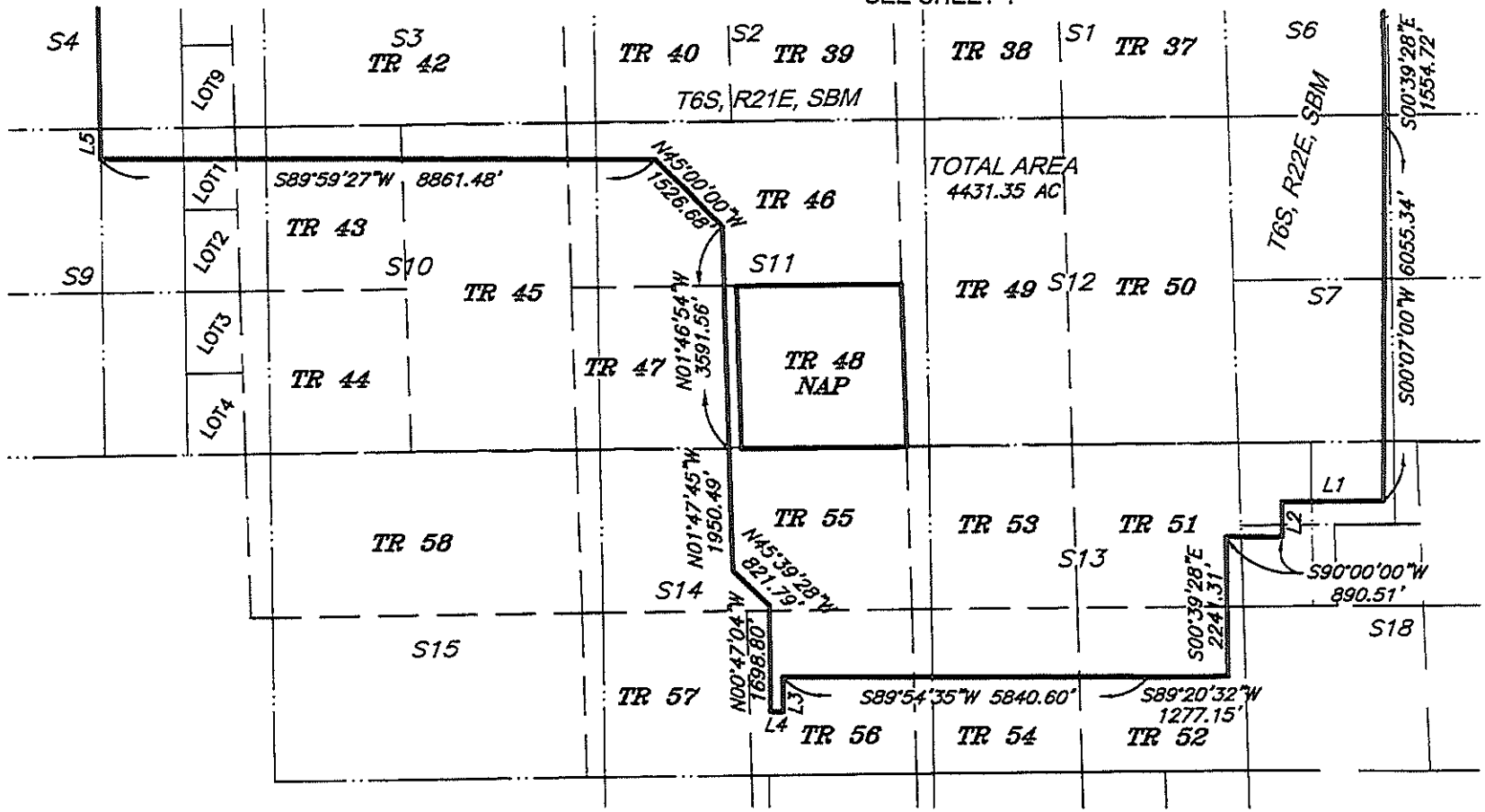
1601 N. Imperial Ave., El Centro, CA. 92243
Phone: (760) 337-3883 Fax: (760) 337-5997

THG NO. 632.073

DATE: 02/28/2013 BY: TJH

AMENDED BSPP RIGHT OF WAY

SEE SHEET 1



LINE DATA

NO.	BEARING	DISTANCE
L1	S89°20'32"W	1614.80'
L2	S00°00'00"W	568.85'
L3	S00°47'04"E	572.06'
L4	N90°00'00"W	200.02'
L5	N00°49'12"W	485.80'

SCALE: 1" = 2500'

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EXHIBIT B2

GEN-TIE AND OVERHEAD FIBER OPTIC
LEGAL DESCRIPTION

PARCEL "A"

LOT 5, LOT 6 AND SW¼ SW¼ SECTION 23; TRACT 56; TRACT 59; TRACT 71; TRACT 78A; TRACT 78B; TRACT 79, ALL LYING WITHIN TOWNSHIP 6 SOUTH, RANGE 21 EAST, SBM, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA.

DESCRIBED PARCEL "A" CONTAINS 57.14 ACRES, MORE OR LESS.

PARCEL "B"

TRACTS 78B AND 80, TOWNSHIP 6 SOUTH, RANGE 21 EAST, SBM, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA.

LOT 4, LOT 5, SW¼ NE¼, NW¼ SE¼ AND E½ SW¼ SECTION 2; S½ S½ SECTION 3; S½ S½ SECTION 4; S½ S½ SECTION 5; SE¼ SE¼ SECTION 6; E½ NE¼ SECTION 7; NE¼ NE¼ SECTIONS 10; N½ NW¼ SECTION 11, ALL LYING WITHIN TOWNSHIP 7 SOUTH, RANGE 21 EAST, SBM, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA.

DESCRIBED PARCEL "B" CONTAINS 70.27 ACRES, MORE OR LESS.

FOR GRAPHICAL PURPOSES SEE EXHIBIT "B" ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

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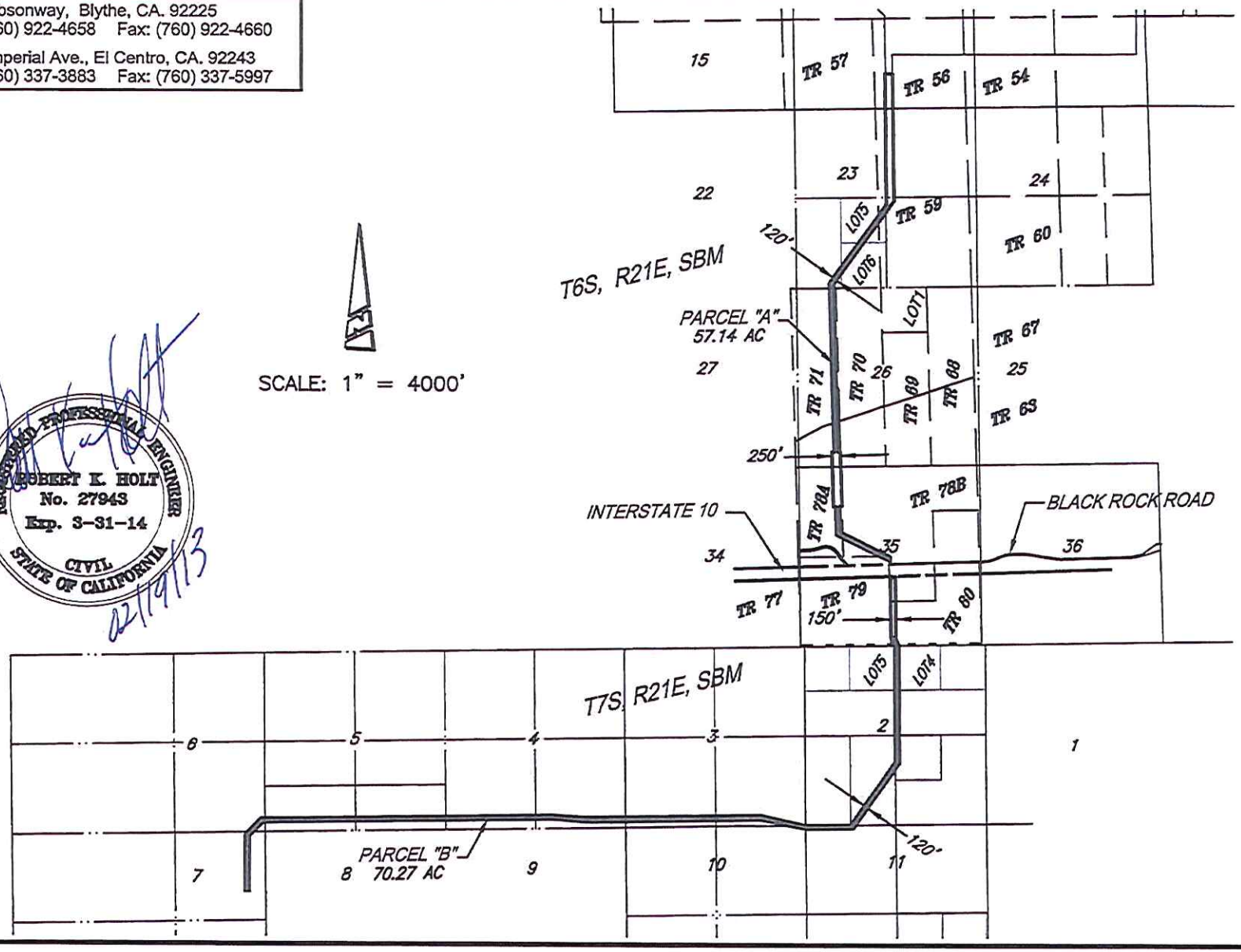
BSPP GEN-TIE AND OVERHEAD FIBER OPTIC



SCALE: 1" = 4000'

REGISTERED PROFESSIONAL ENGINEER
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No. 27943
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CIVIL
STATE OF CALIFORNIA

02/19/13

THG NO. 632.073

DATE: 02/14/2013 BY: TJH

EXHIBIT B3

NATURAL GAS LINE
LEGAL DESCRIPTION

PARCEL "A"

LOT 1 SECTION 26; TRACT 56; TRACT 59; TRACT 69; TRACT 78B, ALL LYING WITHIN TOWNSHIP 6 SOUTH, RANGE 21 EAST, SBM, COUNTY OF RIVERSIDE, SATE OF CALIFORNIA.

DESCRIBED PARCEL "A" CONTAINS 46.11 ACRES, MORE OR LESS.

PARCEL "B"

TRACTS 78B AND 80, TOWNSHIP 6 SOUTH, RANGE 21 EAST, SBM, COUNTY OF RIVERSIDE, SATE OF CALIFORNIA.

DESCRIBED PARCEL "B" CONTAINS 5.98 ACRES, MORE OR LESS.

FOR GRAPHICAL PURPOSES SEE EXHIBIT "B" ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

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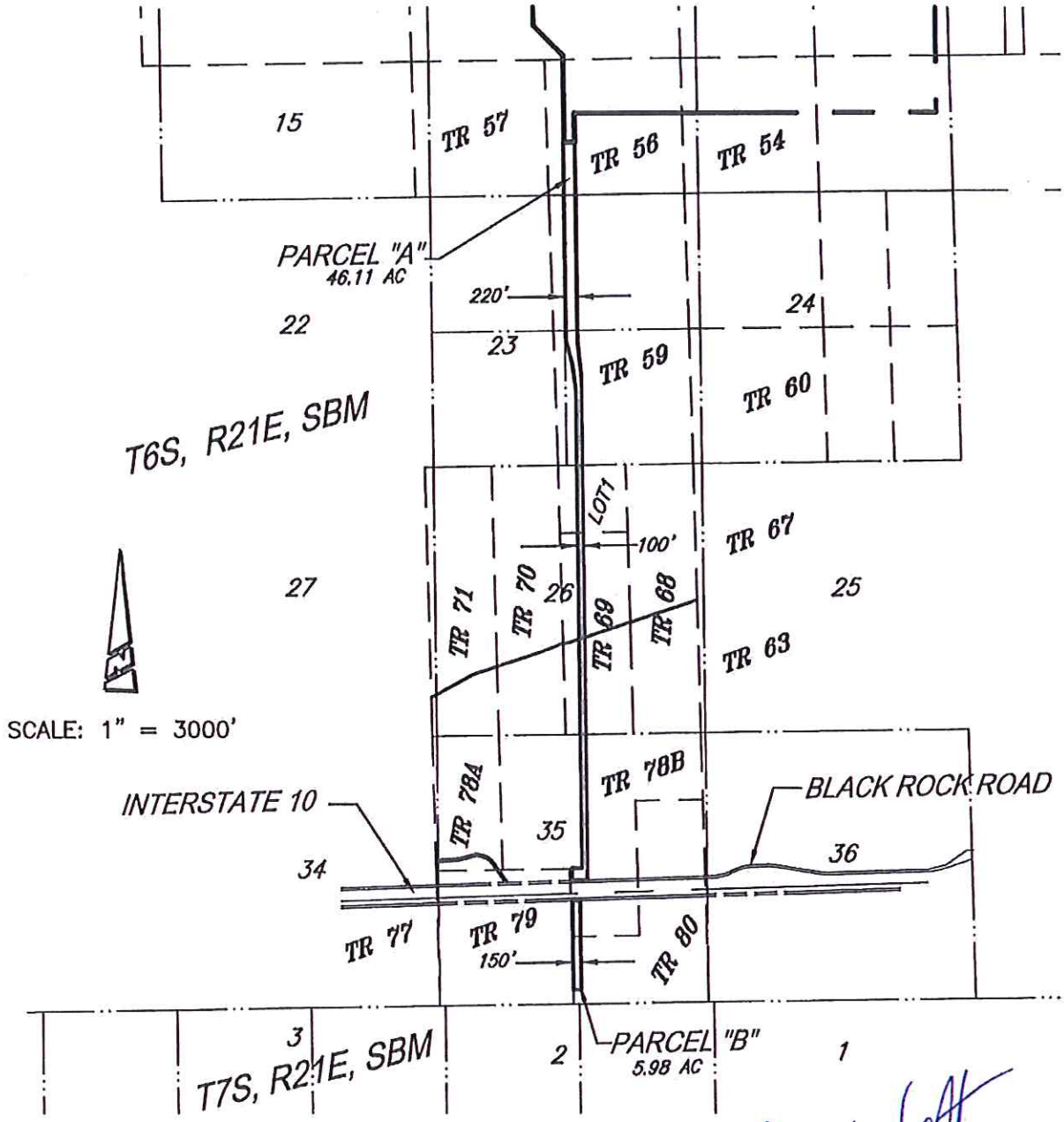
02/19/13

THG NO. 632.073

SHEET 1 OF 1

BSPP NATURAL GAS LINE



PROFESSIONAL ENGINEER
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02/14/13

DATE: 02/14/2013 BY: TJH

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EXHIBIT B4

REDUNDANT FIBER OPTIC
LEGAL DESCRIPTION

PARCEL "A"

LOT 1 SECTION 26; TRACT 56; TRACT 59; TRACT 69; TRACT 78B, ALL LYING WITHIN TOWNSHIP 6 SOUTH, RANGE 21 EAST, SBM, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA.

DESCRIBED PARCEL "A" CONTAINS 46.11 ACRES, MORE OR LESS.

PARCEL "B"

TRACTS 78B AND 80, TOWNSHIP 6 SOUTH, RANGE 21 EAST, SBM, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA.

LOT 4, LOT 5, SW¼ NE¼, NW¼ SE¼ AND E½ SW¼ SECTION 2; S½ S½ SECTION 3; S½ S½ SECTION 4; S½ S½ SECTION 5; SE¼ SE¼ SECTION 6; E½ NE¼ SECTION 7; NE¼ NE¼ SECTIONS 10; N½ NW¼ SECTION 11, ALL LYING WITHIN TOWNSHIP 7 SOUTH, RANGE 21 EAST, SBM, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA.

DESCRIBED PARCEL "B" CONTAINS 70.27 ACRES, MORE OR LESS.

FOR GRAPHICAL PURPOSES SEE EXHIBIT "B" ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

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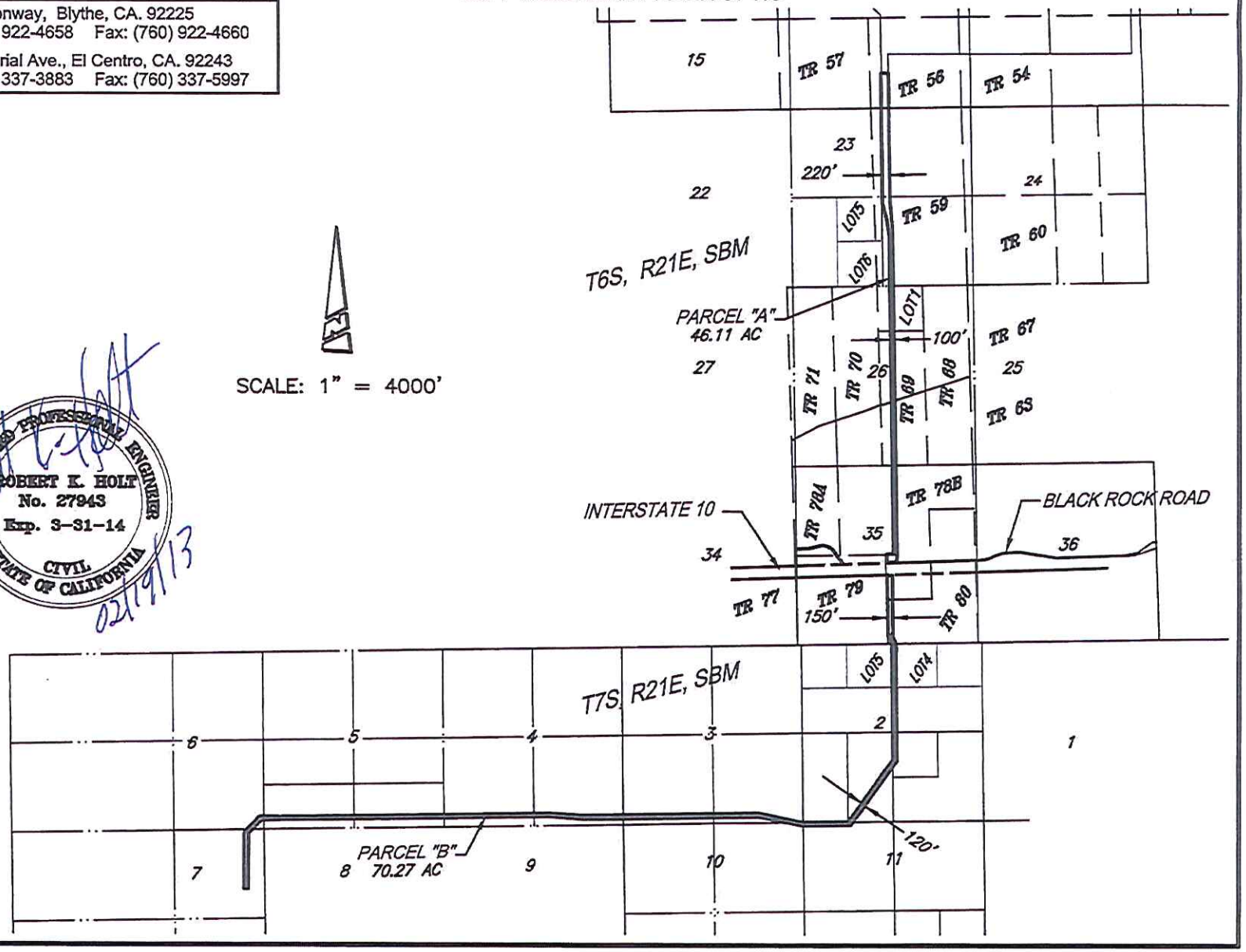
BSPP REDUNDANT FIBER OPTIC



SCALE: 1" = 4000'

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No. 27943
Exp. 3-31-14
CIVIL
STATE OF CALIFORNIA

02/19/13

THG NO. 632.073

DATE: 02/14/2013 BY: TJH

EXHIBIT B5

BSPP ACCESS ROAD
LEGAL DESCRIPTION

PARCEL "A"

LOT 1 SECTION 26; TRACT 56; TRACT 59; TRACT 69; TRACT 78B, ALL LYING WITHIN TOWNSHIP 6 SOUTH, RANGE 21 EAST, SBM, COUNTY OF RIVERSIDE, SATE OF CALIFORNIA.

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Prepared under the supervision of:

Date: 02/19/13

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Expires 3/31/2014
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ROBERT K. HOLT
No. 27943
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CIVIL
STATE OF CALIFORNIA
02/19/13

THG NO. 632.073

SHEET 1 OF 1

BSPP ACCESS ROAD

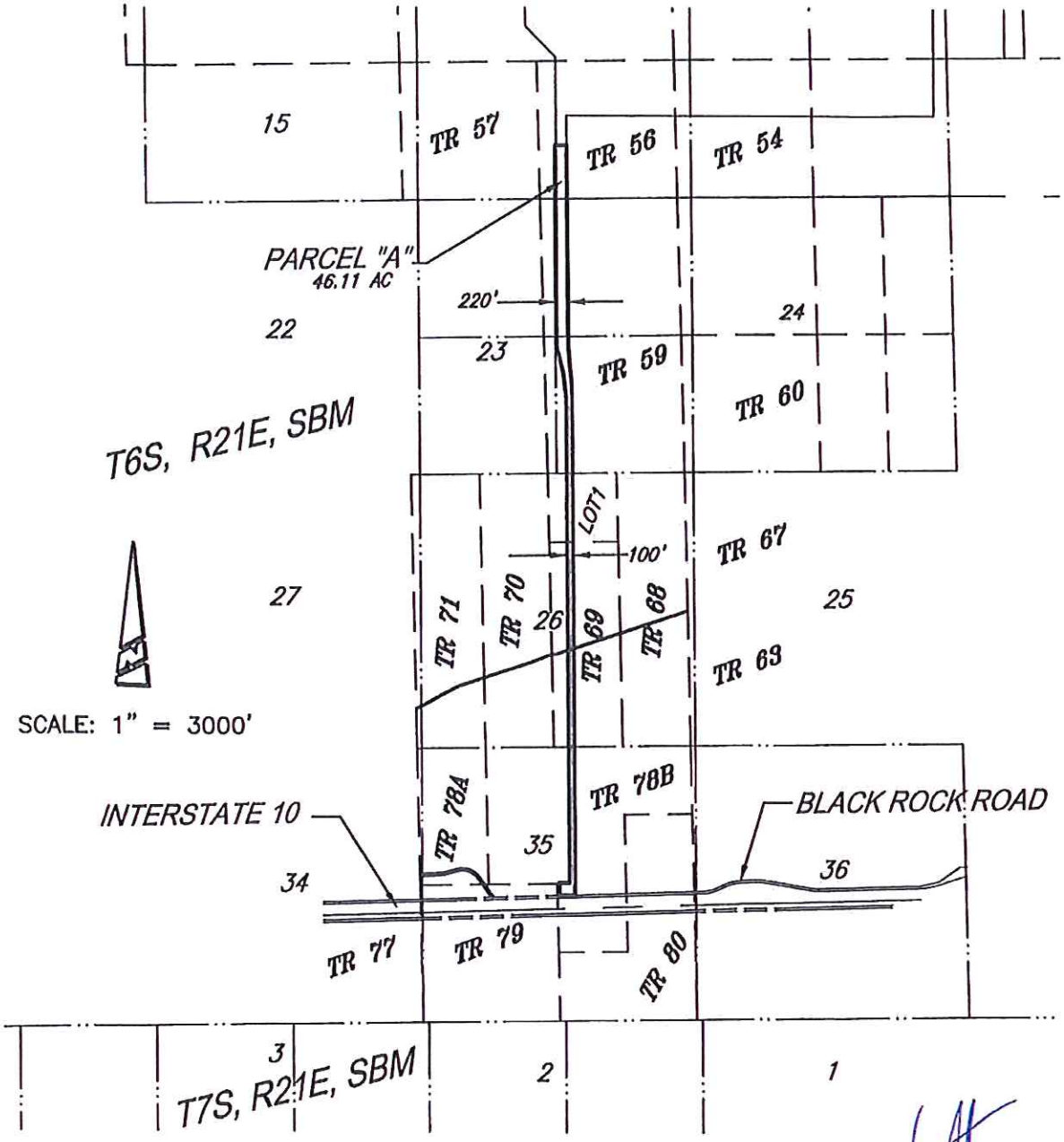

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EXHIBIT "A"
AMENDED BSPP RIGHT OF WAY
LEGAL DESCRIPTION

BEING PORTIONS OF SECTION 4, SECTION 9, TRACT 37 THROUGH TRACT 43, INCLUSIVE, TRACT 45, TRACT 46, TRACT 47 AND TRACT 49 THROUGH TRACT 56, INCLUSIVE, TOWNSHIP 6 SOUTH, RANGE 21 EAST, SBM; SECTION 6, SECTION 7 AND SECTION 18, TOWNSHIP 6 SOUTH, RANGE 22 EAST, SBM, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF SAID TRACT 38, SAID CORNER BEING 1" IRON PIPE WITH 2 1/2" GENERAL LAND OFFICE BRASS TAG PER GOVERNMENT SURVEY FIELD NOTES AS FILED IN BOOK 452-6, PAGE 3, RECORDS OF BUREAU LAND MANAGEMENT;

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THENCE SOUTH 00°39'28" EAST 1554.72 FEET;

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EXHIBIT "A"
AMENDED BSPP RIGHT OF WAY
LEGAL DESCRIPTION

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THENCE NORTH 01°47'45" WEST 1950.49 FEET;

THENCE NORTH 01°46'54" WEST 3591.56 FEET;

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THENCE NORTH 00°49'12" WEST 485.80 FEET ALONG THE EAST LINE OF THE NORTHWEST QUARTER OF SAID SECTION 9 TO THE NORTH QUARTER CORNER THEREOF;

THENCE NORTH 00°57'01" WEST 5223.58 FEET ALONG THE EAST LINE OF THE WEST HALF OF SAID SECTION 4;

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EXCEPTING THEREFROM TRACT 48, TOWNSHIP 6 SOUTH, RANGE 21 EAST, SBM.

DESCRIBED PARCEL CONTAINS 4431.35 ACRES, MORE OR LESS.

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Prepared under the supervision of:

Robert K. Holt Date: 02/28/13

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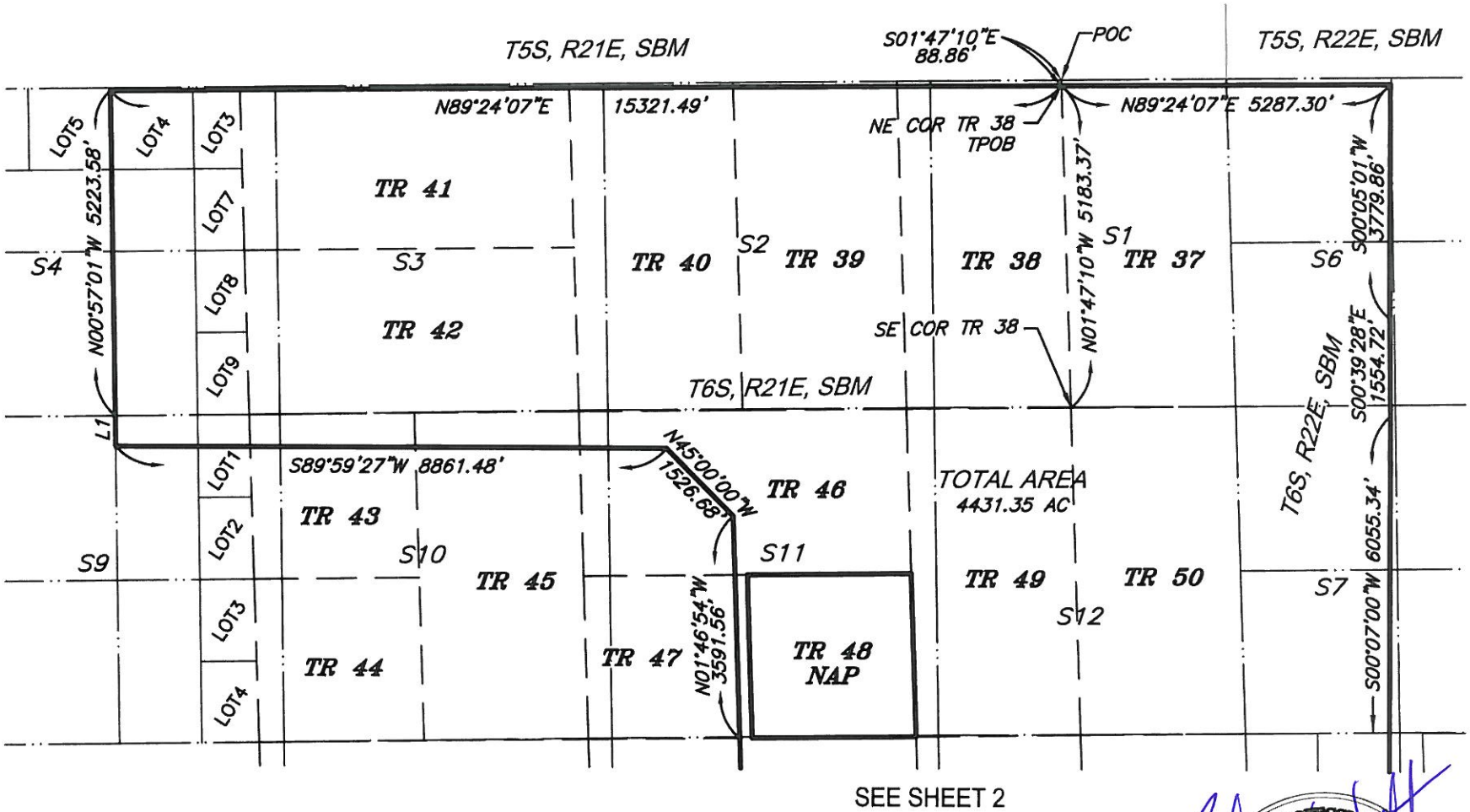
EXHIBIT "B"

AMENDED BSPP RIGHT OF WAY



SEE SHEET 2

SCALE: 1" = 2500'

LINE DATA

NO.	BEARING	DISTANCE
L1	N00°49'12"W	485.80'

REGISTERED PROFESSIONAL ENGINEER
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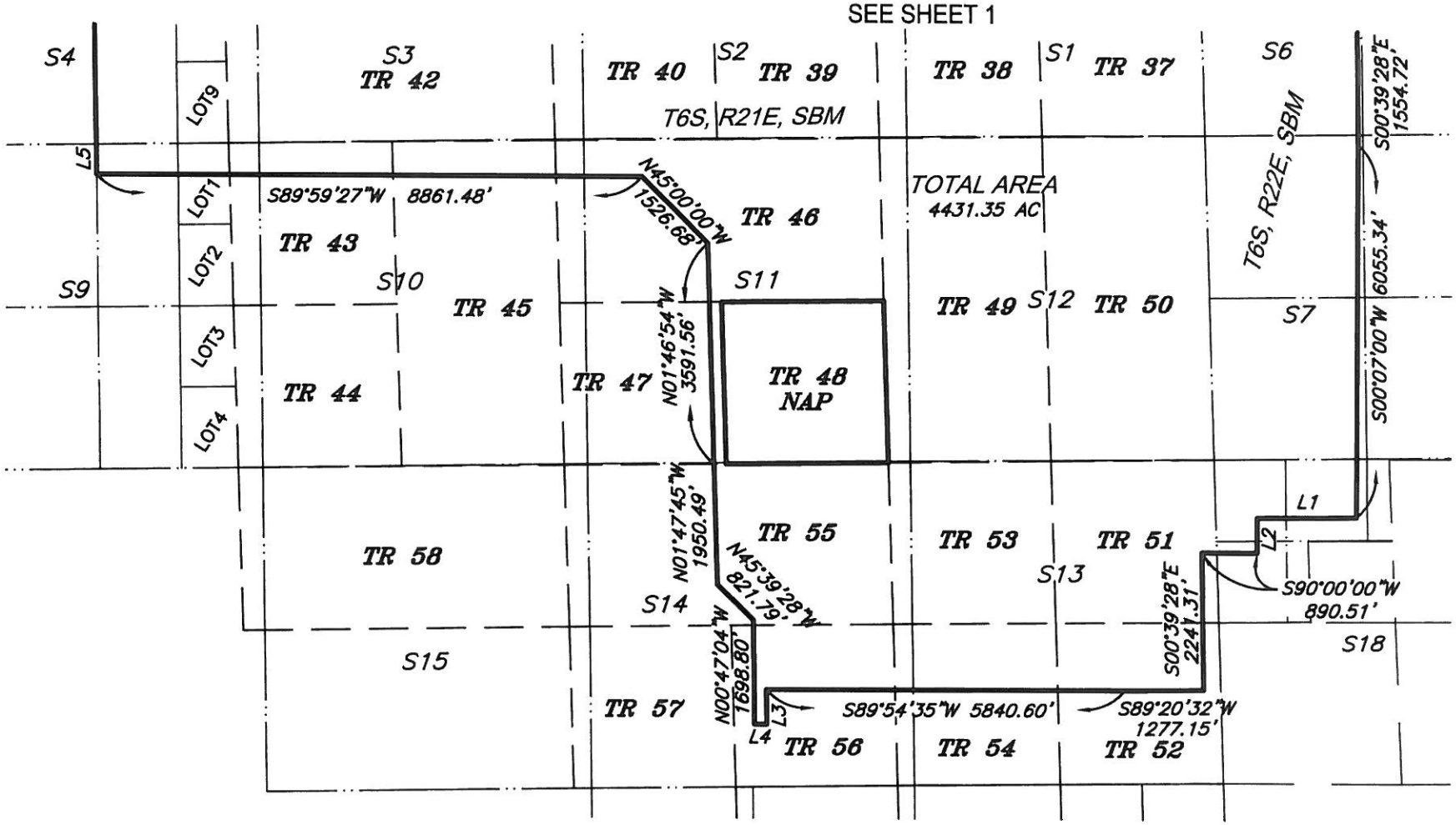
EXHIBIT "B"

AMENDED BSPP RIGHT OF WAY

SHEET 2 OF 2



LINE DATA

NO.	BEARING	DISTANCE
L1	S89°20'32"W	1614.80'
L2	S00°00'00"W	568.85'
L3	S00°47'04"E	572.06'
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L5	N00°49'12"W	485.80'

SCALE: 1" = 2500'

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THG NO. 632.073

DATE: 02/28/2013 BY: TJH

EXHIBIT B6

EXHIBIT "A"
DISTRIBUTION POWER
LEGAL DESCRIPTION

BEING PORTIONS OF THE SOUTHEAST QUARTER AND THE EAST HALF OF THE SOUTHWEST QUARTER OF SECTION 7; LOT 6, SECTION 8; LOT 1, SECTION 17; LOT 1 AND LOT 2, SECTION 18, TOWNSHIP 6 SOUTH, RANGE 22 EAST, SBM, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, ACCORDING TO THE OFFICIAL PLAT APPROVED OCTOBER 19, 2010, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

A STRIP OF LAND 45.00 FEET WIDE, BEING 45.00 FEET NORTH OF THE FOLLOWING DESCRIBED LINE:

BEGINNING AT ANGLE POINT NO. 1 OF SAID SECTION 17, SAID POINT BEING THE SOUTHEAST CORNER OF SAID LOT 1, SAID POINT ALSO BEING 1" IRON PIPE STAMPED "LS 4230", AS DESCRIBED IN FIELD NOTES VOLUME R 621, PAGE 60, RECORDS OF BUREAU LAND MANAGEMENT;

THENCE SOUTH 89°31'24" WEST 2722.75 FEET ALONG THE SOUTH LINE OF LOT 1 OF SAID SECTION 17, LOT 1 AND LOT 2 OF SAID SECTION 18 TO ANGLE POINT NO. 4 OF SAID SECTION 18, SAID POINT ALSO BEING 1" IRON PIPE STAMPED "LS 4230", AS DESCRIBED IN FIELD NOTES VOLUME R 621, PAGE 60, RECORDS OF BUREAU LAND MANAGEMENT;

THENCE CONTINUING SOUTH 89°31'24" WEST 528.39 FEET TO THE EASTERLY BOUNDARY LINE OF AMENDED BLYTHE SOLAR POWER PROJECT, ALSO BEING THE **POINT OF TERMINUS**.

THE SIDELINES OF SAID STRIP SHALL BE SHORTENED OR LENGTHENED AS TO TERMINATE ON THE WEST LINE OF SAID EASTERLY BOUNDARY LINE OF AMENDED BLYTHE SOLAR POWER PROJECT AND THE EAST LINE OF LOT 1 OF SAID SECTION 17 AND LOT 6 OF SAID SECTION 8.

DESCRIBED PARCEL CONTAINS 3.36 ACRES, MORE OR LESS.

FOR GRAPHICAL PURPOSES SEE EXHIBIT "B" ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

Prepared under the supervision of:

Date: 03/25/13

Robert K Holt, RCE 27943
Expires 3/31/2014
The Holt Group, Inc
201 E Hobsonway
Blythe, CA 92225
(760) 922-4658

REGISTERED PROFESSIONAL ENGINEER
ROBERT K. HOLT
No. 27943
Exp. 3-31-14
CIVIL
STATE OF CALIFORNIA

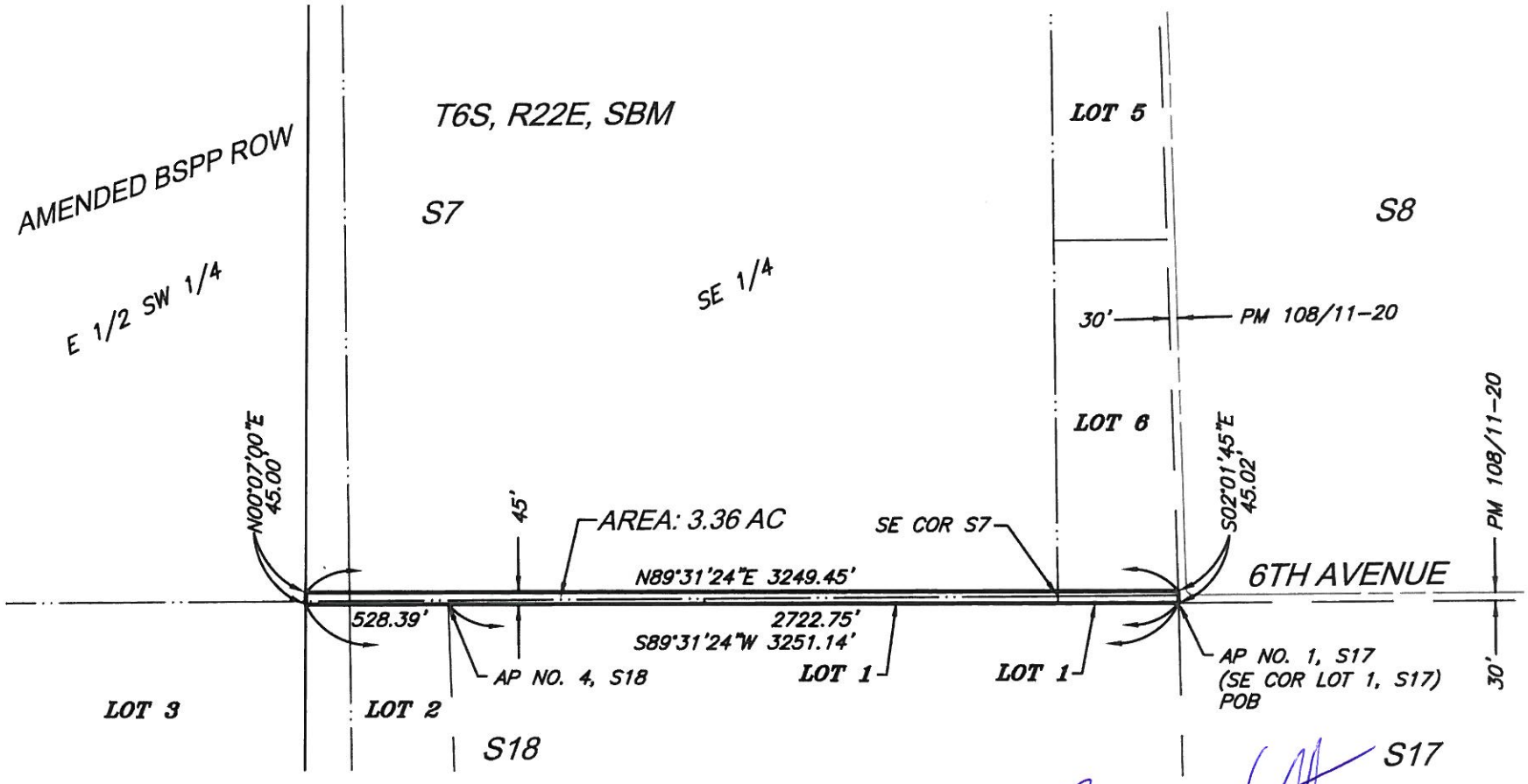
03/25/13

C:\BLYTHE\632.073\SURVEY\ACAD\632.073B Distribution Power Legal.doc

EXHIBIT "B"

DISTRIBUTION POWER

SHEET 1 OF 1



SCALE: 1" = 600'

REGISTERED PROFESSIONAL ENGINEER
ROBERT K. HOLT
No. 27943
Exp. 3-31-14
CIVIL
STATE OF CALIFORNIA

05/25/13

The Holt Group, Inc.
ENGINEERING PLANNING SURVEYING

201 E. Hobsonway, Blythe, CA. 92225
Phone: (760) 922-4658 Fax: (760) 922-4660

1601 N. Imperial Ave., El Centro, CA. 92243
Phone: (760) 337-3883 Fax: (760) 337-5997

THG NO. 632.073B

DATE: 03/25/2013 BY: TJH

APPENDIX B GRADING AND DRAINAGE PLAN

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PRELIMINARY CIVIL CONSTRUCTION PLANS

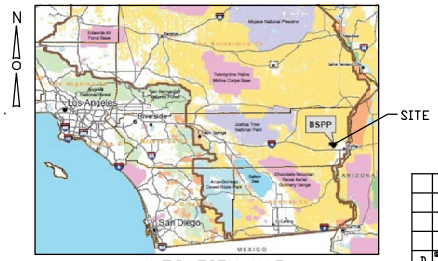
FOR BLYTHE SOLAR POWER PROJECT BSPP
RIVERSIDE COUNTY, CA

FOR

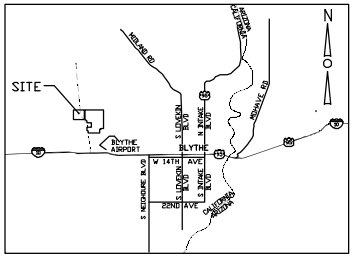
AMENDMENT TO BUREAU OF LAND MANAGEMENT
BLM LAND USE APPLICATION FILE #CACA-048811

ACCESS ROADS, DRAINAGE AND EROSION CONTROL

REGIONAL MAP
NOT TO SCALE



LOCATION MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

SHEET INDEX

SHEET No.	DRAWING No.	TITLE
1	BSPP-1-DW-112-000-001	COVER SHEET
2	BSPP-1-DW-112-101-001	SITE BOUNDARY
3	BSPP-1-DW-112-101-002	KEY MAP
4	BSPP-1-DW-112-735-000	CONSTRUCTION AND GENERAL NOTES
5	BSPP-1-DW-112-735-001	PRELIMINARY GRADING PLAN I
6	BSPP-1-DW-112-735-002	PRELIMINARY GRADING PLAN II
7	BSPP-1-DW-112-735-003	PRELIMINARY GRADING PLAN III
8	BSPP-1-DW-112-735-004	TYPICAL GRADING SECTIONS AND DETAILS
9	BSPP-1-DW-112-735-005	FENCE AND LIGHT DETAILS
10	BSPP-1-DW-112-735-006	TORTOISE GUARD DETAIL
11	BSPP-1-DW-112-735-007	WASH CROSSING DETAIL
12	BSPP-1-DW-112-717-001	EROSION CONTROL PLAN
13	BSPP-1-DW-112-717-002	EROSION CONTROL NOTES

REV	DATE	DESCRIPTION	DRAWN	CHECKED	LEAD DESIGNER	TECH SPEC	PROJECT ENGINEER	PROJECT MANAGER
B	02 21 13	ISSUED FOR PERMITTING	AP	JB	AP	JB	JB	RH	AZ
A	12 20 12	ISSUED FOR PERMITTING	AP	JB	AP	JB	JB	RH	AZ

PRELIMINARY STATUS — DATE — LDE
REPRESENTS GENERAL DESIGN CONCEPTS BASED ON ASSUMPTIONS. REVIEWED NOT CHECKED.

APPROVED STATUS — DATE — LDE
REPRESENTS REVIEWED AND APPROVED DESIGN. ANY PORTION MARKED "HOLD" RETAINS PRELIMINARY STATUS.

ORIGINATING PERSONNEL
DRAWN BY: A. PRATT
CHECKED BY: J. BRAVO
LEAD DESIGNER: A. PRATT
ENGINEER/TECH SPECIALIST: J. BRAVO
PROJECT ENGINEERING MANAGER: R. HILL
PROJECT MANAGER: A. ZIMMERMAN

PROFESSIONAL ENGINEER'S SEAL

Zero Harm — Leadership. No Incidents. Safe Behavior.

ORIGINALLY PREPARED UNDER THE RESPONSIBLE SUPERVISION OF
PE: ____ STATE: ____
LIC. NO: ____ DATE: ____

APPLICANT:
NEXTERA BLYTHE SOLAR ENERGY CENTER, LLC
700 UNIVERSE BOULEVARD
JUNO BEACH, FL 33408

LANDOWNER:
BUREAU OF LAND MANAGEMENT
PALM SPRINGS/SOUTH COAST FIELD OFFICE
1201 BIRD CENTER DRIVE
PALM SPRINGS, CA 92262

PROJECT OWNER:
NEXTERA ENERGY RESOURCES, LLC
700 UNIVERSE BOULEVARD
JUNO BEACH, FL 33408

ENGINEER:
WORLEYPARSONS
2330 E. BIDWELL ST. SUITE 150
FOLSOM, CA 95630
916-817-3920

WorleyParsons resources & energy

CLIENT/PROJECT TITLE
NEXTERA BLYTHE SOLAR ENERGY CENTER, LLC
BLYTHE SOLAR POWER PROJECT BSPP
RIVERSIDE COUNTY, CA

COVER SHEET

SCALE: NOT TO SCALE
DRAWING SIZE: ARCH D (36" x 24")
WORLEYPARSONS DWG. NO.: BSPP-1-DW-112-000-001
SHEET NO.: 1
REV: B

CONCEPTUAL ENGINEERING PLANS

NOT FOR CONSTRUCTION
FOR PERMITTING ONLY

DL_BSPP-1-DW-112-000-001_Cover Sheet.dwg
07-Feb-2013 - 10:46

LEGEND:

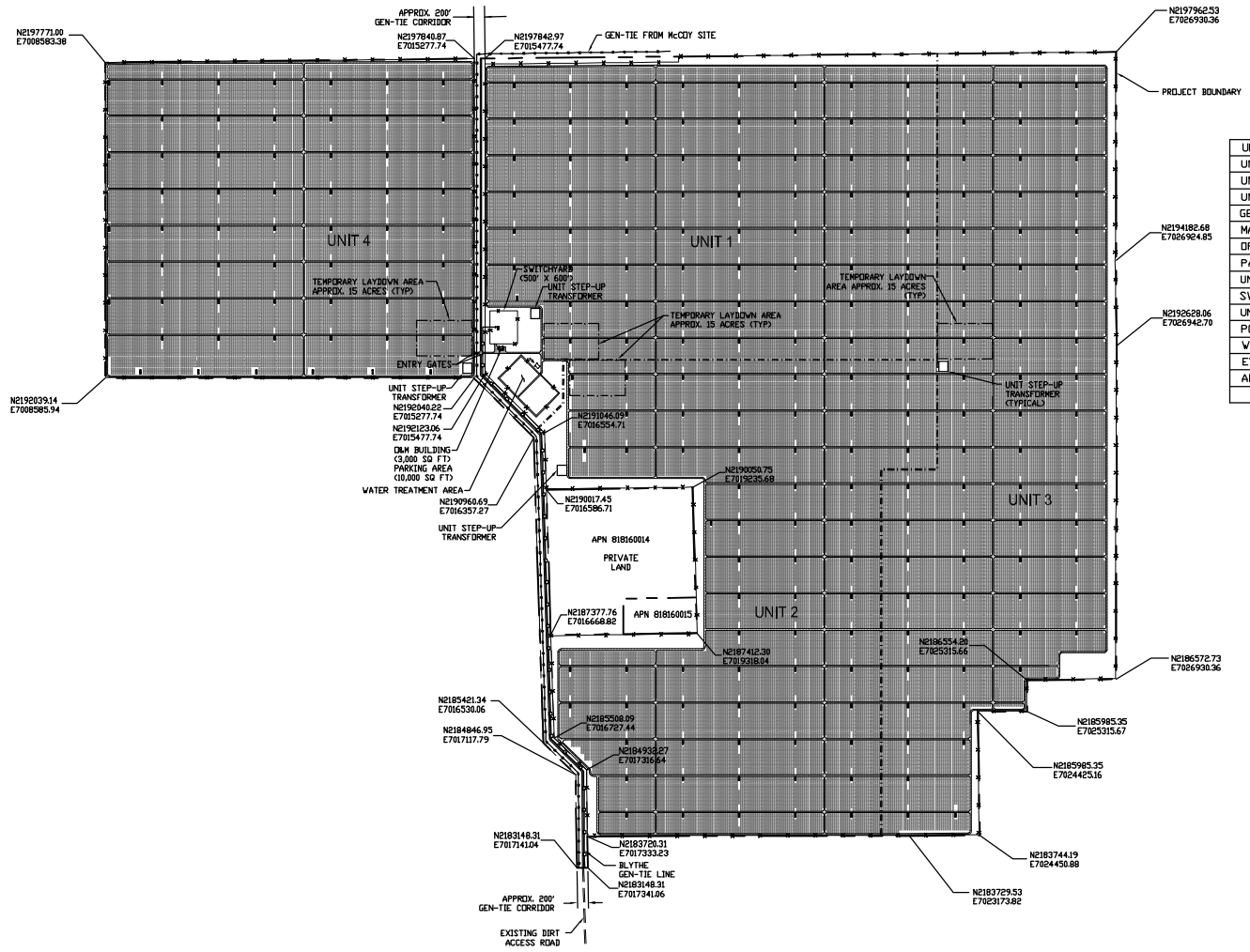
- EASEMENT
- 230 KV DOUBLE CIRCUIT (BLYTHE GEN-TIE)
- PROPOSED FENCE
- PROJECT BOUNDARY
- 500 EXISTING CONTOUR
- 230 KV DOUBLE CIRCUIT (McCOY GEN-TIE)
- INVERTER AND TRANSFORMER PADS
- PROPOSED SINGLE AXIS TRACKER WITH PANELS
- PROPOSED GRAVEL ROAD
- PROPOSED PAVED ROAD
- UNIT BOUNDARY

NOTE:

BASIS OF BEARINGS
THE BASIS OF BEARINGS FOR THE SURVEY IS THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE 6, BASED ON LOCAL CONTROL STATIONS BETWEEN NATIONAL GEODETIC SURVEY (NGS) GPS OBSERVATION MONUMENTS "HPGN CA 11 15", "E 1363" AND "FLY" NAD 1983 (NSRS 2007.00) AS PER THE NATIONAL GEODETIC SURVEY (NGS) PUBLISHED DATA SHEET BEING "N89°08'26"E" AND "N87°24'10"E".

CONVERGENCE ANGLE & FACTOR
CONVERGENCE ANGLE AT NE COR SECTION 15: +00°49'03.46"
COMBINED FACTOR AT NE COR SECTION 15: 0.99995058

DATUM STATEMENT
UNLESS OTHERWISE NOTED, ALL MEASUREMENTS SHOWN ON THIS MAP ARE GROUND DISTANCES, GRID DISTANCES MAY BE OBTAINED BY MULTIPLYING THE COMBINED SCALE FACTOR 0.99995058
THE COMBINED FACTOR IS COMPUTED AT THE NE COR SECTION 15, T6S, R21E, SBM, ELEVATION 414'



PLAN

1,000 0 1,000 2,000 3,000

SCALE: 1" = 1,000'

ACREAGE USAGE

UNIT 1	990.5 AC
UNIT 2	994.5 AC
UNIT 3	992.8 AC
UNIT 4	883.9 AC
GEN-TIE CORRIDOR/EASEMENT (INCLUDES MAIN ACCESS ROAD)	100.8 AC
MAIN ACCESS ROAD (24' WIDE)	8.6 AC
OFFICE/MAINTENANCE BLDG	3000 SQ FT
PAVED ROAD (24' WIDE)	0.9 AC
UNPAVED ROAD (16' AND 24' WIDE)	197.9 AC
SWITCHYARD	6.9 AC
UNIT STEP-UP TRANSFORMERS	2.8 AC
PCS AREAS	13.9 AC
WATER TREATMENT AREA	0.1 AC
EVAPORATION PONDS	13.7 AC
AREA IN AND AROUND SOLAR FIELDS REMAINING UNGRADED	93.7 AC
	4301.07 ACRES TOTAL

REV	DATE	DESCRIPTION	DRAWN	CHECKED	LEAD DESIGNER	ENGINEER/ TECH SPEC	PROJECT ENGINEER	PROJECT MANAGER
B	12/27/21	ISSUED FOR PERMITTING	AP	JB	AP	JB	JB	RH	AZ
A	12/20/21	ISSUED FOR PERMITTING	AP	JB	AP	JB	JB	RH	AZ

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PROJECT MANAGER: A. ZIMMERMAN

PROFESSIONAL ENGINEER'S SEAL
ORIGINALLY PREPARED UNDER THE RESPONSIBLE SUPERVISION OF
PE: STATE:
L.E. NO: DATE:

Zero Harm — Leadership No Incidents Safe Behavior

WorleyParsons resources & energy

CLIENT/PROJECT TITLE
NEXTERA BLYTHE SOLAR ENERGY CENTER, LLC
BLYTHE SOLAR POWER PROJECT BSPP
RIVERSIDE COUNTY, CA

SITE BOUNDARY

SCALE: 1" = 1000'
DRAWING SIZE: ARCH D (36" x 24")
WORLEYPARSONS DWG. NO.: BSPP-1-DW-112-101-001
SHEET NO.: 2
REV: B

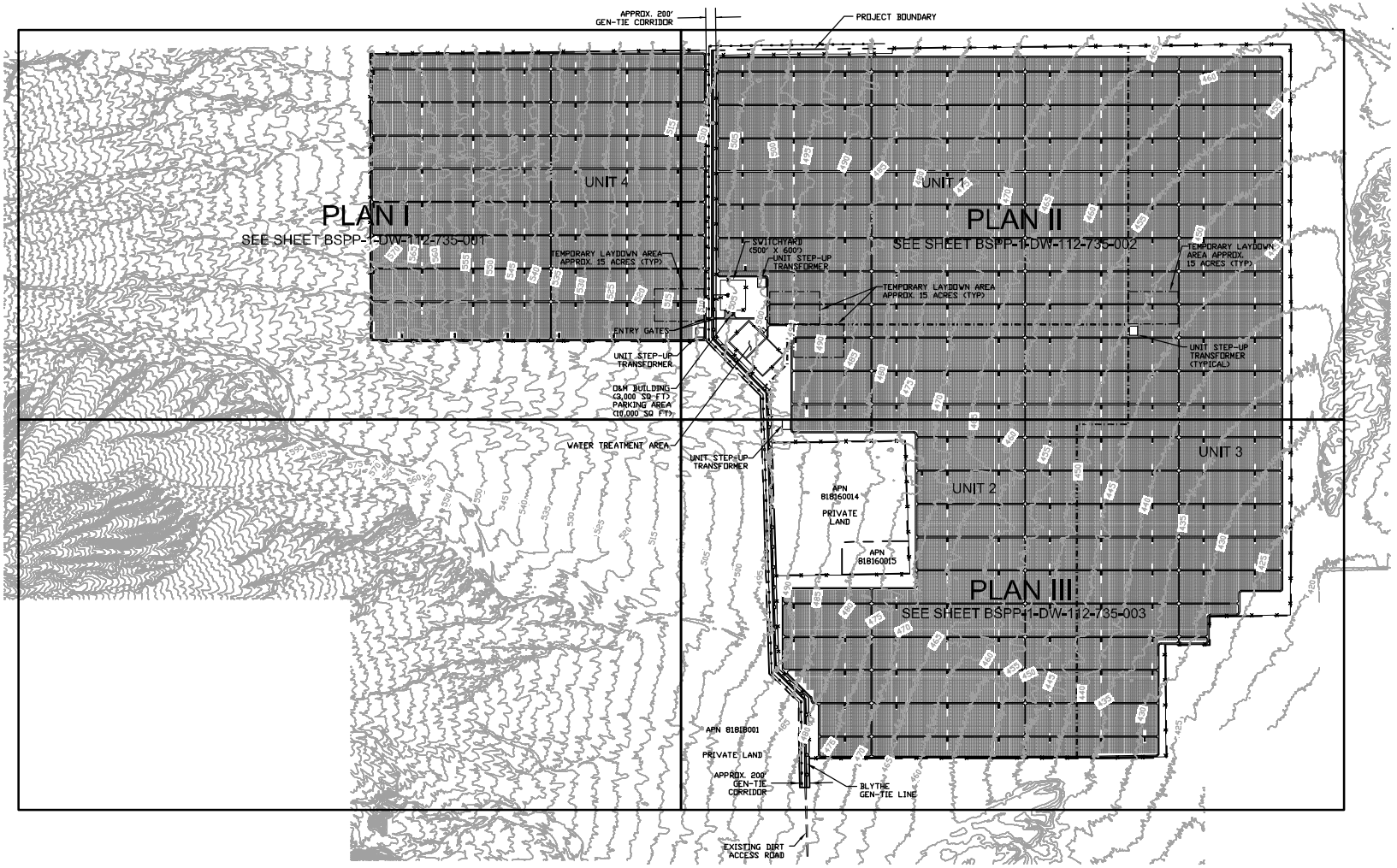
CONCEPTUAL ENGINEERING PLANS

NOT FOR CONSTRUCTION FOR PERMITTING ONLY

BSPP-1-DW-112-101-001_Site Boundary Plan.dwg
28-Feb-2022 - 09:43

LEGEND:

- EASEMENT
- 230 KV DOUBLE CIRCUIT (BLYTHE GEN-TIE)
- PROPOSED FENCE
- PROJECT BOUNDARY
- 500 EXISTING CONTOUR
- 230 KV DOUBLE CIRCUIT (McCOY GEN-TIE)
- INVERTER AND TRANSFORMER PADS
- PROPOSED SINGLE AXIS TRACKER WITH PANELS
- PROPOSED GRAVEL ROAD
- PROPOSED PAVED ROAD
- UNIT BOUNDARY



KEY PLAN

1,000 0 1,000 2,000 3,000

SCALE: 1" = 1,000'

CONCEPTUAL ENGINEERING PLANS

NOT FOR CONSTRUCTION FOR PERMITTING ONLY

REV	DATE	DESCRIPTION	DRAWN	CHECKED	LEAD DESIGNER	ENGINEER/TECH SPEC	PROJECT ENGINEER	PROJECT MANAGER
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A	12/20/12	ISSUED FOR PERMITTING	AP	JB	AP	JB	JB	RH	AZ

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PROFESSIONAL ENGINEER'S SEAL

ORIGINALLY PREPARED UNDER THE RESPONSIBLE SUPERVISION OF
PE: STATE:
L.E. NO: DATE:

Zero Harm — Leadership No Incidents Safe Behavior

WorleyParsons resources & energy

CLIENT/PROJECT TITLE

NEXTERA BLYTHE SOLAR ENERGY CENTER, LLC
BLYTHE SOLAR POWER PROJECT BSPP
RIVERSIDE COUNTY, CA

KEY MAP

SCALE: 1" = 1000'
DRAWING SIZE: ARCH D (36" x 24")
WORLEYPARSONS DWG. NO.: BSPP-1-DW-112-101-002
SHEET NO.: 3
REV: B

03_BSPP-1-DW-112-101-002_Key Plan.dwg
27-Feb-2013 - 2:42

DEPARTMENT OF BUILDING AND SAFETY COUNTY OF RIVERSIDE GRADING NOTES (2010 CBC)

GENERAL

1. ALL GRADING SHALL CONFORM TO THE 2010 CALIFORNIA BUILDING CODE CHAPTERS 17, 18 & APPENDIX CHAPTER- J AS AMENDED BY ORD. 457.
2. ALL PROPERTY CORNERS SHALL BE CLEARLY DELINEATED IN THE FIELD PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION/GRADING.
3. ALL WORK UNDER THIS GRADING PERMIT SHALL BE LIMITED TO WORK WITHIN THE PROPERTY LINES. ALL WORK WITHIN THE ROAD RIGHT-OF- WAY WILL REQUIRE SEPARATE PLANS AND A SEPARATE REVIEW/APPROVAL (PERMIT) FROM THE TRANSPORTATION DEPARTMENT.
4. GRADING SHALL BE DONE UNDER THE SUPERVISION OF A SOILS ENGINEER IN CONFORMANCE WITH RECOMMENDATIONS OF THE PRELIMINARY SOILS INVESTIGATION BY KLEINFELDER DATED SEPTEMBER 23, 2009.
5. COMPACTED FILL TO SUPPORT ANY STRUCTURES SHALL COMPLY WITH SECTION 1803.5. PROJECTS WITHOUT PRELIMINARY SOILS REPORT SHALL HAVE DETAILED SPECIFICATIONS SATISFYING THE REQUIREMENTS IN SECTION 1803.5 PREPARED BY THE EOR.
6. THE CONTRACTOR SHALL NOTIFY THE BUILDING AND SAFETY DEPARTMENT AT LEAST 24 HOURS IN ADVANCE TO REQUEST FINISH LOT GRADE AND DRAINAGE INSPECTION. THIS INSPECTION MUST BE APPROVED PRIOR TO BUILDING PERMIT FINAL INSPECTION FOR EACH LOT.
7. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT, TWO DAYS BEFORE DIGGING AT 1-800-422-4133.

CUT / FILL

8. MAXIMUM CUT AND FILL SLOPE = 2:1.
9. NO FILL SHALL BE PLACED ON EXISTING GROUND UNTIL THE GROUND HAS BEEN CLEARED OF WEEDS, DEBRIS, TOPSOIL AND OTHER DELETERIOUS MATERIAL. FILLS SHOULD BE PLACED IN THIN LIFTS (8-INCH MAX OR AS RECOMMENDED IN SOILS REPORT), COMPACTED AND TESTED AS GRADING PROCESS UNTIL FINAL GRADES ARE ATTAINED. ALL FILLS ON SLOPES STEEPER THAN 5 TO 1 (H/V) AND A HEIGHT GREATER THAN 5 FEET SHALL BE KEYED AND BENCHED INTO FIRM NATURAL SOIL FOR FULL SUPPORT. THE BENCH UNDER THE TOE MUST BE 10 FEET WIDE MIN.
10. THE SLOPE STABILITY FOR CUT AND FILL SLOPES OVER 30' IN VERTICAL HEIGHT, OR SLOPES STEEPER THAN 2:1 MUST BE VERIFIED WITH A FACTOR OF SAFETY OF AT LEAST 1.5.
11. NO ROCK OR SIMILAR IRREDUCIBLE MATERIAL WITH A MAXIMUM DIMENSION GREATER THAN 12 INCHES SHALL BE BURIED OR PLACED IN FILLS CLOSER THAN 10 FEET TO THE FINISHED GRADE.

DRAINAGE AND EROSION/ DUST CONTROL

12. DRAINAGE ACROSS THE PROPERTY LINE SHALL NOT EXCEED THAT WHICH EXISTED PRIOR TO GRADING. EXCESS OR CONCENTRATED DRAINAGE SHALL BE CONTAINED ON SITE OR DIRECTED TO AN APPROVED DRAINAGE FACILITY.
13. PROVIDE A SLOPE INTERCEPTOR DRAIN ALONG THE TOP OF CUT SLOPES WHERE THE DRAINAGE PATH IS GREATER THAN 40 FEET TOWARDS THE CUT SLOPE.
14. PROVIDE 5 ' WIDE BY 1' HIGH BERM ALONG THE TOP OF ALL FILL SLOPES STEEPER THAN 3:1.
15. THE GROUND IMMEDIATELY ADJACENT TO THE BUILDING FOUNDATION SHALL BE SLOPED AWAY WITH 5% MIN FOR A MIN DISTANCE OF 10 HORIZONTAL FEET. SWALES WITHIN 10 FEET FROM BUILDING SHALL HAVE 2% MINIMUM SLOPE.
16. NO OBSTRUCTION OF NATURAL WATER COURSES SHALL BE PERMITTED.
17. DURING ROUGH GRADING OPERATIONS AND PRIOR TO CONSTRUCTION OF PERMANENT DRAINAGE STRUCTURES, TEMPORARY DRAINAGE CONTROL (BEST MANAGEMENT PRACTICES, BMPS) SHALL BE PROVIDED TO PREVENT PONDING WATER AND DAMAGE TO ADJACENT PROPERTIES.
18. DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS.
19. ALL EXISTING DRAINAGE COURSES ON THE PROJECT SITE MUST CONTINUE TO FUNCTION. PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS MUST BE USED TO PROTECT ADJOINING PROPERTIES DURING GRADING OPERATIONS.
20. FOR SLOPES 3 TO 1 (H/V) OR STEEPER:
    ALL SLOPES EQUAL TO OR GREATER THAN 3 ' IN VERTICAL HEIGHT, ARE REQUIRED TO BE PLANTED WITH GRASS OR ROSEA ICE PLANT (OR EQUAL) GROUND COVER AT A MAXIMUM SPACING OF 12" ON CENTER. SLOPES EXCEEDING 15 ' IN VERTICAL HEIGHT SHALL BE PLANTED WITH APPROVED SHRUBS NOT TO EXCEED 10' ON CENTER, OR TREES SPACED NOT TO EXCEED 20 ' ON CENTER OR SHRUBS NOT TO EXCEED 10 ', OR A COMBINATION OF SHRUBS AND TREES NOT TO EXCEED 15 ' IN ADDITION TO THE GRASS OR GROUND COVER. SLOPES THAT REQUIRE PLANTING SHALL BE PROVIDED WITH AN IN-GROUND IRRIGATION SYSTEM EQUIPPED WITH AN APPROPRIATE BACKFLOW DEVICE PER U.P.C., CHAPTER 10. THE SLOPE PLANTING AND IRRIGATION SYSTEM SHALL BE INSTALLED PRIOR TO PRECISE GRADING FINAL.

COMPLETION OF WORK

21. A REGISTERED CIVIL ENGINEER SHALL PREPARE FINAL COMPACTION REPORT/ GRADING REPORT AND IT SHALL BE SUBMITTED FOR REVIEW AND APPROVAL. THE REPORT SHALL ALSO PROVIDE BUILDING FOUNDATION DESIGN PARAMETERS INCLUDING ALLOWABLE SOIL PRESSURES, EXPANSION INDEX AND REMEDIAL MEASURES IF EI > 20, WATER SOLUBLE SULFATE CONTENT, CORROSIVITY AND REMEDIAL MEASURES IF NECESSARY.
22. EXCEPT FOR NON-TRACT SINGLE RESIDENTIAL LOT GRADING, THE COMPACTION REPORT SHALL INCLUDE THE SPECIAL INSPECTION VERIFICATIONS LISTED IN TABLE 1704.7 OF 2010 CBC.
23. A REGISTERED CIVIL ENGINEER SHALL SUBMIT TO THE BUILDING AND SAFETY DEPARTMENT WRITTEN CERTIFICATION OF COMPLETION OF GRADING IN ACCORDANCE WITH THE APPROVED GRADING PLAN PRIOR TO REQUESTING INSPECTION AND ISSUANCE OF THE BUILDING PERMIT. CERTIFICATION SHALL INCLUDE LINE GRADE, SURFACE DRAINAGE, ELEVATION, AND LOCATION OF PERMITTED GRADING ON THE LOT.

NPDES: WHEN ONE ACRE OR MORE IS BEING DISTURBED:

1. CONSTRUCTION SITE BEST MANAGEMENT PRACTICES (BMPS) FOR THE MANAGEMENT OF STORM WATER AND NON-STORM WATER DISCHARGES SHALL BE DOCUMENTED ON THE GRADING PLAN WHICH THEREBY BECOMES THE SITE STORM WATER POLLUTION PREVENTION PLAN (SWPPP). ARRANGEMENTS SHALL BE MADE BY THE DEVELOPER TO RETAIN THE SWPPP ON THE JOBSITE THROUGHOUT THE TIME OF CONSTRUCTION. THE IMPLEMENTATION AND MAINTENANCE OF SITE BMPS IS REQUIRED TO MINIMIZE JOBSITE EROSION AND SEDIMENTATION. CERTAIN BMPS MAY BE REQUIRED TO REMAIN IN PLACE THROUGHOUT THE YEAR TO MINIMIZE EROSION AND SEDIMENTATION. ARRANGEMENTS SHALL BE MADE BY THE DEVELOPER TO MAINTAIN THOSE BMPS THROUGHOUT THE TIME OF CONSTRUCTION.
2. EROSION CONTROL BMPS SHALL BE IMPLEMENTED AND MAINTAINED TO MINIMIZE THE ENTRAINMENT OF SOIL IN RUNOFF FROM DISTURBED SOIL AREAS ON CONSTRUCTION SITES.
3. SEDIMENT CONTROL BMPS SHALL BE IMPLEMENTED AND MAINTAINED TO MINIMIZE THE TRANSPORT OF SOIL FROM THE CONSTRUCTION SITE.
4. GRADING SHALL BE PHASED TO LIMIT THE AMOUNT OF DISTURBED AREAS EXPOSED TO THE EXTENT FEASIBLE.
5. AREAS THAT ARE CLEARED AND GRADED SHALL BE LIMITED TO ONLY THE PORTION OF THE SITE THAT IS NECESSARY FOR CONSTRUCTION. THE CONSTRUCTION SITE SHALL BE MANAGED TO MINIMIZE THE EXPOSURE TIME OF DISTURBED SOIL AREAS THROUGH PHASING AND SCHEDULING OF GRADING AND THE USE OF TEMPORARY AND PERMANENT SOIL STABILIZATION.
6. ONCE DISTURBED, SLOPES (TEMPORARY OR PERMANENT) SHALL BE STABILIZED IF THEY WILL NOT BE WORKED WITHIN 21 DAYS. DURING THE STORM SEASON, ALL SLOPES SHALL BE STABILIZED PRIOR TO A PREDICTED STORM EVENT. CONSTRUCTION SITES SHALL BE RE-VEGETATED AS EARLY AS FEASIBLE AFTER SOIL DISTURBANCE.
7. STOCKPILES OF SOIL SHALL BE PROPERLY CONTAINED TO ELIMINATE OR REDUCE SEDIMENT TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES OR ADJACENT PROPERTIES VIA RUNOFF, VEHICLE TRACKING, OR WIND.
8. CONSTRUCTION SITES SHALL BE MAINTAINED IN SUCH A CONDITION THAT A STORM DOES NOT CARRY WASTES OR POLLUTANTS OFF THE SITE.
   DISCHARGES OTHER THAN STORM WATER (NON-STORM WATER DISCHARGES) ARE PROHIBITED, EXCEPT AS AUTHORIZED BY AN INDIVIDUAL NPDES PERMIT, THE STATEWIDE GENERAL PERMIT-CONSTRUCTION ACTIVITY. POTENTIAL POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO: SOLID OR LIQUID CHEMICAL SPILLS; WASTES FROM PAINTS, STAINS, SEALANTS, SOLVENTS, DETERGENTS, GLUES, LIME, PESTICIDES, HERBICIDES, FERTILIZERS, WOOD PRESERVATIVES, AND ASBESTOS FIBERS, PAINT FLAKES OR STUCCO FRAGMENTS; FUELS, OILS LUBRICANTS, AND
   HYDRAULIC, RADIATOR OR BATTERY FLUIDS; CONCRETE AND RELATED CUTTING OR CURING RESIDUES; FLOATABLE WASTES; WASTES FROM ENGINE/EQUIPMENT STEAM CLEANING OR CHEMICAL DEGREASING; WASTES FROM STREET CLEANING; AND SUPER-CHLORINATED POTABLE WATER FROM LINE FLUSHING AND TESTING. DURING CONSTRUCTION, DISPOSAL OF SUCH MATERIALS SHOULD OCCUR IN A SPECIFIED AND CONTROLLED TEMPORARY AREA ON-SITE PHYSICALLY SEPARATED FROM POTENTIAL STORM WATER RUNOFF, WITH ULTIMATE DISPOSAL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.
9. RUNOFF FROM EQUIPMENT AND VEHICLE WASHING SHALL BE CONTAINED AT CONSTRUCTION SITE AND MUST NOT BE DISCHARGED TO RECEIVING WATERS OR THE LOCAL STORM DRAIN SYSTEM.
10. APPROPRIATE BMPS FOR CONSTRUCTION-RELATED MATERIALS, WASTES, SPILLS OR RESIDUES SHALL BE IMPLEMENTED TO ELIMINATE OR REDUCE TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES, OR ADJOINING PROPERTIES BY WIND OR RUNOFF.
11. ALL CONSTRUCTION CONTRACTORS AND SUBCONTRACTOR PERSONNEL ARE TO BE MADE AWARE OF THE REQUIRED BMPS AND GOOD HOUSEKEEPING MEASURES FOR THE PROJECT SITE AND ANY ASSOCIATED CONSTRUCTION STAGING AREAS.
12. DISCHARGING CONTAMINATED GROUNDWATER PRODUCED BY DEWATERING GROUNDWATER THAT HAS INFILTRATED INTO THE CONSTRUCTION SITE IS PROHIBITED. DISCHARGING OF CONTAMINATED SOILS VIA SURFACE EROSION IS ALSO PROHIBITED. DISCHARGING NON- CONTAMINATED GROUNDWATER PRODUCED BY DEWATERING ACTIVITIES MAY REQUIRE A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FROM THE REGIONAL WATER QUALITY CONTROL BOARD.
13. BMPS SHALL BE MAINTAINED AT ALL TIMES. IN ADDITION, BMPS SHALL BE INSPECTED PRIOR TO PREDICTED STORM EVENTS AND FOLLOWING STORM EVENTS.
14. AT THE END OF EACH DAY OF CONSTRUCTION ACTIVITY, ALL CONSTRUCTION DEBRIS AND WASTE MATERIALS SHALL BE COLLECTED AND PROPERLY DISPOSED OF IN TRASH OR RECYCLE BINS.

CONCEPTUAL
ENGINEERING PLANS

NOT FOR CONSTRUCTION
FOR PERMITTING ONLY

REV	DATE	DESCRIPTION	DRAWN	CHECKED	LEAD DESIGNER	ENGINEER/ TECH SPEC	PROJECT ENGINEER	PROJECT MANAGER
B	12/21/12	ISSUED FOR PERMITTING	AP	JB	AP	JB	JB	RH	AZ
A	12/20/12	ISSUED FOR PERMITTING	AP	JB	AP	JB	JB	RH	AZ

PRELIMINARY STATUS — DATE — REPRESENTS GENERAL DESIGN CONCEPTS BASED ON ASSUMPTIONS. REVIEWED NOT CHECKED.
LDE

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LDE

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PROJECT MANAGER: A. ZIMMERMAN

PROFESSIONAL ENGINEER'S SEAL

Zero Harm — Leadership No incidents Safe behavior

ORIGINALLY PREPARED UNDER THE RESPONSIBLE SUPERVISION OF
PE_____ STATE_____
L.E. NO._____ DATE_____

WorleyParsons resources & energy

CLIENT/PROJECT TITLE
NEXTERA BLYTHE SOLAR ENERGY CENTER, LLC
BLYTHE SOLAR POWER PROJECT BSPP
RIVERSIDE COUNTY, CA

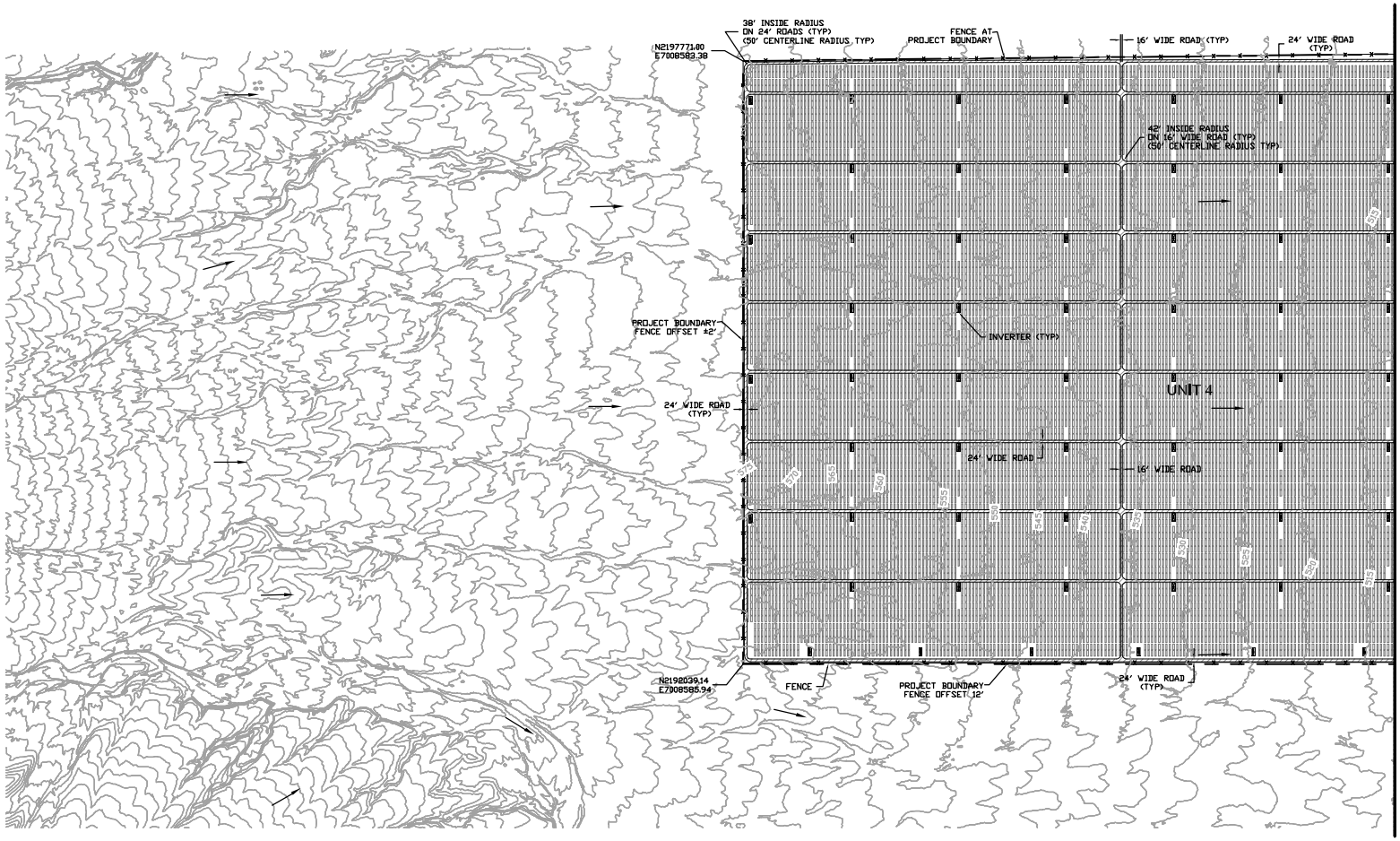
CONSTRUCTION AND GENERAL NOTES

SCALE: NOT TO SCALE
DRAWING SIZE: ARCH D (36" x 24")
WORLEYPARSONS DWG. NO.: BSPP-1-DW-112-735-000
SHEET NO.: 4
REV: B

B:_BSPP-1-DW-112-735-000_Const and Gen Notes.dwg
27-Feb-2013 2:00

LEGEND:

- EASEMENT
- 500 EXISTING CONTOUR MAJOR
- PROJECT BOUNDARY
- DRAINAGE FLOW DIRECTION
- PROPOSED FENCE
- UNIT BOUNDARY
- 230 KV DOUBLE CIRCUIT (BLYTHE GEN-TIE)
- 230 KV DOUBLE CIRCUIT (McCOY GEN-TIE)
- INVERTER AND TRANSFORMER PADS
- PROPOSED SINGLE AXIS TRACKER WITH PANELS
- PROPOSED GRAVEL ROAD
- PROPOSED PAVED ROAD

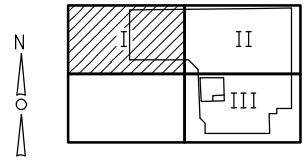


500 0 500 1,000 1,500

SCALE: 1" = 500'

CONCEPTUAL ENGINEERING PLANS

NOT FOR CONSTRUCTION FOR PERMITTING ONLY



KEY MAP

NOTES:

1. THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR DETAILED DESIGN.
2. PERIMETER ROADS, INVERTER ACCESS ROADS, AND NORTH-SOUTH MAINTENANCE ROADS ARE 24 FT WIDE (TYPICAL). ALL OTHER MAINTENANCE ROADS ARE 16 FT WIDE (TYPICAL). SEE SHEET BSPP-1-DW-112-735-004 FOR ROAD DETAILS.
3. AN 8 FT CHAIN LINK FENCE WITH THREE STRAND BARB WIRE IS PROPOSED WITHIN PROJECT BOUNDARY WITH SUFFICIENT ROOM FOR FENCE MAINTENANCE.
4. LOCATIONS OF ALL EXISTING AND PROPOSED ITEMS ARE APPROXIMATE AND WILL NEED TO BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION.
5. FOR BASIS OF BEARINGS, CONVERGENCE & FACTOR, AND DATUM STATEMENT, SEE NOTE ON SHEET BSPP-1-DW-112-101-001.

REV	DATE	DESCRIPTION	DRAWN	CHECKED	LEAD DESIGNER	ENGINEER/ TECH SPEC	PROJECT ENGINEER	PROJECT MANAGER
B	12/21/21	ISSUED FOR PERMITTING	AP	JB	AP	JB	JB	RH	AZ
A	12/20/21	ISSUED FOR PERMITTING	AP	JB	AP	JB	JB	RH	AZ

PRELIMINARY STATUS — DATE — L.DE — REPRESENTS GENERAL DESIGN CONCEPTS BASED ON ASSUMPTIONS. REVIEWED NOT CHECKED.

APPROVED STATUS — DATE — L.DE — REPRESENTS REVIEWED AND APPROVED DESIGN. ANY PORTION MARKED "HOLD" RETAINS PRELIMINARY STATUS.

ORIGINATING PERSONNEL

DRAWN BY: A. PRATT
CHECKED BY: J. BRAVO
LEAD DESIGNER: A. PRATT
ENGINEER/TECH SPECIALIST: J. BRAVO
PROJECT ENGINEERING MANAGER: R. HILL
PROJECT MANAGER: A. ZIMMERMAN

PROFESSIONAL ENGINEER'S SEAL

ORIGINALLY PREPARED UNDER THE RESPONSIBLE SUPERVISION OF PE. ____ STATE ____ L.E. NO. ____ DATE ____

Zero Harm — Leadership No Incidents Safe Behavior

WorleyParsons resources & energy

CLIENT/PROJECT TITLE

NEXTERA BLYTHE SOLAR ENERGY CENTER, LLC
BLYTHE SOLAR POWER PROJECT BSPP
RIVERSIDE COUNTY, CA

PRELIMINARY GRADING PLAN I

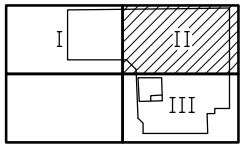
SCALE: 1" = 500' | DRAWING SIZE: ARCH D (36" x 24")

WORLEYPARSONS DWG. NO.: BSPP-1-DW-112-735-001 | SHEET NO.: 5 | REV: B

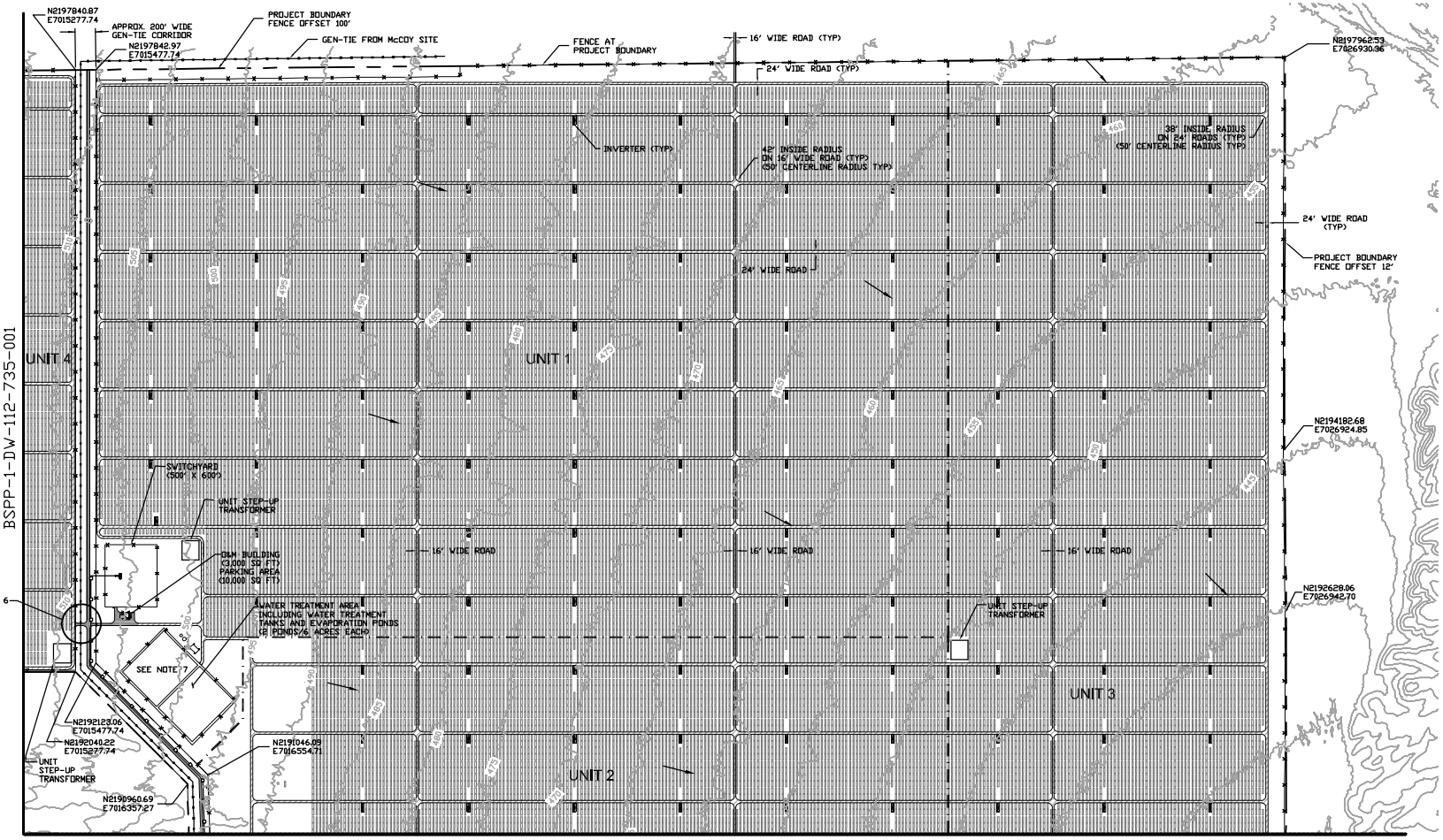
05_BSPP-1-DW-112-735-001.GRD I.dwg
27-Dec-2013 3:06

LEGEND:

- EASEMENT
- EXISTING CONTOUR MAJOR
- PROJECT BOUNDARY
- DRAINAGE FLOW DIRECTION
- PROPOSED FENCE
- UNIT BOUNDARY
- 230 KV DOUBLE CIRCUIT (BLYTHE GEN-TIE)
- 230 KV DOUBLE CIRCUIT (McCOY GEN-TIE)
- INVERTER AND TRANSFORMER PADS
- PROPOSED SINGLE AXIS TRACKER WITH PANELS
- PROPOSED GRAVEL ROAD
- PROPOSED PAVED ROAD



KEY MAP



NOTES:

1. THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR DETAILED DESIGN.
2. PERIMETER ROADS, INVERTER ACCESS ROADS, AND NORTH-SOUTH MAINTENANCE ROADS ARE 24 FT WIDE (TYPICAL). ALL OTHER MAINTENANCE ROADS ARE 16 FT WIDE (TYPICAL). SEE SHEET BSPP-1-DW-112-735-004 FOR ROAD DETAILS.
3. AN 8 FT CHAIN LINK FENCE WITH THREE STRAND BARB WIRE IS PROPOSED WITHIN PROJECT BOUNDARY WITH SUFFICIENT ROOM FOR FENCE MAINTENANCE.
4. LOCATIONS OF ALL EXISTING AND PROPOSED ITEMS ARE APPROXIMATE AND WILL NEED TO BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION.
5. FOR BASIS OF BEARINGS, CONVERGENCE & FACTOR, AND DATUM STATEMENT, SEE NOTE ON SHEET BSPP-1-DW-112-101-001.
6. SEE SITE MAIN ACCESS DETAIL ON SHEET BSPP-1-DW-112-735-004.
7. SEE EVAPORATION POND GRADING DETAIL ON SHEET BSPP-1-DW-112-735-004.

REV	DATE	DESCRIPTION	DRAWN	CHECKED	LEAD DESIGNER	ENGINEER/ TECH SPEC	PROJECT ENGINEER	PROJECT MANAGER
B	12/21/12	ISSUED FOR PERMITTING	AP	JB	AP	JB	JB	RH	AZ
A	12/20/12	ISSUED FOR PERMITTING	AP	JB	AP	JB	JB	RH	AZ

PRELIMINARY STATUS — DATE — LDE — REPRESENTS GENERAL DESIGN CONCEPTS BASED ON ASSUMPTIONS. REVIEWED NOT CHECKED.

APPROVED STATUS — DATE — LDE — REPRESENTS REVIEWED AND APPROVED DESIGN. ANY PORTION MARKED "HOLD" RETAINS PRELIMINARY STATUS.

ORIGINATING PERSONNEL

DRAWN BY: A. PRATT
CHECKED BY: J. BRAVO
LEAD DESIGNER: A. PRATT
ENGINEER/TECH SPECIALIST: J. BRAVO
PROJECT ENGINEER: R. HILL
PROJECT MANAGER: A. ZIMMERMAN

PROFESSIONAL ENGINEER'S SEAL

ORIGINALLY PREPARED UNDER THE RESPONSIBLE SUPERVISION OF
PE: ____ STATE: ____
L.E. NO: ____ DATE: ____

Zero Harm — Leadership No Incidents Safe Behavior

WorleyParsons resources & energy

CLIENT/PROJECT TITLE

NEXTERA BLYTHE SOLAR ENERGY CENTER, LLC
BLYTHE SOLAR POWER PROJECT BSPP
RIVERSIDE COUNTY, CA

PRELIMINARY GRADING PLAN II

SCALE: 1" = 500' | DRAWING SIZE: ARCH D (36" x 24")

WORLEYPARSONS DWG. NO.: BSPP-1-DW-112-735-002 | SHEET NO.: 6 | REV: B

CONCEPTUAL ENGINEERING PLANS

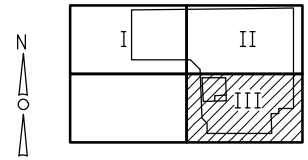
NOT FOR CONSTRUCTION FOR PERMITTING ONLY

SCALE: 1" = 500'

BSPP-1-DW-112-735-002.DWG 2.dwg
12/21/2012 14:03

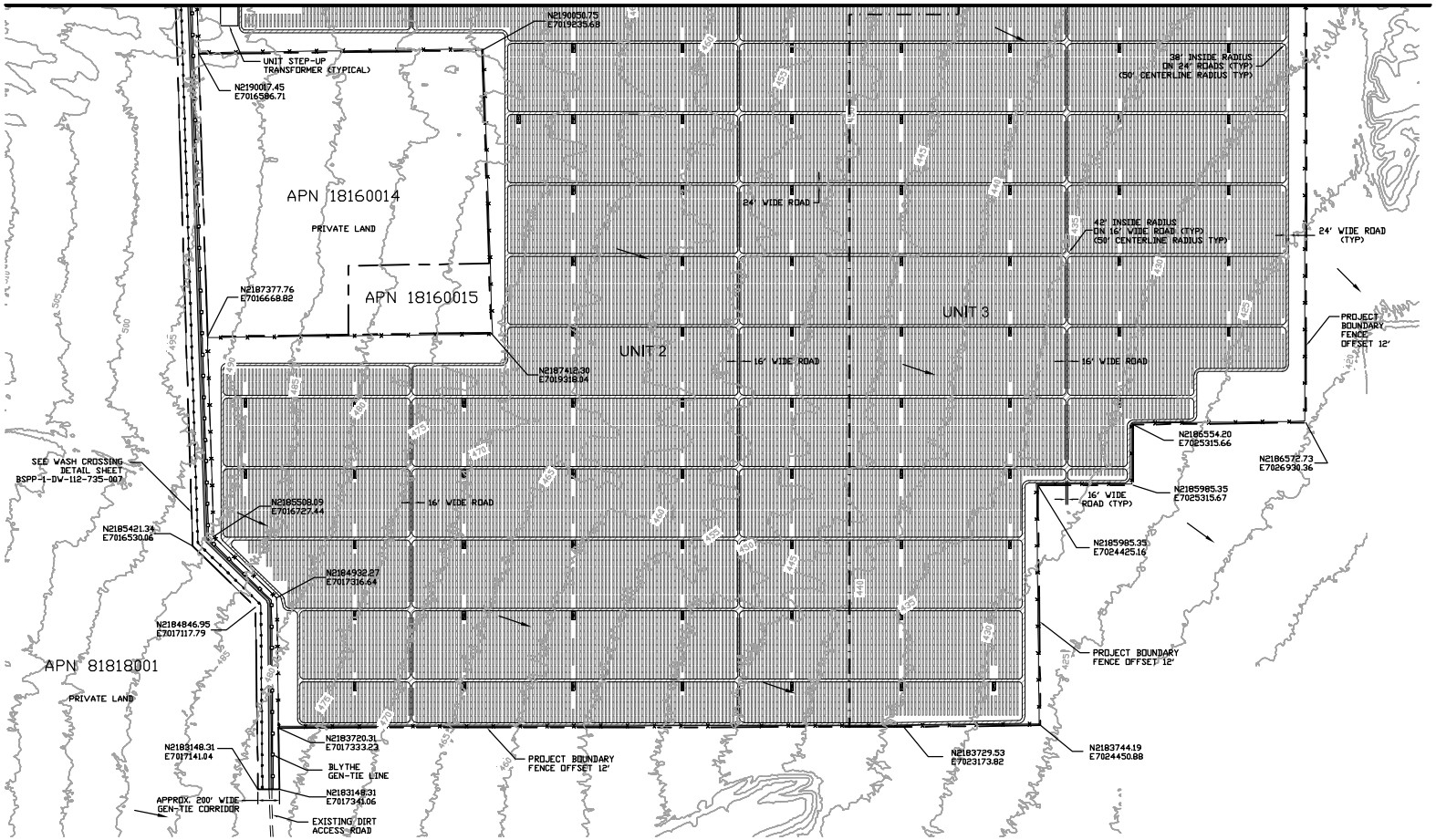
LEGEND:

- EASEMENT
- EXISTING CONTOUR MAJOR
- PROJECT BOUNDARY
- DRAINAGE FLOW DIRECTION
- PROPOSED FENCE
- UNIT BOUNDARY
- 230 KV DOUBLE CIRCUIT (BLYTHE GEN-TIE)
- 230 KV DOUBLE CIRCUIT (McCOY GEN-TIE)
- INVERTER AND TRANSFORMER PADS
- PROPOSED SINGLE AXIS TRACKER WITH PANELS
- PROPOSED GRAVEL ROAD
- PROPOSED PAVED ROAD



KEY MAP

MATCHLINE SEE SHEET
BSPP-1-DW-112-735-002



500 0 500 1,000 1,500
SCALE: 1" = 500'

CONCEPTUAL
ENGINEERING PLANS

NOT FOR CONSTRUCTION
FOR PERMITTING ONLY

NOTES:

1. THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR DETAILED DESIGN.
2. PERIMETER ROADS, INVERTER ACCESS ROADS, AND NORTH-SOUTH MAINTENANCE ROADS ARE 24 FT WIDE (TYPICAL). ALL OTHER MAINTENANCE ROADS ARE 16 FT WIDE (TYPICAL). SEE SHEET BSPP-1-DW-112-735-004 FOR ROAD DETAILS.
3. AN 8 FT CHAIN LINK FENCE WITH THREE STRAND BARB WIRE IS PROPOSED WITHIN PROJECT BOUNDARY WITH SUFFICIENT ROOM FOR FENCE MAINTENANCE.
4. LOCATIONS OF ALL EXISTING AND PROPOSED ITEMS ARE APPROXIMATE AND WILL NEED TO BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION.
5. FOR BASIS OF BEARINGS, CONVERGENCE & FACTOR, AND DATUM STATEMENT, SEE NOTE ON SHEET BSPP-1-DW-112-101-001.

REV	DATE	DESCRIPTION	DRAWN	CHECKED	LEAD DESIGNER	ENG/TECH SPEC	PROJ ENGR	PROJ MGR
B	02/27/13	ISSUED FOR PERMITTING	AP	JB	AP	JB	JB	RH	AZ
A	02/08/12	ISSUED FOR PERMITTING	AP	JB	AP	JB	JB	RH	AZ

PRELIMINARY STATUS — DATE — LDE — REPRESENTS GENERAL DESIGN CONCEPTS BASED ON ASSUMPTIONS. REVIEWED NOT CHECKED.

APPROVED STATUS — DATE — LDE — REPRESENTS REVIEWED AND APPROVED DESIGN. ANY PORTION MARKED "HOLD" RETAINS PRELIMINARY STATUS.

ORIGINATING PERSONNEL

DRAWN BY: A. PRATT
CHECKED BY: J. BRAVO
LEAD DESIGNER: A. PRATT
ENGINEER/TECH SPECIALIST: J. BRAVO
PROJECT ENGINEER: R. HILL
PROJECT MANAGER: A. ZIMMERMAN

PROFESSIONAL ENGINEER'S SEAL

Zero Harm — Leadership No Incidents Safe Behavior

ORIGINALLY PREPARED UNDER THE RESPONSIBLE SUPERVISION OF
PE: STATE:
L.E. NO: DATE:

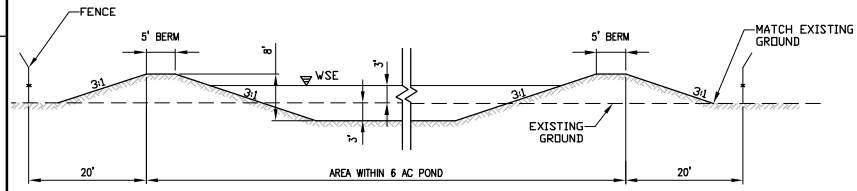
WorleyParsons resources & energy

CLIENT/PROJECT TITLE
NEXTERA BLYTHE SOLAR ENERGY CENTER, LLC
BLYTHE SOLAR POWER PROJECT BSPP
RIVERSIDE COUNTY, CA

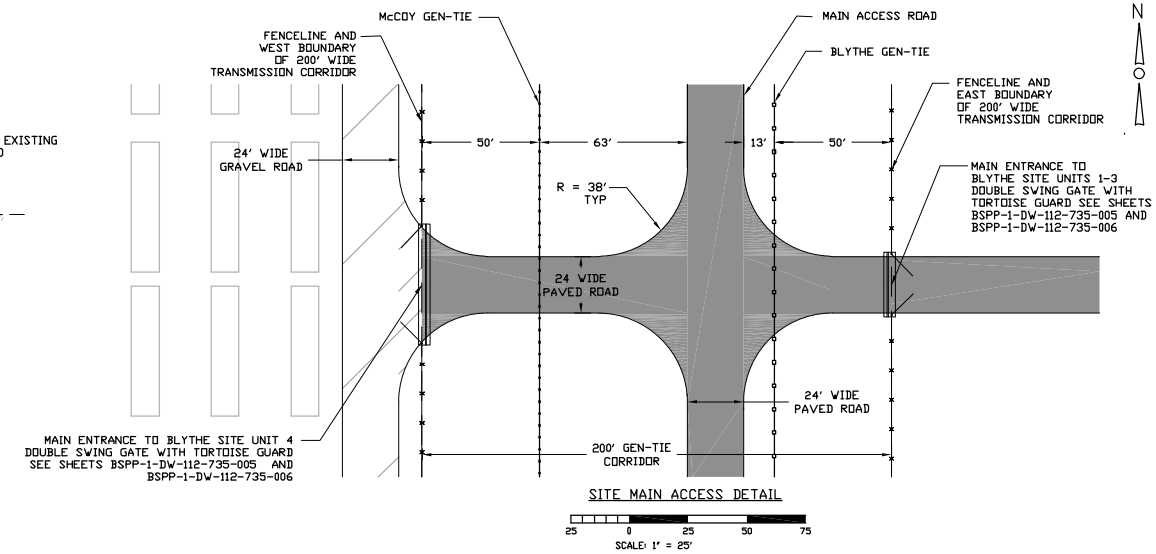
PRELIMINARY GRADING PLAN III

SCALE: 1" = 500' | DRAWING SIZE: ARCH D (36" x 24")
WORLEYPARSONS DWG. NO.: BSPP-1-DW-112-735-003 | SHEET NO.: 7 | REV: B

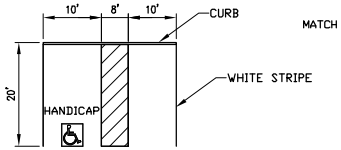
07_BSPP-1-DW-112-735-003.DGN 3.dgn
2/27/2013 1:49:07 PM



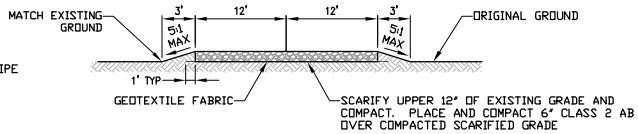
EVAPORATION POND GRADING DETAIL
NOT TO SCALE



SITE MAIN ACCESS DETAIL



PARKING SPACE DETAIL
NOT TO SCALE

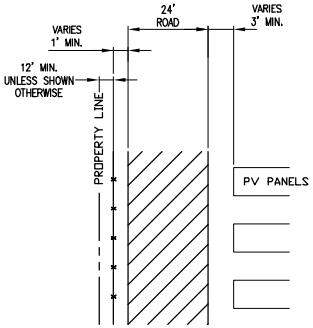


1. USED ON ALL PERIMETER ROADS AND CONSTRUCTION ACCESS ROADS.

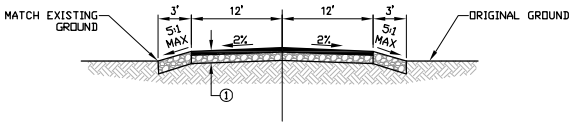
24' WIDE GRAVEL ROAD SECTION (TYPICAL)
NOT TO SCALE

NOTES:

1. SEE BSPP-1-DW-112-735-005 FOR FENCE DETAILS.
2. SEE BSPP-1-DW-112-735-006 FOR TORTOISE GUARD.
3. THIS DRAWING IS CONCEPTUAL AND IS NOT INTENDED FOR DETAILED DESIGN.

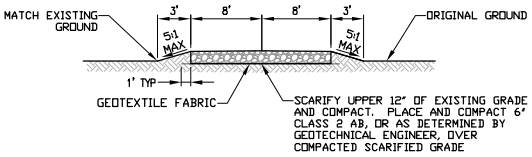


TYPICAL PROPERTY BOUNDARY DETAIL
NOT TO SCALE



1. PAVEMENT SECTION 3" AC OVER 4" AB OR AS DETERMINED BY GEOTECHNICAL/PAVEMENT ENGINEER.
2. USED ON ROADS STARTING FROM THE ENTRANCE OF ENERGY PROJECT TO O&M BUILDING AND BOTH SUBSTATIONS.

PAVED ENTRANCE ACCESS ROAD SECTION TO BLYTHE SOLAR POWER PROJECT
NOT TO SCALE



1. USED ON ALL SERVICE ROADS WITHIN THE SOLAR PANEL FIELD.

16' WIDE GRAVEL ROAD SECTION (TYPICAL)
NOT TO SCALE

CONCEPTUAL ENGINEERING PLANS

NOT FOR CONSTRUCTION FOR PERMITTING ONLY

REV	DATE	DESCRIPTION	DRAWN	CHECKED	LEAD DESIGNER	TECH SPEC	PROJ ENGR	PROJ MGR
B	02/27/13	ISSUED FOR PERMITTING	AP	JB	AP	JB	JB	RH	AZ
A	02/08/12	ISSUED FOR PERMITTING	AP	JB	AP	JB	JB	RH	AZ

PRELIMINARY STATUS — DATE — LDE — REPRESENTS GENERAL DESIGN CONCEPTS BASED ON ASSUMPTIONS. REVIEWED NOT CHECKED.

APPROVED STATUS — DATE — LDE — REPRESENTS REVIEWED AND APPROVED DESIGN. ANY PORTION MARKED "HOLD" RETAINS PRELIMINARY STATUS.

ORIGINATING PERSONNEL

DRAWN BY: A. PRATT
CHECKED BY: J. BRAVO
LEAD DESIGNER: A. PRATT
ENGINEER/TECH SPECIALIST: J. BRAVO
PROJECT ENGINEER: R. HILL
PROJECT MANAGER: A. ZIMMERMAN

PROFESSIONAL ENGINEER'S SEAL

Zero Harm — Leadership. No incidents. Safe behavior.

ORIGINALLY PREPARED UNDER THE RESPONSIBLE SUPERVISION OF PE ___ STATE ___ LIC. NO. ___ DATE ___

WorleyParsons resources & energy

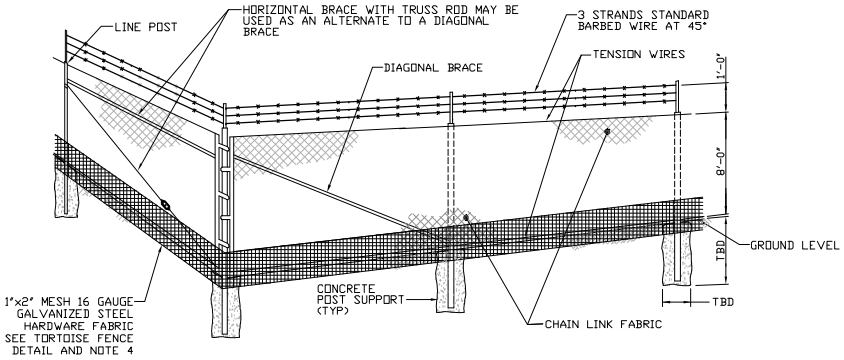
CLIENT/PROJECT TITLE

NEXTERA BLYTHE SOLAR ENERGY CENTER, LLC
BLYTHE SOLAR POWER PROJECT BSPP
RIVERSIDE COUNTY, CA

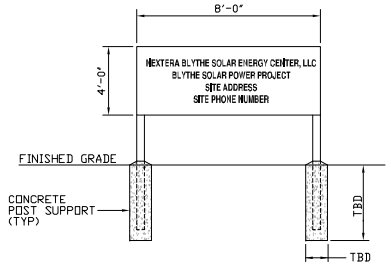
TYPICAL GRADING SECTIONS AND DETAILS

SCALE: 1" = 1000'
DRAWING SIZE: ARCH D (36" x 24")
WORLEYPARSONS DWG. NO.: BSPP-1-DW-112-735-004
SHEET NO.: 8
REV: B

BS_BSPP-1-DW-112-735-004.dwg
27-Feb-2013 - 14:22



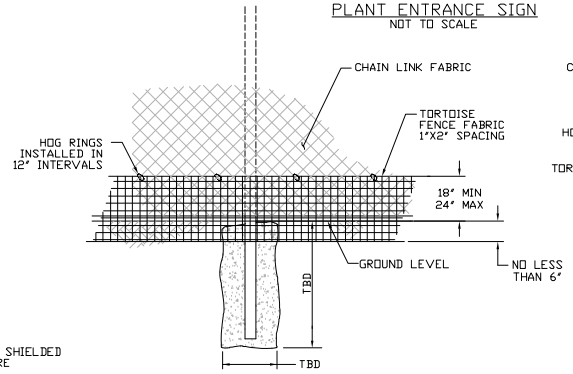
TYPICAL FENCE ELEVATION
NOT TO SCALE



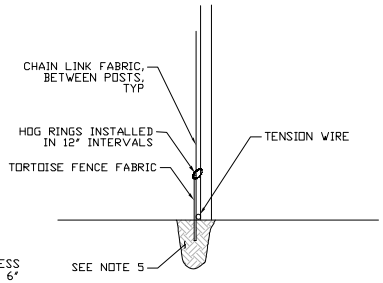
PLANT ENTRANCE SIGN
NOT TO SCALE

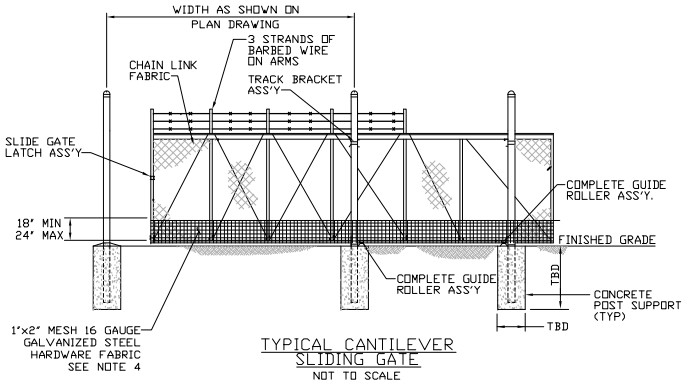
NOTES:

1. LIGHTING FIXTURES WILL BE DESIGNED AND INSTALLED PER THE RIVERSIDE COUNTY ZONING ORDINANCE.
2. LIGHTING FIXTURES WILL BE LOCATED IN AND NEAR EQUIPMENT MAINTENANCE AREAS, ABOVE DOORWAYS, AND WITHIN THE COMMON SERVICES AREA.
3. PLANT ENTRANCE SIGN LOCATED AT PLANT MAIN ACCESS GATE.
4. TORTOISE FENCE CLOTH TO BE ATTACHED TO CHAIN LINK FENCE FABRIC WITH HOG RINGS AT 12" MAXIMUM SPACING.
5. BACKFILL TRENCH WITH EXCAVATED MATERIAL AND COMPACT.
6. FENCING SETBACKS WILL BE DETERMINED DURING DETAILED DESIGN SO THAT ANY PONDING WILL BE WITHIN PROJECT BOUNDARY.
7. THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR DETAILED DESIGN.

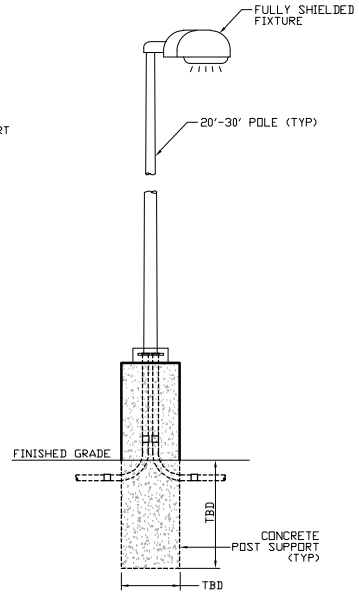


TORTOISE FENCE DETAIL
NOT TO SCALE

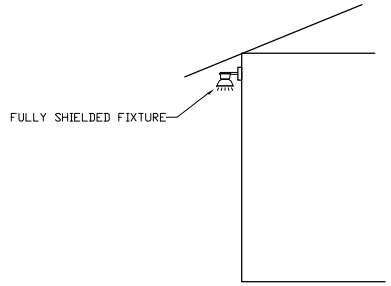




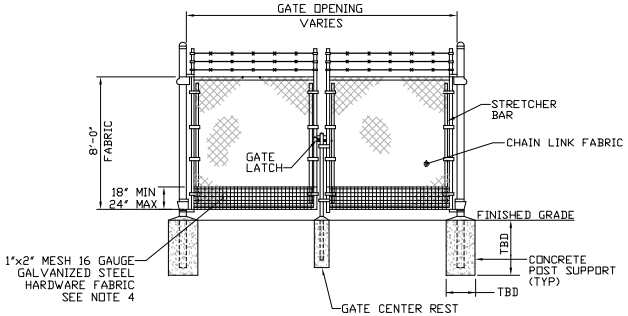
TYPICAL CANTILEVER SLIDING GATE
NOT TO SCALE



TYPICAL LIGHT POLE DETAIL
NOT TO SCALE



TYPICAL WALL MOUNT LIGHT DETAIL
NOT TO SCALE



TYPICAL DOUBLE SWING GATE
NOT TO SCALE

LEGEND:

TBD = TO BE DETERMINED
(TYP) = TYPICAL

CONCEPTUAL ENGINEERING PLANS

NOT FOR CONSTRUCTION FOR PERMITTING ONLY

REV	DATE	DESCRIPTION	DRAWN	CHECKED	LEAD DESIGNER	TECH SPEC	PROJ ENG MGR	PROJECT MANAGER
B	12/21/12	ISSUED FOR PERMITTING	AP	AB	AP	JB	JB	RH	AZ
A	12/20/12	ISSUED FOR PERMITTING	AP	JB	AP	JB	JB	RH	AZ

PRELIMINARY STATUS — DATE — LDE — REPRESENTS GENERAL DESIGN CONCEPTS BASED ON ASSUMPTIONS. REVIEWED NOT CHECKED.

APPROVED STATUS — DATE — LDE — REPRESENTS REVIEWED AND APPROVED DESIGN. ANY PORTION MARKED "HOLD" RETAINS PRELIMINARY STATUS.

ORIGINATING PERSONNEL

DRAWN BY: A. PRATT
CHECKED BY: J. BRAVO
LEAD DESIGNER: A. PRATT
ENGINEER/TECH SPECIALIST: J. BRAVO
PROJECT ENGINEERING MANAGER: R. HILL
PROJECT MANAGER: A. ZIMMERMAN

PROFESSIONAL ENGINEER'S SEAL

Zero Harm — Leadership. No incidents. Safe behavior.

ORIGINALLY PREPARED UNDER THE RESPONSIBLE SUPERVISION OF PE ___ STATE ___ LIC. NO. ___ DATE ___

WorleyParsons resources & energy

CLIENT/PROJECT TITLE

NEXTERA BLYTHE SOLAR ENERGY CENTER, LLC
BLYTHE SOLAR POWER PROJECT BSPP
RIVERSIDE COUNTY, CA

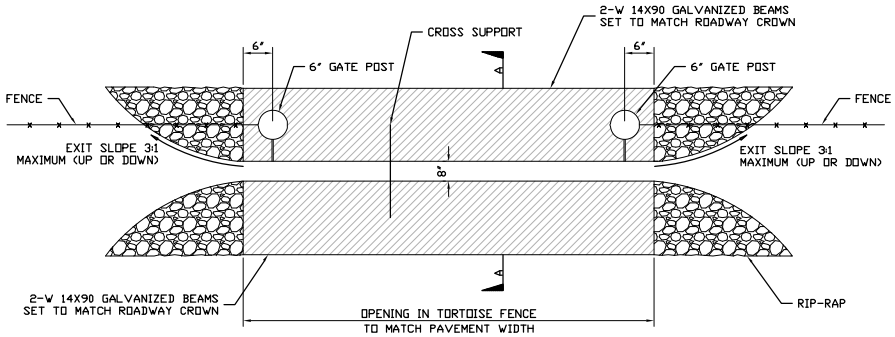
FENCE AND LIGHT DETAILS

SCALE: 1" = 400'
DRAWING SIZE: ARCH D (36" x 24")
WORLEYPARSONS DWG. NO.: BSPP-1-DW-112-735-005
SHEET NO.: 9
REV: B

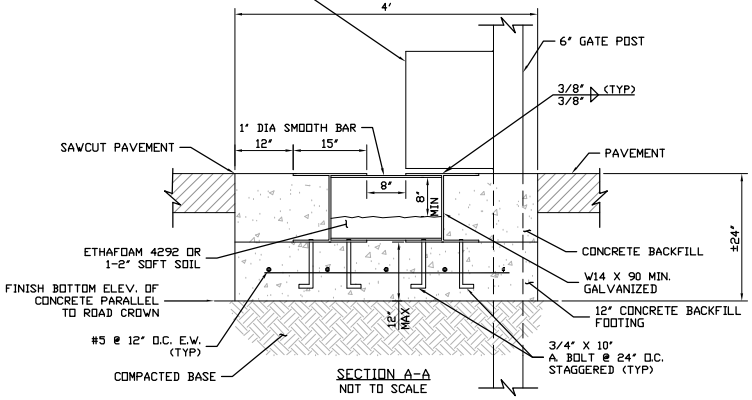
BSPP-1-DW-112-735-005.dwg
12-4-2013 14:49

NOTES:

1. THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR DETAILED DESIGN.



PLAN VIEW
NOT TO SCALE



SECTION A-A
NOT TO SCALE

TORTOISE GUARD

CONCEPTUAL
ENGINEERING PLANS

NOT FOR CONSTRUCTION
FOR PERMITTING ONLY

REV	DATE	DESCRIPTION	DRAWN	CHECKED	LEAD DESIGNER	TECH SPEC	PROJ ENGR	PROJ MGR
B	12/27/13	ISSUED FOR PERMITTING	AP	JB	AP	JB	JB	RH	AZ
A	12/18/12	ISSUED FOR PERMITTING	AP	JB	AP	JB	JB	RH	AZ

PRELIMINARY STATUS — DATE — L.DE
REPRESENTS GENERAL DESIGN CONCEPTS BASED ON ASSUMPTIONS. REVIEWED NOT CHECKED.

APPROVED STATUS — DATE — L.DE
REPRESENTS REVIEWED AND APPROVED DESIGN. ANY PORTION MARKED "HOLD" RETAINS PRELIMINARY STATUS.

ORIGINATING PERSONNEL
DRAWN BY: A. PRATT
CHECKED BY: J. BRAVO
LEAD DESIGNER: A. PRATT
ENGINEER/TECH SPECIALIST: J. BRAVO
PROJECT ENGINEERING MANAGER: R. HILL
PROJECT MANAGER: A. ZIMMERMAN

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L.E. NO: DATE:

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NEXTERA BLYTHE SOLAR ENERGY CENTER, LLC
BLYTHE SOLAR POWER PROJECT BSPP
RIVERSIDE COUNTY, CA

TORTOISE GUARD DETAILS

SCALE: NONE
DRAWING SIZE: ARCH D (36" x 24")
WORLEYPARSONS DWG. NO.: BSPP-1-DW-112-735-006
SHEET NO.: 10
REV: B

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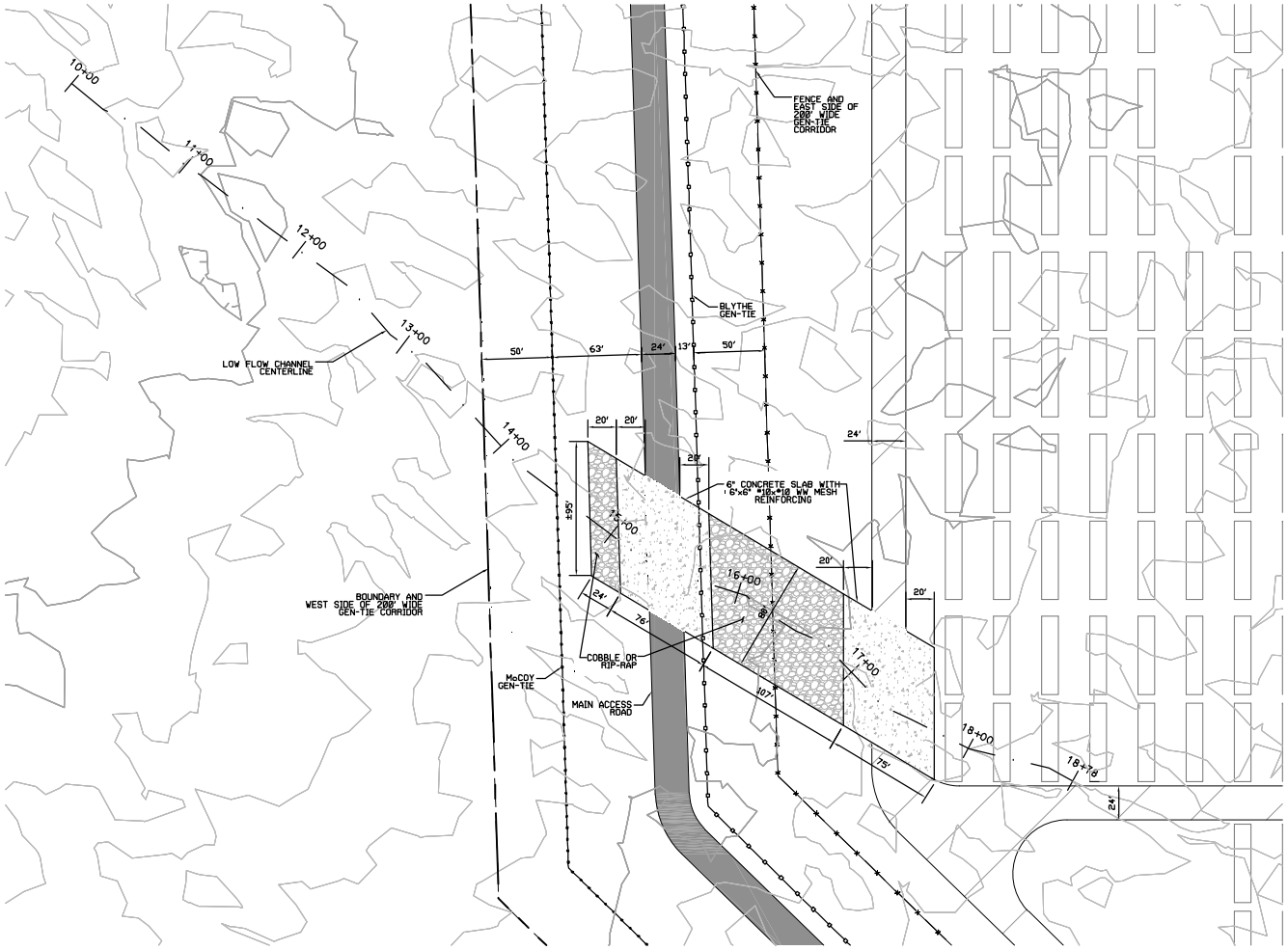
27-Feb-2013 JCZ



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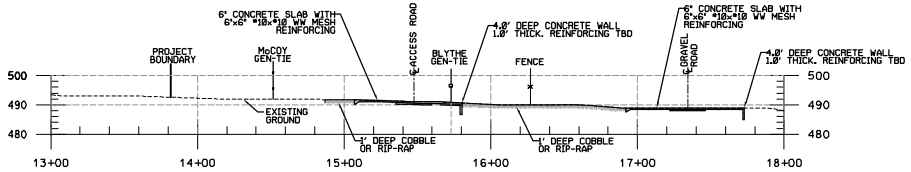
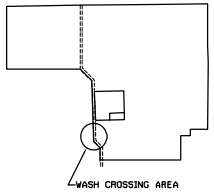


CHANNEL PROFILE #1

SCALE:
HORIZ: 1"=40'
VERT: 1"=20'

LEGEND:

- EXISTING GROUND
- BOUNDARY
- EXISTING CONTOUR MINOR
- EXISTING CONTOUR MAJOR (500)
- TRANSMISSION CORRIDOR
- PROPOSED FENCE
- CENTERLINE OF LOW FLOW CHANNEL
- McCOY GEN-TIE
- BLYTHE GEN-TIE
- PROPOSED PAVED ROAD
- PROPOSED GRAVEL ROAD
- CONCRETE SLAB
- COBBLE OR RIP-RAP
- PROPOSED SINGLE AXIS TRACKER WITH PANELS



KEY MAP

CONCEPTUAL ENGINEERING PLANS

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B	02/27/13	ISSUED FOR PERMITTING	AP	JB	AP	JB	JB	RH	AZ
A	12/20/12	ISSUED FOR PERMITTING	AP	JB	AP	JB	JB	RH	AZ

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ORIGINATING PERSONNEL

DRAWN BY: A. PRATT
CHECKED BY: J. BRAVO
LEAD DESIGNER: A. PRATT
ENGINEER/TECH SPECIALIST: J. BRAVO
PROJECT ENGINEERING MANAGER: R. HILL
PROJECT MANAGER: A. ZIMMERMAN

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RIVERSIDE COUNTY, CA

WASH CROSSING DETAILS

SCALE	DRAWING SIZE	
AS NOTED	ARCH D (36" x 24")	
WORLEYPARSONS DWG. NO.	SHEET NO.	REV
BSPP-1-DW-112-735-007	11	B

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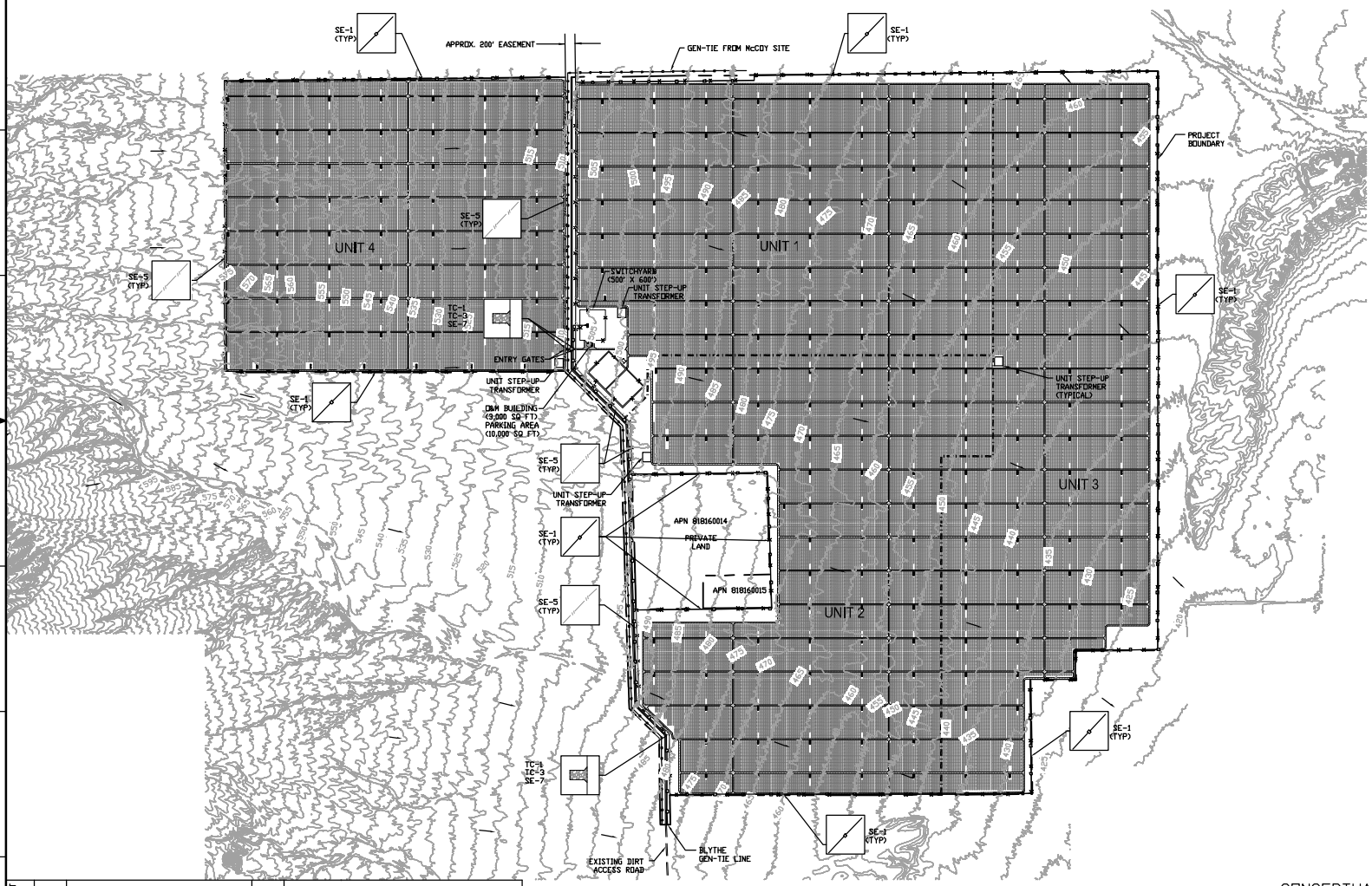
- PROPOSED FENCE
- PROJECT BOUNDARY
- 500 EXISTING CONTOUR
- DRAINAGE FLOW DIRECTION
- 230 KV DOUBLE CIRCUIT (McCOY GEN-TIE)
- INVERTER AND TRANSFORMER PADS
- PROPOSED SINGLE AXIS TRACKER WITH PANELS
- PROPOSED GRAVEL ROAD
- PROPOSED PAVED ROAD
- UNIT BOUNDARY

NOTES:

1. THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR DETAILED DESIGN.
2. SEE SHEET BSPP-1-DW-112-717-002 FOR NOTES.



TITLE	STD SYMB	DESCRIPTION
SE-1		SILT FENCE
SE-5		FIBER ROLL
TC-1, TC-3, SE-7		STABILIZED CONSTRUCTION ENTRANCE/EXIT, ENTRANCE/OUTLET TIRE WASH, STREET SWEEPING AND VACUUMING
TC-2		STABILIZED CONSTRUCTION ROADWAY

CASQA BEST MANAGEMENT PRACTICES MANUAL (BMP) LEGEND

1,000 0 1,000 2,000 3,000
SCALE: 1" = 1,000'

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B	12/21/12	ISSUED FOR PERMITTING	AP	JB	AP	JB	JB	RH	AZ
A	12/20/12	ISSUED FOR PERMITTING	AP	JB	AP	JB	JB	RH	AZ

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ENGINEER/TECH SPECIALIST: J. BRAVO
PROJECT ENGINEERING MANAGER: R. HILL
PROJECT MANAGER: A. ZIMMERMAN

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BLYTHE SOLAR POWER PROJECT BSPP
RIVERSIDE COUNTY, CA

EROSION CONTROL PLAN

SCALE: 1" = 1000'
DRAWING SIZE: ARCH D (36" x 24")
WORLEYPARSONS DWG. NO.: BSPP-1-DW-112-717-001
SHEET NO.: 12
REV: B

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BEST MANAGEMENT PRACTICES AND STORMWATER POLLUTION NOTES:

1. ALL WORK SHALL APPLY THE "BEST MANAGEMENT PRACTICES" (BMPS) FOR THE CONSTRUCTION INDUSTRY. IN ADDITION, THE CONTRACTOR IS REQUIRED TO BE FAMILIAR WITH, AND IMPLEMENT ALL STORMWATER QUALITY AND POLLUTION CONTROL MEASURES IN ACCORDANCE WITH THE LATEST CODE.

2. THE CONTRACTOR SHALL COMPLY WITH ALL RULES, REGULATIONS AND PROCEDURES OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) FOR MUNICIPAL CONSTRUCTION AND INDUSTRIAL ACTIVITIES AS PROMULGATED BY THE CALIFORNIA STATE WATER RESOURCE CONTROL BOARD OR ANY OF ITS REGIONAL WATER QUALITY CONTROL BOARDS.

3. THE CONTRACTOR SHALL COMPLETE ALL WORK IN ACCORDANCE WITH THE CALIFORNIA STORM WATER BEST MANAGEMENT PRACTICE HANDBOOKS LATEST EDITION AND THE STORMWATER POLLUTION PREVENTION PLAN PREPARED FOR THIS PROJECT TITLED "STORMWATER POLLUTION PREVENTION PLAN".

4. THE CONTRACTOR AND SUBCONTRACTORS OF EVERY TIER ARE REQUIRED TO CAREFULLY REVIEW AND UNDERSTAND THE SWPPP AND BMP REQUIREMENTS FOR THIS PROJECT.

5. ALL CONTRACTORS AND SUBCONTRACTORS SHALL ATTEND AN ENVIRONMENTAL TRAINING PROGRAM OFFERED BY THE PROJECT PROPONENT PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES AND BMPS SHALL BE IMPLEMENTED UNDER THE DIRECTION OF A QUALIFIED SWPPP DEVELOPER (QSD).

6. AFTER COMPLETION OF THE PROJECT, ALL SURPLUS OR WASTE EARTHEN MATERIAL SHALL BE REMOVED FROM THE SITE AND DEPOSITED IN A LEGAL POINT OF DISPOSAL.

7. EROSION CONTROL SHOWN ON THESE PLANS IS INTENDED AS A GUIDE. ADDITIONAL EROSION CONTROL MEASURES, OR BMPS, MAY BE REQUIRED, AS DETERMINED IN THE FIELD BY THE QSD.

8. THIS RESPONSIBILITY SHALL APPLY THROUGHOUT THE COURSE OF CONSTRUCTION OF THE PROJECT AND UNTIL ALL DISTURBED AREAS HAVE BECOME STABILIZED AND SHALL NOT BE LIMITED TO WET WEATHER PERIODS.

9. IN THE EVENT THAT ONE OR MORE ADDITIONAL BMPS ARE REQUIRED, SUCH BMPS SHALL BE INSTALLED UNDER THE DIRECTION OF THE QSD.

10. GATHER ALL CONSTRUCTION DEBRIS ON A REGULAR BASIS. STORE ALL CONSTRUCTION MATERIALS AND WASTE IN A COVERED AREA, OR UNDER A TARP. SWEEP WHERE POSSIBLE, DO NOT USE WATER TO WASH DOWN AREAS DRAINING TO STORM DRAINS. USE PROPER EQUIPMENT CLEANING, FUELING, AND MAINTENANCE PRACTICES.

11. MINIMIZE CONSTRUCTION ACCESS POINTS TO THE SITE. PROVIDE A CONSTRUCTION ENTRANCE AT EACH ACCESS POINT. REMOVE ALL SILT, GRAVEL, RUBBISH, AND GREEN WASTE FROM THE STREET ADJOINING THE SITE PRIOR TO OCTOBER 1ST. PROVIDE REGULAR MAINTENANCE, WEEKLY OR AFTER STORM EVENTS, TO KEEP ACCESS POINTS CLEAN AND FREE OF DEBRIS, DURING WET WEATHER AVOID DRIVING OFF PAVED AREAS AND TRACKING MUD AND SILT ONTO PAVED AREAS.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING SITE EROSION CONTROL AT ALL TIMES.

13. PROTECT ADJACENT PROPERTIES FROM ALL STORM WATER OR SILT RUNOFF GENERATED BY ON-SITE CONSTRUCTION ACTIVITIES. INSTALL SANDBAGS OR OTHER EROSION CONTROL MEASURES TO PREVENT SILT RUNOFF ONTO PUBLIC ROADWAYS.

14. TEMPORARY SILT FENCE AND DRAINAGE CONTROL FACILITIES SHALL BE INSTALLED TO CONTROL AND CONTAIN EROSION-CAUSED SILT DEPOSITS AND TO PROVIDE FOR THE SAFE DISCHARGE OF STORM WATERS INTO EXISTING STORM WATER FACILITIES. DESIGN OF THESE FACILITIES MUST BE APPROVED BY THE COUNTY ENGINEER AND IN PLACE PRIOR TO THE START OF GRADING.

15. MINIMIZE REMOVAL OF ANY VEGETATION. STABILIZE ALL CLEARED AND DE-VEGETATED AREAS PRIOR TO OCTOBER 1ST. STABILIZATION SHOULD INCLUDE TEMPORARY OR PERMANENT RE-SEEDING, MULCHING, PROTECTIVE BERMS, SILT FENCES, PLASTIC COVERINGS OR ROCKING OF ROADS, AND SHOULD BE BASED ON A BAG EROSION CONTROL OR CALIFORNIA STORM WATER BMP HANDBOOK STANDARDS.

16. STABILIZE SWALES, GULLIES, CHANNELS, CULVERTS, FIELD INLETS, AND OUTFACES ON THE CONSTRUCTION SITE TO PREVENT EROSION.

17. USE SEDIMENT CONTROLS TO REDUCE SEDIMENTATION FROM DEWATERING EFFLUENT. CONTROL THE USE AND PREVENT DISCHARGE TO STORM DRAINS OF ALL POTENTIAL POLLUTANTS. FOR EXAMPLE, PESTICIDES, PETROLEUM PRODUCTS, NUTRIENTS (PLANT WASTES), SOLID WASTES, AND CONSTRUCTION DISCHARGES FROM DEWATERING ACTIVITIES, STREET WASHING, AND PAVEMENT SAW CUTTING.

18. BETWEEN OCTOBER 15TH AND APRIL 15TH, EXPOSED SOIL SHALL BE PROTECTED FROM EROSION AT ALL TIMES. HAY BALES, FILTER BERMS, SILT FENCES OR OTHER MEANS SHALL BE EMPLOYED TO PREVENT SEDIMENT FROM LEAVING THE SITE OR ENTERING ANY WATER COURSE.

19. THE CONTRACTOR SHALL DESIGNATE ONE AREA (OR AREAS) OF THE CONSTRUCTION SITE WELL AWAY FROM ANY STREAMS, WETLAND RESTORATION AREA OR STORM BASIN INLETS FOR EQUIPMENT PARKING AND ROUTINE EQUIPMENT AND VEHICLE MAINTENANCE,

20. ALL VEHICLES AND HEAVY EQUIPMENT SHALL BE INSPECTED FREQUENTLY FOR LEAKS, CLEAN UP SPILLED MATERIALS IMMEDIATELY, NOT WASHING THEM OR BURYING THEM.

21. CLEAN UP LIQUID SPILLS ON PAVED AND IMPERVIOUS SURFACES USING "DRY" CLEAN UP METHODS. (I. E. ABSORBENT MATERIALS, RAGS)

22. CLEAN UP SPILLS ON DIRT AREAS BY REMOVING AND PROPERLY DISPOSING OF CONTAMINATED SOIL.

23. REPORT SIGNIFICANT SPILLS TO THE APPROPRIATE SPILL RESPONSE AGENCY AND OWNER. SEE THE STORM WATER POLLUTION PLAN PREPARED FOR THE PROJECT.

24. THE CONTRACTOR SHALL KEEP CONTAMINANTS FROM FRESH CONCRETE AND ASPHALT OUT OF STORM DRAINS AND STREAMS AND WETLAND AREAS BY SCHEDULING PAVING JOBS AFTER PERIODS OF DRY WEATHER, ALLOWING NEW PAVEMENT TO CURE BEFORE STORM WATER FLOWS ACROSS IT.

25. IF PAVING AND STORM DRAIN IMPROVEMENT ARE NOT COMPLETED BY OCTOBER 1ST TEMPORARY SILT AND DRAINAGE CONTROL FACILITIES SHALL BE INSTALLED TO CONTROL AND CONTAIN EROSION CAUSED SILT DEPOSITS AND TO PROVIDE FOR THE SAFE DISCHARGE OF STORM WATERS INTO EXISTING STORM WATER FACILITIES. DESIGN OF THESE FACILITIES MUST BE APPROVED BY THE COUNTY.

26. ALL BMP DOCUMENTS APPROVED FOR THIS PROJECT SHALL BE KEPT ON FILE AT THE JOB SITE.

FOR BEST MANAGEMENT PRACTICES (BMP) FACT SHEETS REFER TO THE CALIFORNIA STORMWATER BMP HANDBOOK CONSTRUCTION, NOVEMBER 2009

CONCEPTUAL ENGINEERING PLANS

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A	12/20/12	ISSUED FOR PERMITTING	AP	JB	AP	JB	JB	RH / AZ

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PE: ____ STATE: ____
L.E. NO: ____ DATE: ____

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CLIENT/PROJECT TITLE
NEXTERA BLYTHE SOLAR ENERGY CENTER, LLC
BLYTHE SOLAR POWER PROJECT BSPP
RIVERSIDE COUNTY, CA

EROSION CONTROL NOTES

SCALE: N/A
DRAWING SIZE: ARCH D (36" x 24")
WORLEYPARSONS DWG. NO.: BSPP-1-DW-112-717-002
SHEET NO.: 13
REV: B

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APPENDIX C HYDROLOGIC EVALUATION

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Pre/Post-Development Hydrology Report

Blythe Solar Power Project
Riverside County, California

Prepared for
NextEra Blythe Solar Energy Center, LLC

Prepared by
AECOM

April 2, 2013

This report was prepared by:

AECOM Technical Services, Inc.
717 17th St, Suite 2600
Denver, CO 80202

Project Manager: Sara Head

Hydrologic Engineer: Casey Dick, EIT

Technical Reviewer: Erin Gleason, PE

TABLE OF CONTENTS

LIST OF FIGURES ii
LIST OF TABLES ii
ABBREVIATIONS AND ACRONYMS iii
1. PROJECT DESCRIPTION 1
1.1 Introduction 1
1.2 Site Description 2
2. METHODOLOGY 5
2.1 Spatial Configuration 5
2.2 Hydrologic Modeling (HEC-HMS) 6
2.3 Hydraulic Modeling (FLO-2D) 8
2.3.1 Topography 8
2.3.2 Surface Roughness 9
2.3.3 Infiltration 12
2.3.4 Surface Abstraction 14
2.3.5 Precipitation 14
3. RESULTS 16
3.1 HEC-HMS Results 16
3.2 FLO-2D Results 18
4. CONCLUSIONS 24

APPENDICES

Appendix A: 10-year Storm Event Pre/Post-Development Hydrology Maps
Appendix B: 25-year Storm Event Pre/Post-Development Hydrology Maps
Appendix C: 100-year Storm Event Pre/Post-Development Hydrology Maps
Appendix D: 10-year Storm Event Hydrographs for Flow Measurement Cross-Sections
Appendix E: 25-year Storm Event Hydrographs for Flow Measurement Cross-Sections
Appendix F: 100-year Storm Event Hydrographs for Flow Measurement Cross-Sections

LIST OF FIGURES

Figure 1: BSPP Solar Plant Site and Surrounding Areas 2
Figure 2: Draft Site Plan Showing Site Development Features 4
Figure 3: HEC-HMS and FLO-2D Model Boundaries 5
Figure 4. Spatial Distribution of Topographic Data Sources 9
Figure 5: Pre-Development Manning's n Values 10
Figure 6: Post-Development (Unit 1) Manning's n Values 11
Figure 7: Post-Development (All Units) Manning's n Values 11
Figure 8: Pre-Development SCS Curve Number Values 12
Figure 9: Post-Development (Unit 1) SCS Curve Number Values 13
Figure 10: Post-Development (All Units) SCS Curve Number Values 13
Figure 11. Precipitation Frequency Estimates for the BSPP Vicinity (from Kiewit, 2010). 15
Figure 12: Offsite Hydrographs Resulting from 10-Year Hydrologic Event 16
Figure 13: Offsite Hydrographs Resulting from 25-Year Hydrologic Event 17
Figure 14: Offsite Hydrographs Resulting from 100-Year Hydrologic Event 17

LIST OF TABLES

Table 1: HEC-HMS Offsite Basin Model Inputs 7
Table 2: HEC-HMS Offsite Basin Model Results Summary 18
Table 3: Peak Flow Rate (CFS) at Flow Analysis Cross-Sections for 10-Year Event 19
Table 4: Peak Flow Rate (CFS) at Flow Analysis Cross-Sections for 25-Year Event 19
Table 5: Peak Flow Rate (CFS) at Flow Analysis Cross-Sections for 100-Year Event 19
Table 6: Total Outflow Volume (AF) at Flow Analysis Cross-Sections for 10-Year Event 20
Table 7: Total Outflow Volume (AF) at Flow Analysis Cross-Sections for 25-Year Event 20
Table 8: Total Outflow Volume (AF) at Flow Analysis Cross-Sections for 100-Year Event 20
Table 9: FLO-2D Mass Balance Results (AF) for 10-Year Hydrologic Event 21
Table 10: FLO-2D Mass Balance Results (AF) for 25-Year Hydrologic Event 21
Table 11: FLO-2D Mass Balance Results (AF) for 100-Year Hydrologic Event 21
Table 12: Appendix Map Matrix 22

ABBREVIATIONS AND ACRONYMS

AF	acre-feet
AF/yr	acre-feet per year
BLM	Bureau of Land Management
cfs	cubic feet per second
CN	curve number
DEM	digital elevation model
FEMA	Federal Emergency Management Agency
fps	feet per second
ft	feet
I-10	Interstate 10
LiDAR	light detection and ranging
BSPP	Blythe Solar Power Project
MW	megawatt
NOAA	National Ocean and Atmospheric Administration
NRCS	Natural Resources Conservation Service
PV	photovoltaic
SCS	Soils Conservation Survey (now NRCS)
USACE	United States Army Corps of Engineers
USGS	United States Geological Survey

1. PROJECT DESCRIPTION

1.1 Introduction

In mid-2012, NextEra Blythe Solar Energy Center, LLC ("NextEra Blythe") purchased the Blythe Solar Power Project (BSPP), which is a fully permitted 1000 MW solar thermal power project (referred to as the "Approved Project"). NextEra Blythe is proposing to modify the power generating technology to photovoltaic (PV) solar technology, and reduce the footprint and power generation capacity of the project (referred to as the "Modified Project"). The Modified Project would have a nominal power generation capacity of 485 MW and would occupy approximately 4,138 acres located fully within the Approved Project boundaries.

The purpose of this study was to characterize the effects of development of the Modified Project on surface water drainage patterns at, and down-slope of the Modified Project site. To achieve this objective, pre-development site conditions were modeled for the 10-, 25-, and 100-year (24-hour duration) hydrologic events, and used as a benchmark for comparison with post-development modeling results.

Aspects of the Modified Project that have potential to impact surface water drainage conditions differently than those of the Approved Project are as follows:

- Replacement of concentrating solar helio-trough and associated HTF collections and circulation system with PV modules
- Reduction of Project footprint from approximately 6,831 acres to approximately 4,138 acres
- Less intensive grading of the site will be required to accommodate PV technology
- Elimination of large drainage control channels and structures

HEC-HMS was used to develop flood hydrographs for mountainous watersheds tributary to the Modified Project vicinity, and FLO-2D was used to route the flood hydrographs and local rainfall-runoff through the Modified Project site and vicinity. Development effects were quantified based on modeled changes in the following hydraulic parameters: maximum flow velocity, maximum flow depth, peak flow rate, and total outflow volume.

1.2 Site Description

The Modified Project site comprises approximately 4,138 acres located approximately 8 miles northwest of Blythe, California, and approximately 3 miles north of I-10. The area is located in the Sonoran Desert on the Palo Verde Mesa, approximately 2 miles east of the McCoy Mountains, and is within the jurisdictional boundaries of the BLM, and un-incorporated Riverside County. Figure 1 is a vicinity map showing the location of the Modified Project site and relevant geographic features in the surrounding area.

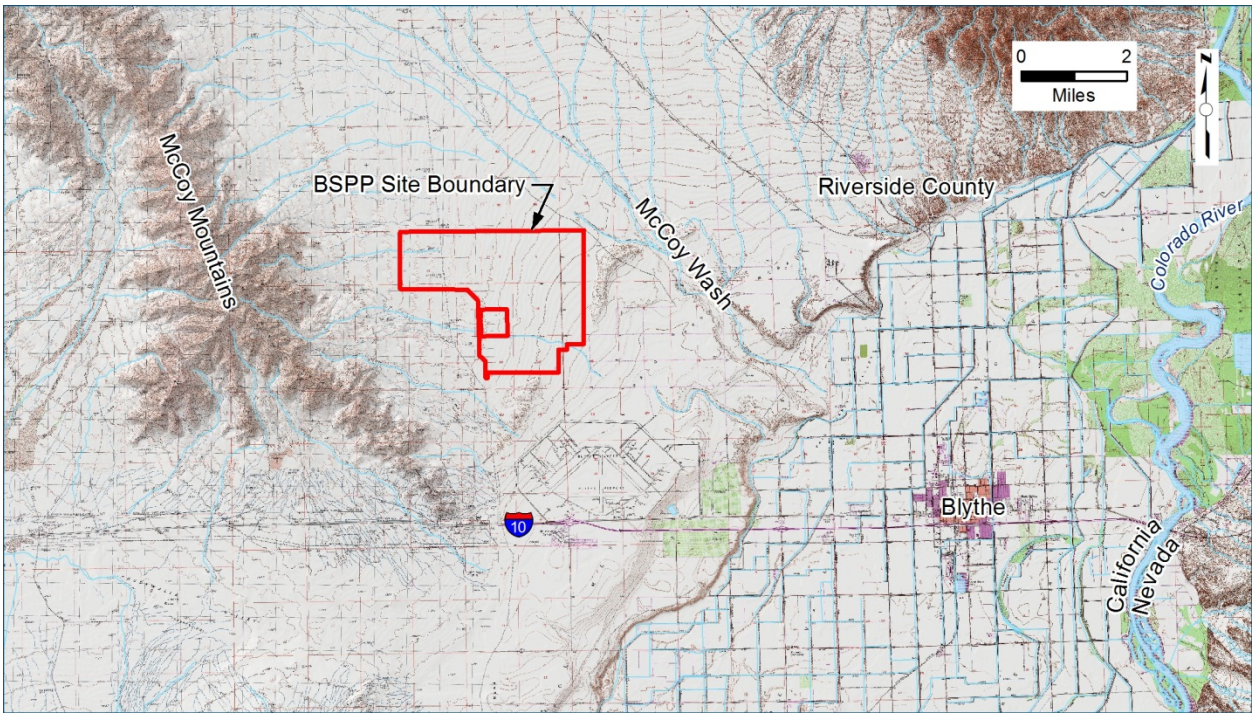


Figure 1: BSPP Solar Plant Site and Surrounding Areas

The general surface water flow pattern trends from higher elevations in the McCoy Mountains into shallow moderately defined channels at the base of the mountains. The major watercourse in the project area is McCoy Wash (northeast of the Modified Project site) which drains approximately 210 square miles of the Palo Verde Mesa, McCoy Mountains, Little Maria Mountains and Big Maria Mountains, and exits the mesa to the east of the Modified Project site. Alluvial fans radiate from the base of the McCoy Mountains and mesa discharging to a broad flat expanse of desert terrain sloping in a southeasterly direction across the BSPP site. Based on field observations, low flows from the ephemeral washes that traverse the Modified Project site in a west-to-east orientation transition into alluvial fans and abate into the landscape prior to connecting with the McCoy Wash.

Vegetation in the Sonoran Desert consists primarily of succulent cacti and drought resistant

shrub adapted to sparse rainfall and well-draining soil. Soils generally consist of large, angular, cobbles in the up-slope mountainous terrain, and transition to finer, more closely packed, cobbles and pebbles in the project vicinity and at the Modified Project site.

Proposed construction of the Modified Project is anticipated to occur in four operational Units (phases); Unit 1, will be constructed in the first phase, and Units 2 through 4 will be constructed in subsequent phases. To ensure that the post-development modeling addressed the full range of potential hydrologic impacts related to the phased development approach, the following two development scenarios were simulated: 1) development of Unit 1 only, and 2) development of all Units. Figure 2 shows the preliminary site layout including areal coverage of PV panels, Unit boundaries, and other site development features.

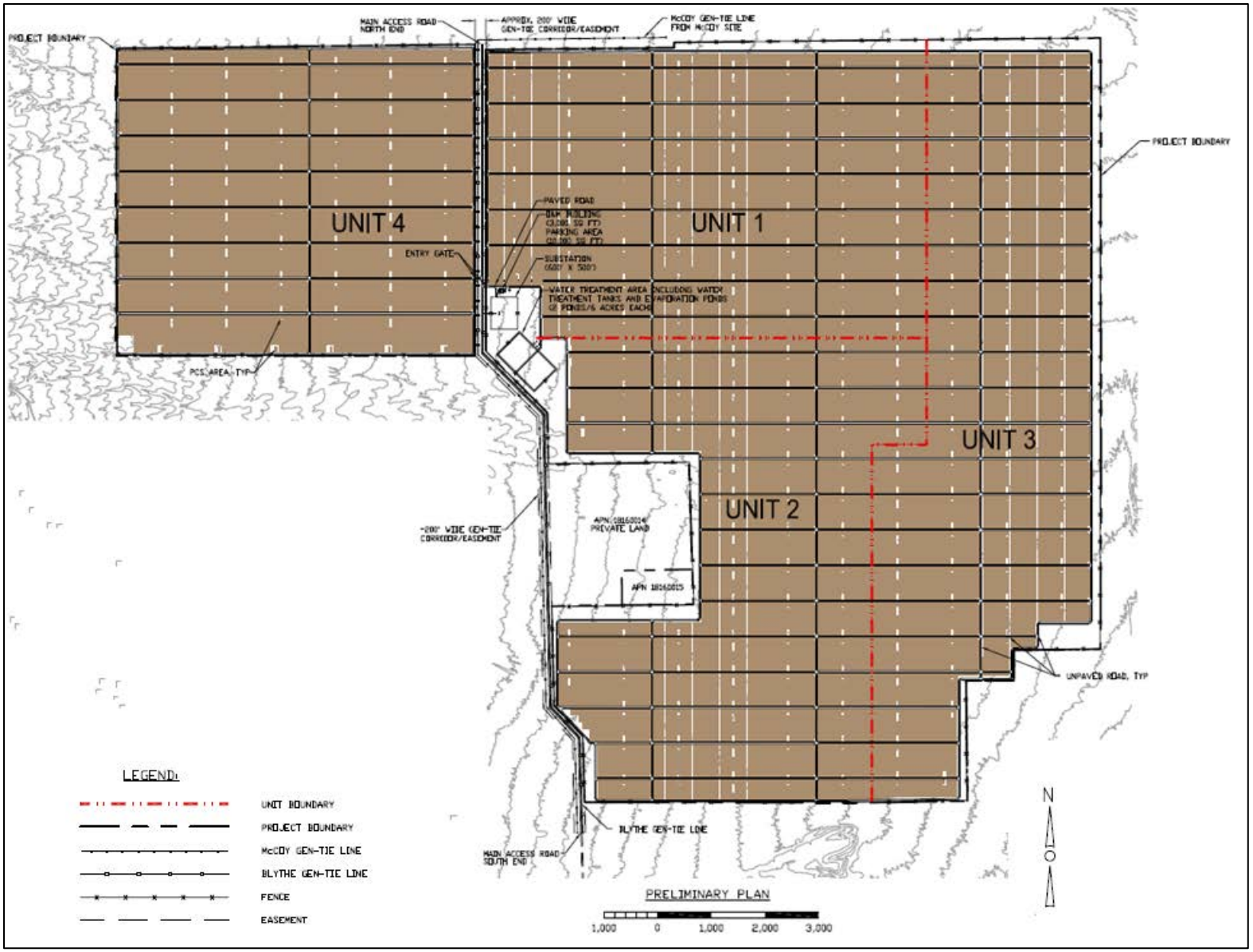


Figure 2: Draft Site Plan Showing Areal Coverage of PV Panels and Other Site Development Features (Source: WorleyParsons)

2. METHODOLOGY

HEC-HMS was used to develop flood hydrographs for mountainous watersheds tributary to the project vicinity. Pre- and post-development drainage conditions in the vicinity of the BSPP site were characterized using FLO-2D to route flood hydrographs and local rainfall-runoff through the BSPP site and Modified Project vicinity. This section provides a summary of the modeling approach and input parameters used in the models.

2.1 Spatial Configuration

Hydrologic and hydraulic model extents were established based on drainage basins which were delineated using topographic data to determine surface water flow directions. Figure 3 shows the boundaries of the HEC-HMS model sub-basins (purple) and the FLO-2D model boundary (black) in relation to the BSPP site.

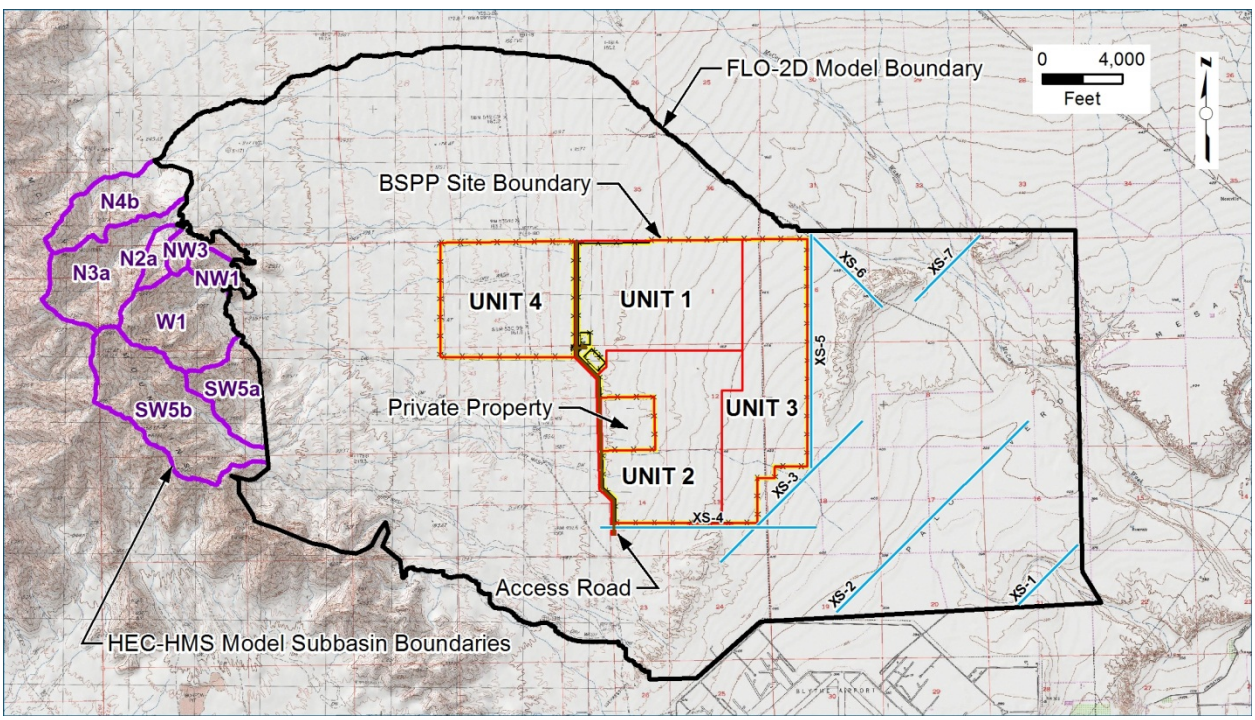


Figure 3: HEC-HMS and FLO-2D Model Boundaries

The HEC-HMS model domain includes all watersheds that contribute flows to the Modified Project boundary. The FLO-2D model boundaries were established to capture all flows tributary to the Modified Project site and all areas potentially receiving flows resulting from runoff from the Modified Project site.

Seven flow analysis cross-sections (XS-1 through XS-7) were established within the FLO-2D

model. The flow analysis cross-sections are used to quantify changes in peak flow rate and total outflow volume leaving the BSPP site resulting from development-related changes to site conditions. Locations of the flow analysis cross-sections are shown as light in Figure 3 (light blue lines).

2.2 Hydrologic Modeling (HEC-HMS)

The BSPP site receives surface water flow from 8 tributary basins originating in the McCoy Mountains located approximately 2 miles west of the site. These watersheds were delineated with the ArcHydro suite within ArcGIS using 30-foot contour USGS DEM topographic data.

The 8 basins tributary to the Modified Project vicinity were individually modeled for the 10-, 25, and 100-year (24-hour duration) hydrologic events using HEC-HMS. The parameters used in the HMS model are described below and the values are listed in Table 1.

1. Runoff Methodology. The surface runoff calculations were performed by transforming the rainfall using the Standard SCS synthetic unit hydrograph (UH). The dimensionless UH is scaled by the lag time to produce the unit hydrograph that is applied for surface runoff calculation. The lag time for the Standard SCS UH is defined as the length of time between the centroid of precipitation and the peak flow of the hydrograph. Basin properties used to calculate lag time include; 1) length of the longest flowpath in the basin (L), 2) centroidal length from the centroid of the basin perpendicular to the longest flow path (Lca), 3) average basin slope, and 4) curve number (defined below).

2. Loss Method. The SCS method was selected to calculate infiltration within each sub basin. With this method, infiltration and initial abstraction are calculated based on the user-defined curve number (CN) which is based on the soil type and vegetation and defined in SCS TR-55[1]. Impervious areas are not included in infiltration loss calculations.

3. Precipitation Values and Distribution. The rainfall depths resulting from 10-, 25-, and 100-year (24-hour duration) precipitation events were obtained from the NOAA Atlas 14 document as reported in the Approved Project's *Revised Drainage Report for Pre-Development Hydrology and Post-Development Hydrology and Hydraulics*[2]

[1] United States Department of Agriculture - Natural Resources Conservation Service, Urban Hydrology for Small Watersheds, Technical Release TR 55, Table 2-2d. Major plants include saltbrush, greasewood, creosotebush, blackbrush, bursage, palo verde, mesquite, and cactus

[2] Kiewit Power Engineers Co. *Revised Drainage Report for Pre-Development Hydrology and Post-Development*

dated August 30, 2010. Rainfall depths used for the 10-, 25-, and 100-year return periods were 2.0 inches, 2.54 inches, and 3.44 inches, respectively. The SCS Type II storm distribution was used to distribute the precipitation over the 24-hour period.

Outflow hydrographs resulting from the three storm events were generated for each of the 8 tributary basins, and then used to define the inflow contributions along the western FLO-2D model boundary. The flow generated up-slope of the BSPP site would not be expected to change as a result of the site development; therefore, the same inflow hydrographs were used in all model scenarios. Table 1 shows the input parameters used to model each of the up-slope basins in HEC-HMS.

Table 1: HEC-HMS Offsite Basin Model Inputs

Basin	Basin Area (mi^2)	L (mi)	L_{CA} (mi)	Soil Type	CN (area-weighted)	Slope (%)	Lag Time (min)	Initial Abstraction (in)
N4b	0.57	1.60	0.77	B (33%), D (70%)	84	1.90%	12.2	0.381
N3a	0.75	1.81	1.13	B (7%), D (93%)	87	1.49%	15.2	0.299
N2a	0.12	0.88	0.50	B (13%), D (87%)	87	1.49%	8.0	0.299
NW3	0.17	0.51	0.33	B (18%), D (82%)	86	1.63%	5.5	0.326
NW1	0.13	0.57	0.25	B (9%), D (91%)	87	1.49%	5.3	0.299
W1	0.75	1.29	0.78	B (4%), D (96%)	88	1.36%	11.1	0.273
SW5a	0.43	0.88	0.37	B (19%), D (81%)	86	1.63%	7.3	0.326
SW5b	1.09	2.34	1.27	B (1%), D (99%)	88	1.36%	18.8	0.273

Notes:

1. All basins were assigned an imperviousness of 0%.

2.3 Hydraulic Modeling (FLO-2D)

Inputs to the FLO-2D model include topographic data, ground surface and soil attributes (surface roughness, abstraction, and infiltration), and precipitation. Under the pre-development scenario, no adjustments to input parameters were made to differentiate the BSPP site from the surrounding areas. Post-development hydraulic modeling was conducted to address two site development scenarios: development of only Unit 1, and development all Units. Under the Unit 1 development scenario, parameter adjustments were made within the Unit 1 disturbance area to capture the effects of development of that area. Under the development of all Units scenario, parameter adjustments were made to the entire BSPP site to reflect the effects of full development of the site. This section provides a discussion of the FLO-2D model parameters and how they were varied to represent the various development scenarios.

2.3.1 Topography

The topographic dataset used in this study was generated by developing a mosaic of high-resolution LiDAR data (2-foot contour) with lower-resolution radar data (10-foot contour) and USGS DEM data (30-foot contour). Figure 4 shows the spatial distribution of the sources of topographic data used within the HEC-HMS and FLO-2D model domains. The datasets were combined into a final elevation dataset mosaic using the highest resolution data available for a given location, and filling in with lower resolution data where necessary. The ground surface was represented in the FLO-2D model as a grid consisting of 100-ft by 100-ft grid elements. The grid element elevations were assigned using the FLO-2D *Grid Developer System* to sample elevations from the elevation dataset mosaic.

Post-development changes in elevation are expected to be minimal and will generally not change from pre-development conditions. However, grid elements in contact with the proposed paved access road that runs north-south through the length of the Modified Project site were raised 0.5 feet to represent the post-development effects of the paved road section on surface water flow patterns[3]. Grid topography was not modified for the proposed gravel roads within the BSPP site boundary, as the finished surface of these roads is expected to be within 1 to 2 inches of the existing grade[3].

[3] WorleyParsons, *Email communication between Casey Dick (AECOM) and Juan Bravo, PE (WorleyParsons).* March 20 and 29, 2012.

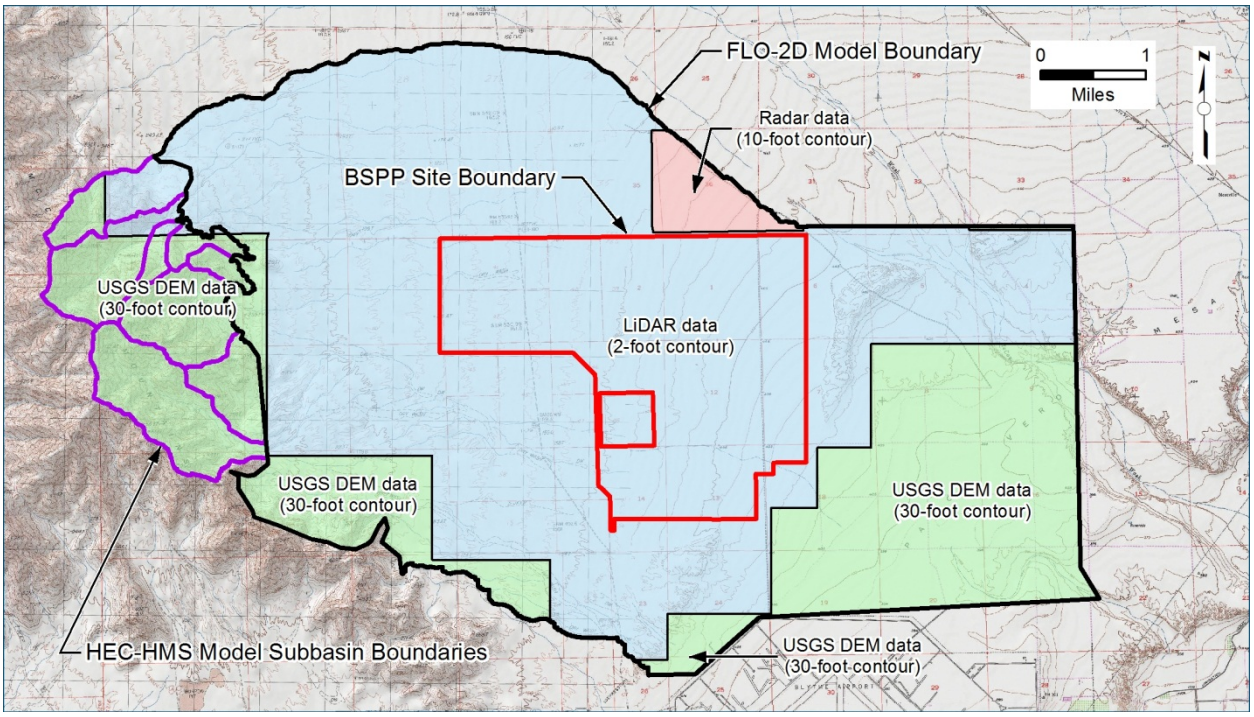


Figure 4: Spatial Distribution of Topographic Data Sources within the HEC-HMS and Flo-2D Model Domains

2.3.2 Surface Roughness

FLO-2D uses the Manning's n coefficient to account for the effects of surface roughness. The Manning's n roughness value utilized in FLO-2D is specific to overland flow computations[4], which is significantly higher than the Manning's n value specific to open channel flow computations[5].

Pre-development Manning's n values were estimated based on correlation of field photographs[6], site visits, aerial imagery, and sensitivity analyses. Manning's n was distributed spatially using ArcGIS shapefiles, and a composite overland flow Manning's n value was assigned to each grid cell to account for the local variations in vegetation and surface irregularity. The pre-development Manning's n values represent the sparse vegetation, sandy soils, and open ground with debris noted at the site[4].

Post-development changes to Manning's n values were estimated by applying adjustment factors to the base values to account for slight compaction due to construction activities,

[4] FLO-2D Software Inc., FLO-2D Reference Manual (Version 2009), 2009.

[5] Army Corps of Engineers, HEC-1 Manual (1990) and Technical Engineering Design Guide, No. 19 (1997).

[6] United States Geological Survey, *Guide for Selecting Manning's Roughness Coefficients for Natural Channels and Flood Plains*, Arcement and Schneider, USGS Water-Supply Paper 2339, 1989.

installation of the PV panels and the mounting structures, and a surrounding access road with fencing. While some adjustment factors caused an increase in surface roughness (e.g., PV mounting structures), the composite adjustment resulted in a net decrease in surface roughness.

The chain-link fence enclosing the Modified Project site was represented in the FLO-2D model by an increased Manning's n value of 0.4 to simulate the additional drag that would be caused by the fence. This value was derived based on the assumption that the tortoise fencing in the lower 2 feet of the security fence would induce drag similar to that of *dense vegetation*[4].

Figures 5, 6, and 7 depict the spatial distribution of Manning's n for the three model scenarios.

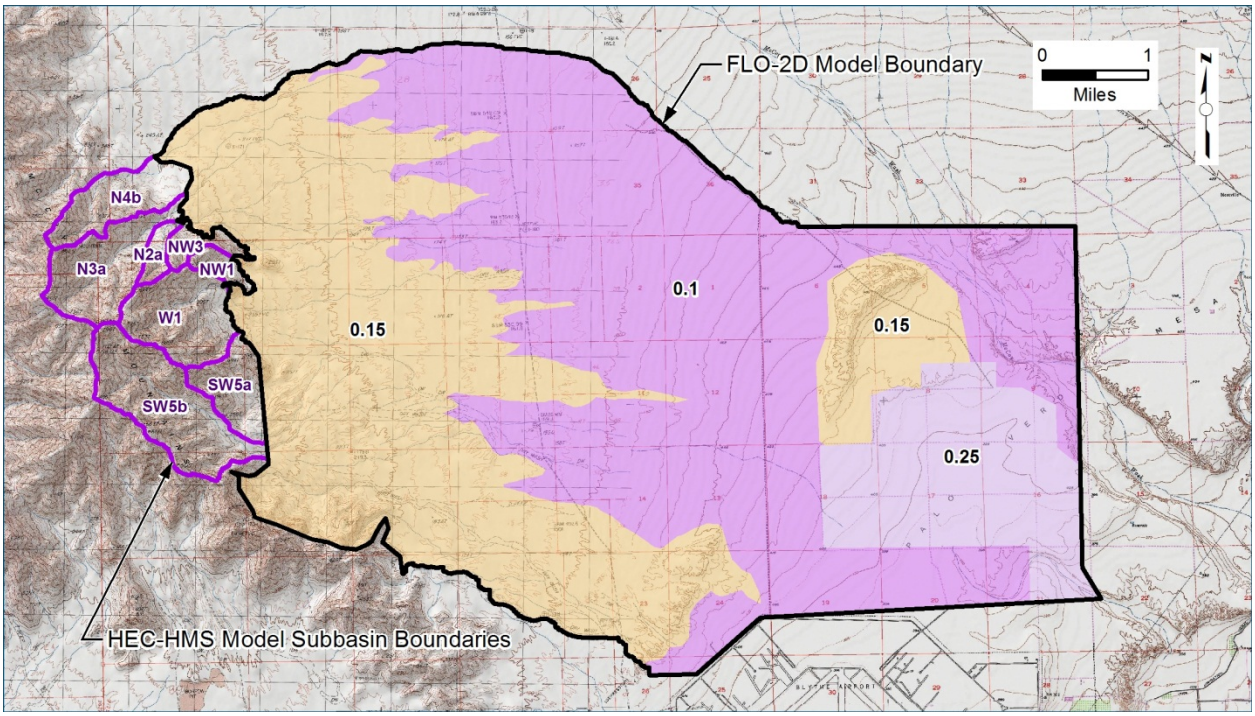


Figure 5: Pre-Development Manning's n Values

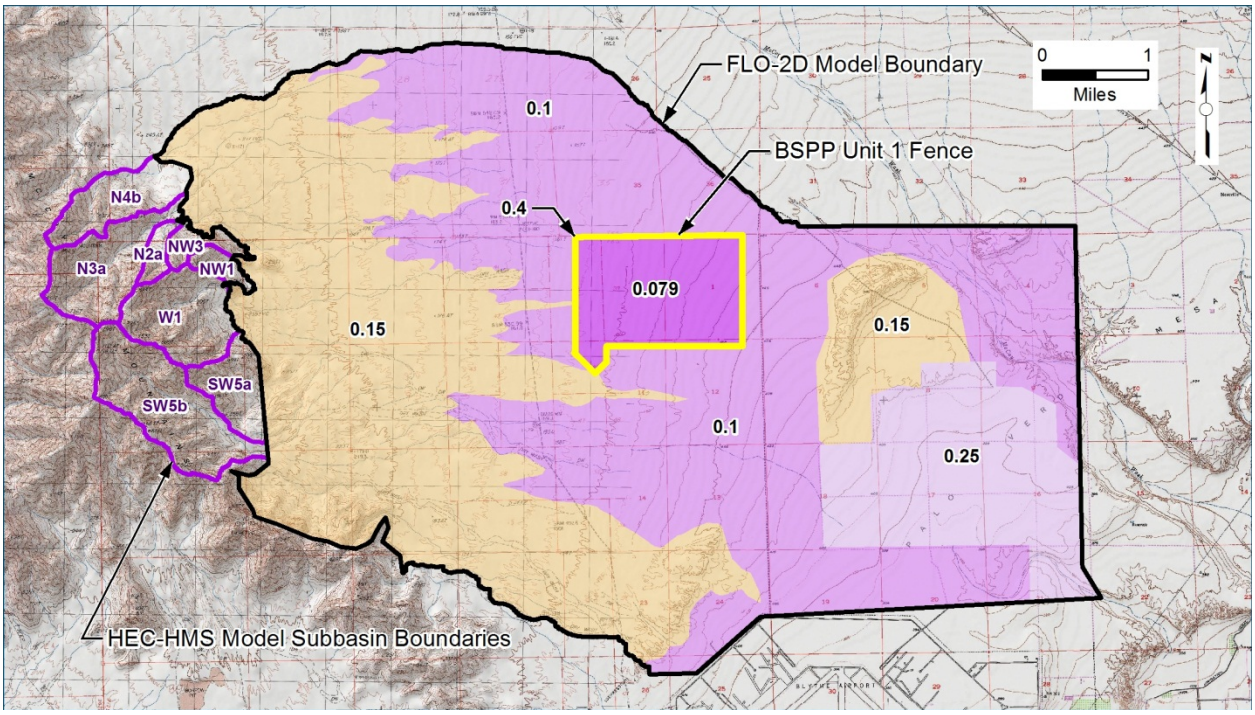


Figure 6: Post-Development (Unit 1) Manning's n Values

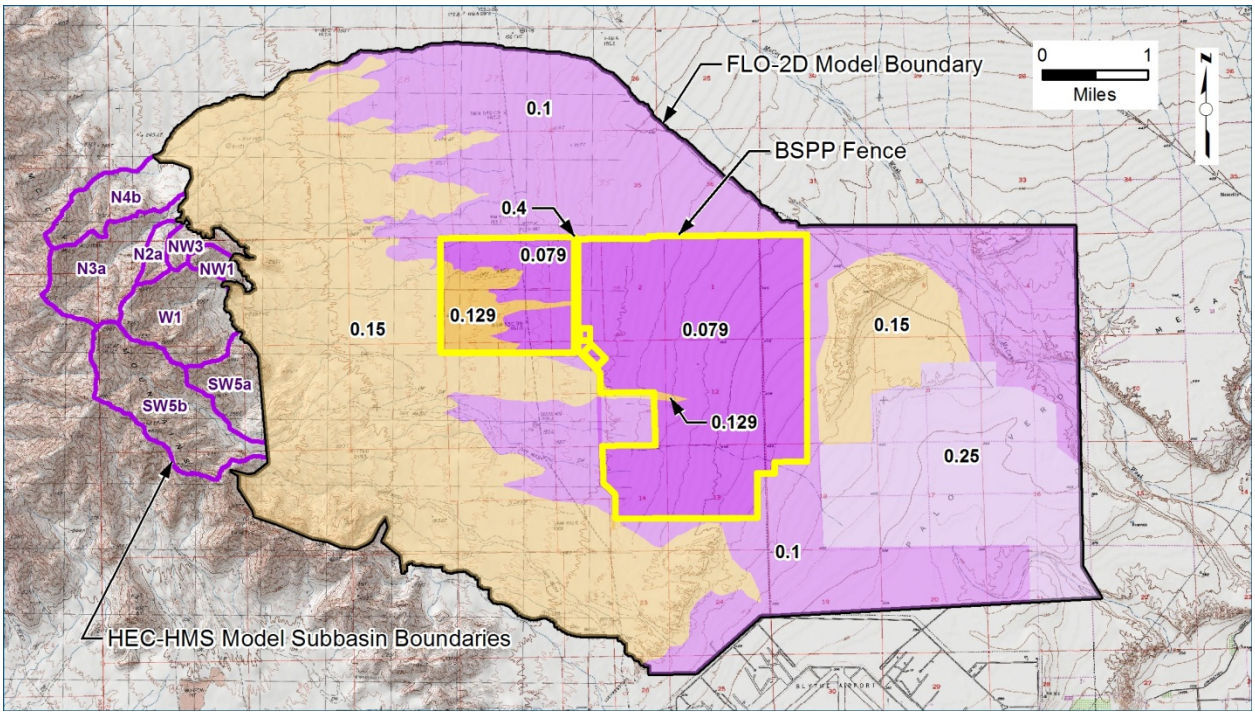


Figure 7: Post-Development (All Units) Manning's n Values

2.3.3 Infiltration

The SCS Curve Number approach was utilized in the FLO-2D model to account for infiltration of water into the subsurface. Curve number (CN) values representing Desert Shrub[7] Soil Groups B and D were used as base values. Pre-development CN values are 77 for Soil Group B and 88 for Soil Group B. CN values were spatially distributed using ArcGIS in a manner similar to that for distribution of Manning's n values.

Post-development CN values were increased to 82 for Soil Group B, and 89 for Soil Group D within the BSPPP site boundary to account for changes in the quality of cover related to site development. Primary factors contributing to post-development changes to CN values are the PV panels, facility buildings, slight compaction of soil due to construction activity, and construction of the access roads. CN values were increased only within the construction limits specific to each development scenario.

Figures 8, 9, and 10 depict the spatial distribution of CN values for the three model scenarios.

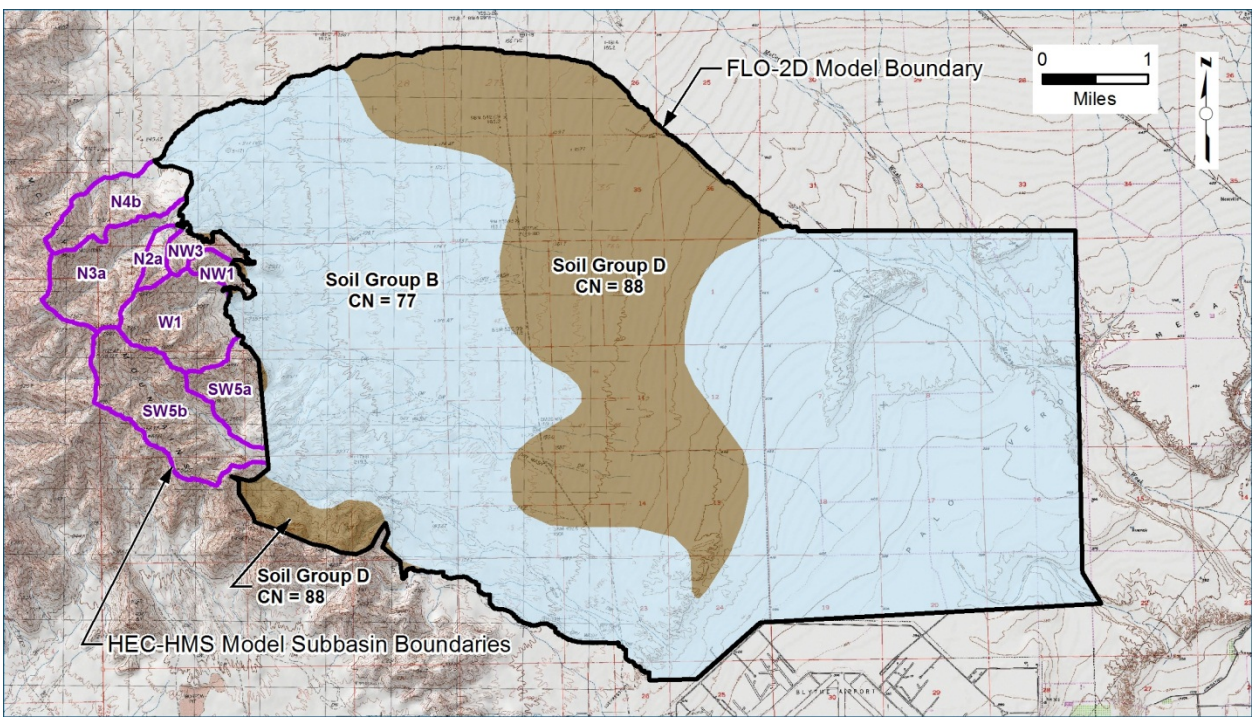


Figure 8: Pre-Development SCS Curve Number Values

[7] United States Department of Agriculture - Natural Resources Conservation Service, *Urban Hydrology for Small Watersheds*, Technical Release TR 55, Table 2-2d. Major plants include saltbrush, greasewood, creosotebush, blackbrush, bursage, palo verde, mesquite, and cactus.

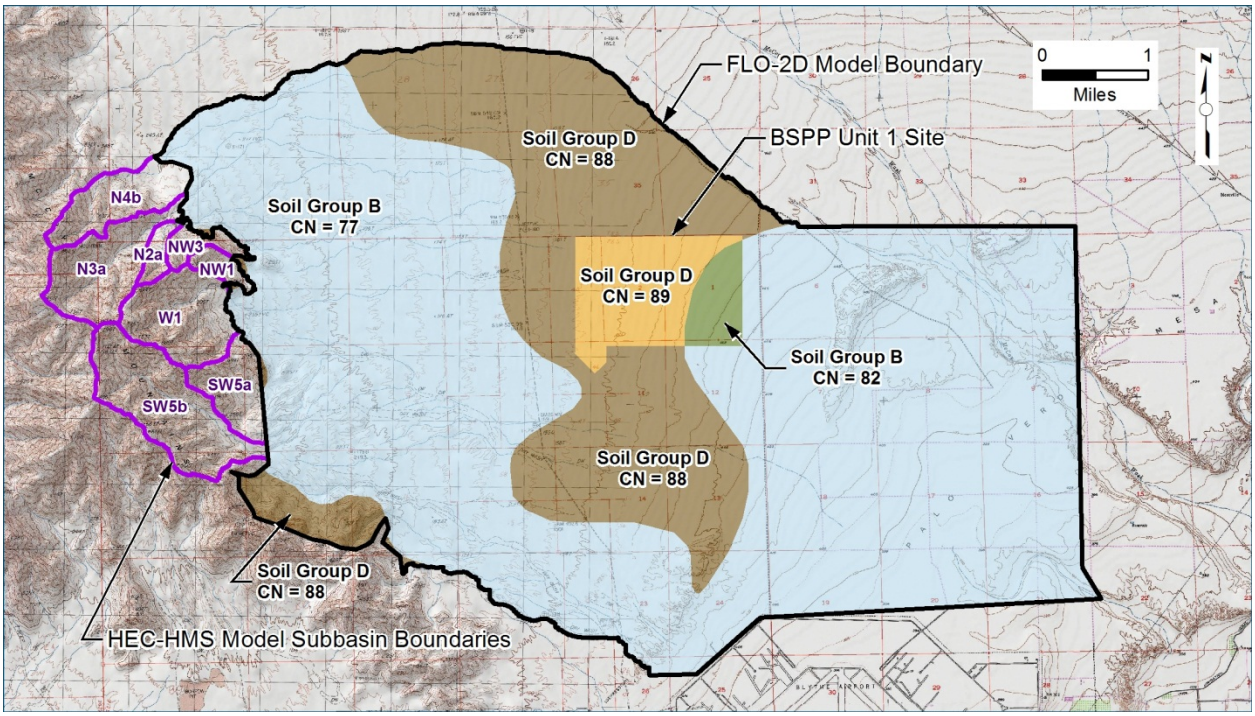


Figure 9: Post-Development (Unit 1) SCS Curve Number Values

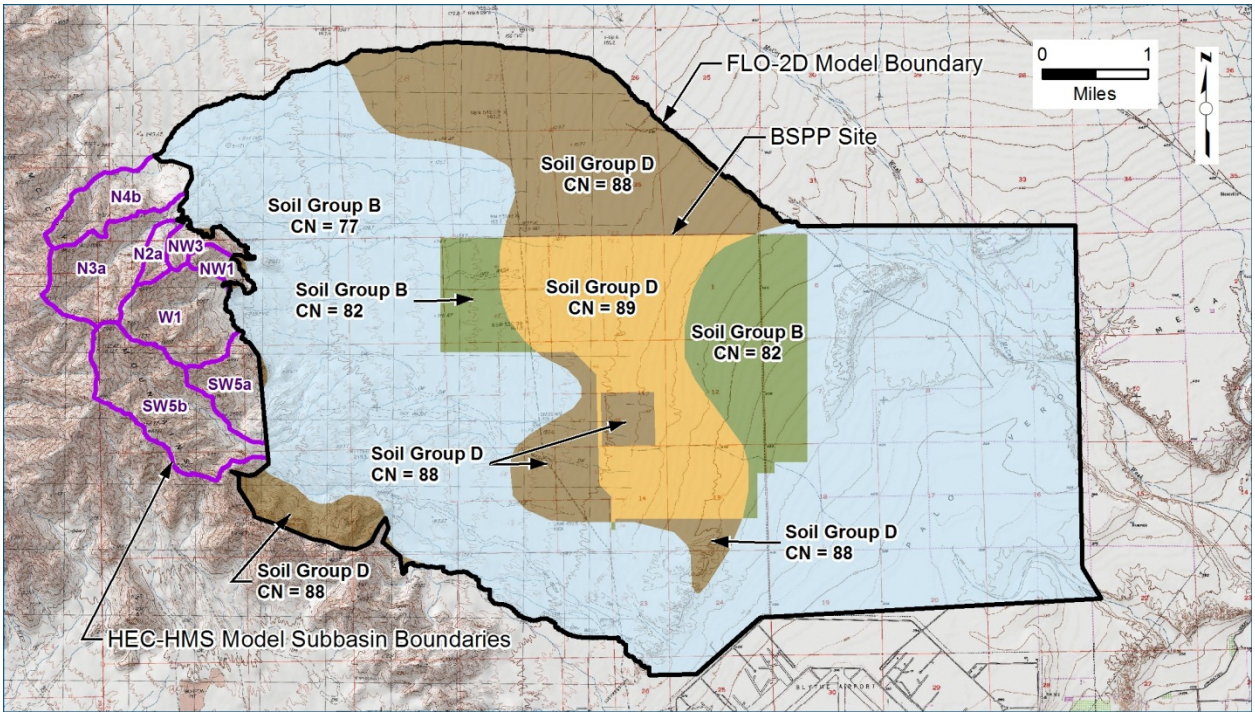


Figure 10: Post-Development (All Units) SCS Curve Number Values

2.3.4 Surface Abstraction

Surface abstraction refers to the amount of water lost to depression storage, evaporation, and interception during a hydrologic event. FLO-2D accounts for surface abstraction with the user defined variable TOLER. A TOLER value of 0.025 ft, representing *Natural Desert and Rangeland Surface Cover*[8], was specified for all model scenarios.

No changes in surface abstraction are assumed occur between the pre- and post-development conditions.

2.3.5 Precipitation

The rainfall depths resulting from 10-, 25-, and 100-year (24-hour duration) precipitation events were obtained from the NOAA Atlas 14 document as reported in the Approved Project's *Revised Drainage Report for Pre-Development Hydrology and Post-Development Hydrology and Hydraulics*[9] dated August 30, 2010. Figure 11 shows precipitation frequency data for the Modified Project vicinity. It is assumed that the 24-hour duration rainfall event is spatially distributed evenly over the hydrologic (HEC-HMS) and hydraulic (FLO-2D) model extents. Precipitation was distributed temporally as a Type II storm, in accordance with the U.S. Soil Conservation Service (now NRCS) Technical Release 55 recommendation for southeastern California. Rainfall depths used for the 10-, 25-, and 100-year return periods were 2.0 inches, 2.54 inches, and 3.44 inches, respectively.

No changes in precipitation are assumed occur between the pre- and post-development conditions.

[8] Maricopa County Drainage Design Manual, 1992.

[9] Kiewit Power Engineers Co. *Revised Drainage Report for Pre-Development Hydrology and Post-Development Hydrology and Hydraulics, Blythe Solar Power Project, Riverside County, California*. Submitted to the California Energy Commission August 30, 2010.

POINT PRECIPITATION FREQUENCY ESTIMATES FROM NOAA ATLAS 14

California 33.673469 N 114.7465 W 479 feet

from "Precipitation-Frequency Atlas of the United States" NOAA Atlas 14, Volume 1, Version 4
G.M. Bonnin, D. Martin, B. Lin, T. Parzybok, M.Yekta, and D. Riley
NOAA, National Weather Service, Silver Spring, Maryland, 2006
Extracted: Mon Nov 24 2008

Precipitation Frequency Estimates (inches)

ARI* (years)	5 min	10 min	15 min	30 min	60 min	120 min	3 hr	6 hr	12 hr	24 hr	48 hr	4 day	7 day	10 day	20 day	30 day	45 day	60 day
1	0.10	0.15	0.18	0.25	0.31	0.39	0.45	0.56	0.68	0.86	0.89	0.97	1.03	1.07	1.21	1.34	1.49	1.61
2	0.14	0.21	0.26	0.35	0.44	0.54	0.62	0.77	0.94	1.14	1.17	1.28	1.36	1.41	1.60	1.77	1.98	2.15
5	0.23	0.35	0.43	0.58	0.72	0.88	0.99	1.19	1.43	1.63	1.64	1.76	1.87	1.96	2.23	2.48	2.80	3.04
10	0.31	0.47	0.58	0.78	0.96	1.17	1.30	1.53	1.82	2.00	2.02	2.14	2.25	2.38	2.71	3.00	3.39	3.69
25	0.43	0.66	0.81	1.10	1.36	1.62	1.77	2.03	2.38	2.54	2.57	2.66	2.78	2.96	3.35	3.68	4.17	4.54
50	0.55	0.83	1.03	1.39	1.72	2.03	2.18	2.46	2.85	2.98	3.01	3.07	3.19	3.42	3.86	4.20	4.76	5.19
100	0.68	1.04	1.29	1.73	2.15	2.50	2.66	2.94	3.35	**3.44**	3.48	3.50	3.62	3.90	4.38	4.73	5.36	5.85
200	0.85	1.29	1.60	2.15	2.66	3.06	3.21	3.48	3.90	3.94	3.98	4.02	4.07	4.41	4.92	5.27	5.96	6.52
500	1.11	1.69	2.09	2.82	3.49	3.92	4.08	4.32	4.74	4.79	4.83	4.88	4.93	5.10	5.65	5.99	6.76	7.40
1000	1.35	2.06	2.56	3.44	4.26	4.72	4.86	5.07	5.49	5.54	5.60	5.66	5.71	5.77	6.22	6.55	7.37	8.07

* These precipitation frequency estimates are based on a partial duration series. **ARI** is the Average Recurrence Interval.
Please refer to NOAA Atlas 14 Document for more information. NOTE: Formatting forces estimates near zero to appear as zero.

Figure 11: Precipitation Frequency Estimates for the BSPP Vicinity (from Kiewit, 2010[9]).

3. RESULTS

3.1 HEC-HMS Results

Hydrographs resulting from HEC-HMS modeling of the up-slope tributary basins for the 10-, 25-, and 100-year hydrologic events are presented in Figures 12, 13, and 14, respectively. These hydrographs were used as inputs along the western (upstream) boundary of the FLO-2D model. Inflow hydrograph labels correspond to the HEC-HMS sub-basins shown in Figure 3.

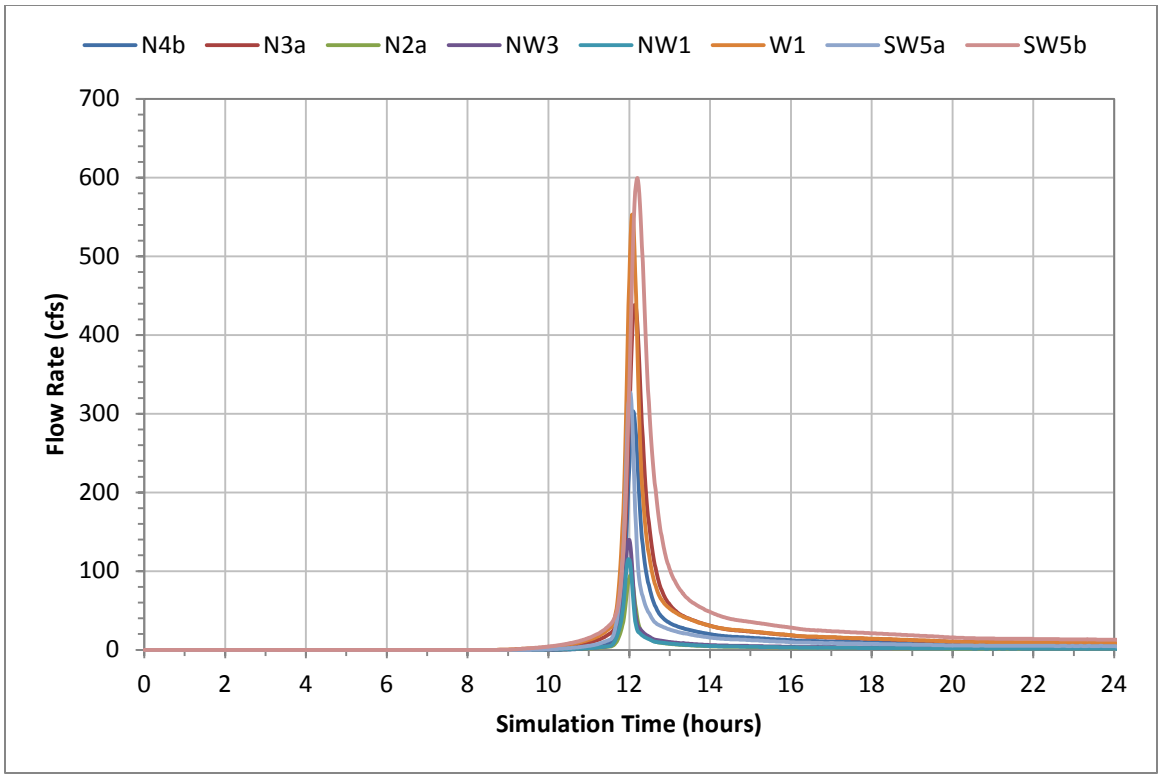


Figure 12: Offsite Hydrographs Resulting from 10-Year Hydrologic Event

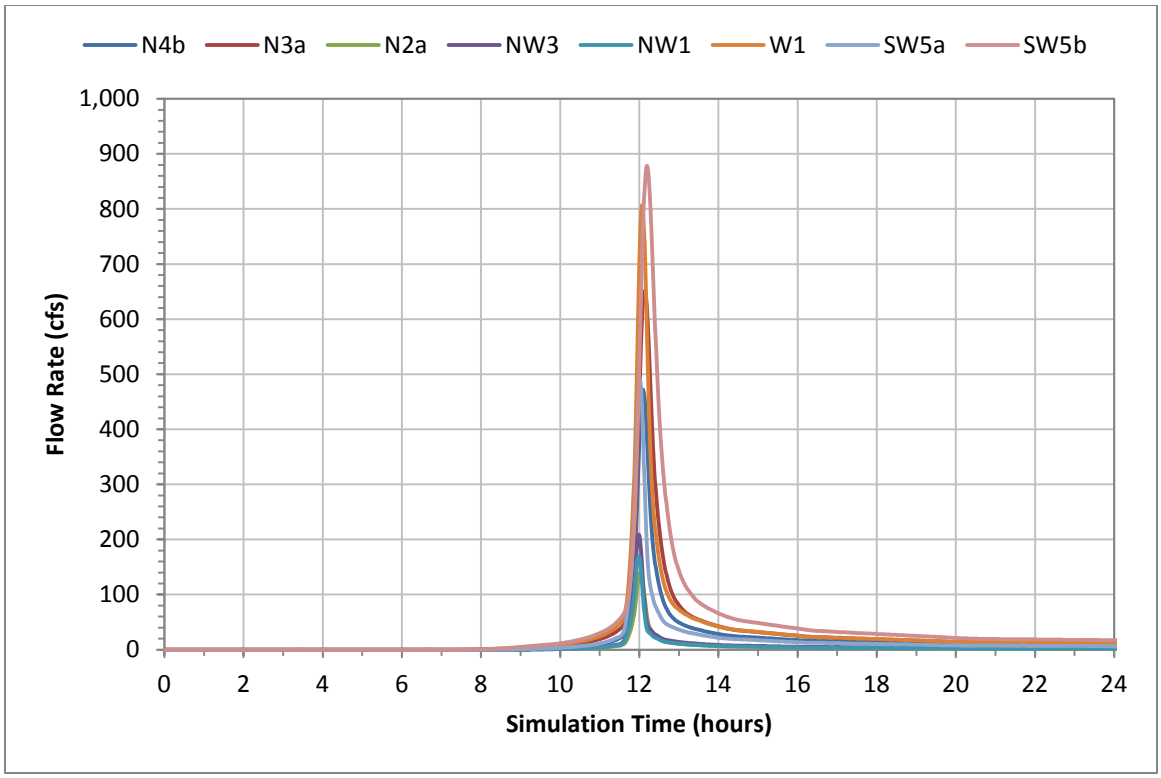


Figure 13: Offsite Hydrographs Resulting from 25-Year Hydrologic Event

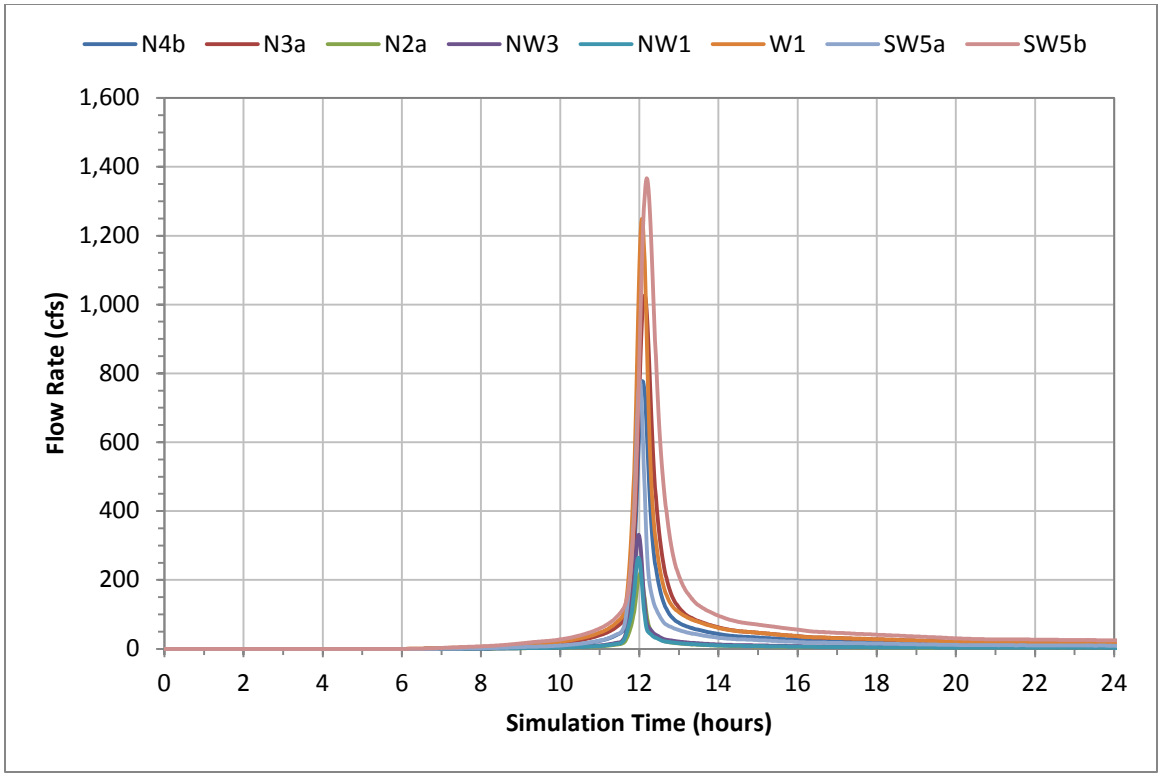


Figure 14: Offsite Hydrographs Resulting from 100-Year Hydrologic Event

Table 2 provides a summary of the HEC-HMS model results for each of the up-slope basins, including peak flow rate, time to peak, and total inflow volume for the 10-, 25-, and 100-year events.

Table 2: HEC-HMS Offsite Basin Model Results Summary

	10-Year Event			25-Year Event			100-Year Event		
Basin	Peak Flow Rate (cfs)	Time to Peak (hrs)	Total Volume (Ac-Ft)	Peak Flow Rate (cfs)	Time to Peak (hrs)	Total Volume (ac-ft)	Peak Flow Rate (cfs)	Time to Peak (hrs)	Total Volume (ac-ft)
N4b	303	12:06	22.8	472	12:06	34.9	777	12:05	57
N3a	438	12:08	36.5	651	12:08	53.8	1,027	12:08	84.8
N2a	95	12:02	5.8	140	12:02	8.6	219	12:01	13.6
NW3	140	11:59	7.8	209	11:59	11.6	331	11:59	18.5
NW1	115	11:59	6.3	170	11:59	9.3	265	11:59	14.7
W1	553	12:05	38.9	807	12:04	56.6	1,249	12:04	88.2
SW5a	328	12:01	19.6	491	12:01	29.3	778	12:01	46.7
SW5b	599	12:12	56.6	878	12:12	82.3	1,367	12:11	128.2

3.2 FLO-2D Results

Pre-development flow patterns on the site generally trend from west to east with a slight crescent pattern across the site. The crescent pattern is described by a minor change in flow direction from east at the western BSPP site boundary to southeast at the eastern BSPP site boundary.

Simulated post-development flow patterns on the BSPP site are very similar to those shown for the pre-development conditions. Slight changes are noted along the north-south fence-lines and along the paved access road alignment where the proposed fencing and access road create a minor backwatering effect on flows.

Simulated post-development flow patterns downstream of the BSPP site are also very similar to those shown for the pre-development conditions. For the development of all units scenario under the 100-year storm event, slight increases in maximum flow depth of approximately 0.1 to 0.2 feet are noted near the southeast corner of the FLO-2D model domain where flows tend to be concentrated prior to descending from the Mesa. No other material changes to maximum flow depth or maximum flow velocity were noted downstream of the BSPP site.

Tables 3, 4, and 5 provide a summary of peak flow rate at each of the seven flow analysis cross-sections (shown in Figure 5) under the three model scenarios, for the 10- and 100-year storm events, respectively. Tables 6, 7, and 8 provide a summary of total flow volume at each of the

flow analysis cross-sections under the three model scenarios, for the 10- and 100-year storm events, respectively.

Table 3: Peak Flow Rate (CFS) at Flow Analysis Cross-Sections for 10-Year Event

	Pre-Development	Post-Development (Unit 1)	Change (Unit 1 – Pre)	Post Development (All Units)	Change (All Units – Pre)
XS-1	119.3	119.3	0.0	129.2	9.9
XS-2	175.8	177.8	2.0	190.9	15.1
XS-3	205.2	212.2	7.0	223.8	18.6
XS-4	108.3	112.2	3.9	113.0	4.7
XS-5	135.4	136.3	0.9	147.0	11.6
XS-6	1.8	1.8	0.0	1.6	-0.2
XS-7	4.3	4.4	0.1	4.2	-0.1

Table 4: Peak Flow Rate (CFS) at Flow Analysis Cross-Sections for 25-Year Event

	Pre-Development	Post-Development (Unit 1)	Change (Unit 1 – Pre)	Post Development (All Units)	Change (All Units – Pre)
XS-1	295.9	299.1	3.2	311.9	16.0
XS-2	412.1	414.9	2.8	432.1	20.0
XS-3	471.6	470.8	-0.8	499.1	27.5
XS-4	264.0	269.1	5.1	272.6	8.6
XS-5	306.7	308.6	1.9	317.1	10.4
XS-6	4.1	4.1	0.0	4.1	0.0
XS-7	18.0	17.8	-0.2	18.1	0.1

Table 5: Peak Flow Rate (CFS) at Flow Analysis Cross-Sections for 100-Year Event

	Pre-Development	Post-Development (Unit 1)	Change (Unit 1 – Pre)	Post Development (All Units)	Change (All Units – Pre)
XS-1	613.8	623.3	9.5	638.6	24.8
XS-2	844.1	859.4	15.3	898.7	54.6
XS-3	1149.4	1174.3	24.9	1212.1	62.7
XS-4	617.2	624.6	7.4	559.9	-57.3
XS-5	909.7	913.6	3.9	911.3	1.6
XS-6	10.7	10.7	0.0	10.6	-0.1
XS-7	48.6	48.6	0.0	48.9	0.3

Table 6: Total Outflow Volume (AF) at Flow Analysis Cross-Sections for 10-Year Event

	Pre-Development	Post-Development (Unit 1)	Change (Unit 1 – Pre)	Post Development (All Units)	Change (All Units – Pre)
XS-1	407.3	415.7	8.4	445.0	37.7
XS-2	511.9	519.8	7.9	522.3	10.4
XS-3	573.9	582.3	8.6	615.7	41.8
XS-4	152.6	153.7	1.1	156.7	4.1
XS-5	400.9	409.5	8.6	438.1	37.2
XS-6	0.8	0.8	0.0	0.8	0.0
XS-7	4.9	4.9	0.0	5.0	0.1

Table 7: Total Outflow Volume (AF) at Flow Analysis Cross-Sections for 25-Year Event

	Pre-Development	Post-Development (Unit 1)	Change (Unit 1 – Pre)	Post Development (All Units)	Change (All Units – Pre)
XS-1	853.3	863.7	10.4	900.9	47.6
XS-2	1016.9	1026.2	9.3	1067.5	50.6
XS-3	1077.8	1088.3	10.5	1130.6	52.8
XS-4	282.4	284.7	2.3	288.0	5.6
XS-5	754.0	764.6	10.6	801.0	47.0
XS-6	2.3	2.3	0.0	2.3	0.0
XS-7	16.0	16.0	0.0	16.0	0.0

Table 8: Total Outflow Volume (AF) at Flow Analysis Cross-Sections for 100-Year Event

	Pre-Development	Post-Development (Unit 1)	Change (Unit 1 – Pre)	Post Development (All Units)	Change (All Units – Pre)
XS-1	1598.4	1609.8	11.4	1652.4	54.0
XS-2	1966.8	1978.6	11.8	2033.7	66.9
XS-3	2014.3	2027.3	13.0	2083.3	69.0
XS-4	521.9	525.9	4.0	510.3	-11.4
XS-5	1416.6	1430.3	13.7	1467.2	50.6
XS-6	5.1	5.1	0.0	5.1	0.0
XS-7	38.1	38.1	0.0	38.1	0.0

Plots showing hydrographs for each of the flow analysis cross-sections under the three model scenarios, for the 10-, 25-, and 100-year storm events are presented in Appendices D, E, and F, respectively.

FLO-2D provides, as an output, volumetric mass balance of water inflows, losses, retention, and outflows represented by the following five components:

A. Off-Site Surface Water Inflow (input from HEC-HMS model).

B. On-Site Precipitation Inflow.

C. On-Site Initial Abstraction and Infiltration Losses.

D. On-Site Watershed Storage.

E. Surface Water Outflow.

Perfect mass balance for a given simulation results in A + B - C - D = E. Mass balance results for each of the model scenarios are presented in Tables 9, 10, and 11.

Table 9: FLO-2D Mass Balance Results (AF) for 10-Year Hydrologic Event

Parameter	Row	Pre-Development	Unit 1		All Units	
		Volume	Volume	Change	Volume	Change
Off-Site SW Inflow	A	194.6	194.6	0.0	194.6	0.0
On-Site Precip. Inflow	B	3687.8	3687.8	0.0	3687.8	0.0
On-Site Initial Ab. and Infil. Loss	C	2594.9	2586.1	-8.8	2552.6	-42.3
On-Site Watershed Storage	D	642.7	643.3	0.6	643.3	0.6
Surface Water Outflow	E	644.8	653.1	8.3	686.6	41.8
Residual		**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Table 10: FLO-2D Mass Balance Results (AF) for 25-Year Hydrologic Event

Parameter	Row	Pre-Development	Unit 1		All Units	
		Volume	Volume	Change	Volume	Change
Off-Site SW Inflow	A	286.6	286.6	0.0	286.6	0.0
On-Site Precip. Inflow	B	4683.6	4683.5	-0.1	4683.6	0.1
On-Site Initial Ab. and Infil. Loss	C	2936.8	2925.7	-11.1	2883.1	-53.7
On-Site Watershed Storage	D	656.5	657.0	0.5	657.0	0.5
Surface Water Outflow	E	1376.9	1387.4	10.5	1430.2	53.3
Residual		**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Table 11: FLO-2D Mass Balance Results (AF) for 100-Year Hydrologic Event

Parameter	Row	Pre-Development	Unit 1		All Units	
		Volume	Volume	Change	Volume	Change
Off-Site SW Inflow	A	452.0	452.0	0.0	452.0	0.0
On-Site Precip. Inflow	B	6343.1	6343.1	0.0	6343.0	-0.1
On-Site Initial Ab. and Infil. Loss	C	3360.2	3346.3	-13.9	3291.0	-69.2
On-Site Watershed Storage	D	660.4	660.8	0.4	660.9	0.5
Surface Water Outflow	E	2774.5	2788.0	13.5	2843.1	68.6
Residual		**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Maps showing the spatial distribution of maximum flow velocity, maximum flow depth, and the changes in these parameters resulting from development of the Modified Project for the 10-, 25-, and 100-year storm events are presented in Appendices A, B, and C, respectively. Table 12 provides a guide to the organization of these appendices.

Table 12: Appendix Map Matrix

Map Type	10-Year Event		25-Year Event		100-Year Event	
	Velocity	Depth	Velocity	Depth	Velocity	Depth
Pre-Development	A1	A6	B1	B6	C1	C6
Post-Development (Unit 1)	A2	A7	B2	B7	C2	C7
Change (Unit 1 – Pre)	A3	A8	B3	B8	C3	C8
Post-Development (All Units)	A4	A9	B4	B9	C4	C9
Absolute Change (All Units – Pre)	A5	A10	B5	B10	C5	C10

Noteworthy findings from the maps showing change between pre- and post-development conditions are summarized as follows:

- Figures A3, B3, and C3: 10-, 25-, and 100-Year Storm Events – Max. Velocity – Unit 1: Changes in maximum velocity are limited to small areas, particularly for the 10- and 25-year storms. Small changes in maximum velocity (0.1 - 0.2 fps), both increases and decreases, exist for the 10-year storm in the southwest corner of the Modified Project site (Figure A3). The 25-year storm indicates slight decreases in the southwest corner of the Modified Project site and small increases on the interior of the Modified Project site. Additionally, the 25-year storm shows very slight decreases (0.05 - 0.1 fps) in the southeast corner of the model boundary (Figure B3). The 100-year storm shows more widespread (but small) changes in maximum velocity, particularly on the interior of the Modified Project site and in the southeast area of the model boundary, with changes ranging from 0.05 - 0.2 fps.
- Figures A5, B5, and C5: 10-, 25-, and 100-Year Storm Events – Max Velocity – All Units: Small increases in maximum velocity (0.1 - 0.2 fps) are noted for all three storm events at limited locations within the Modified Project site and toward the southwest model boundary. Slight decreases in maximum velocity are also noted near the southwest corner of the model boundary for the 100-year storm (Figure C5). Increases in maximum velocity ranging from 0.1 - 0.2 fps are also observed for the 100-year storm along the southern and eastern boundaries of the Modified Project site.

- Figures A8, B8, and C8: 10-, 25-, and 100-Year Storm Events – Max Depth – Unit 1: Aside from 0.05 - 0.2 ft decreases in maximum flow depth in the southwest corner of the Modified Project site (Figures A8 and B8), very few changes in maximum flow depth are observed in the 10- and 25-year storm events for the Unit 1 development scenario. Under the 100-year storm event, very small areas in the southwest corner of the Modified Project site, the northeast corner of Unit 1, and to the southeast of the Modified Project site showed slight to moderate decreases in maximum flow depth (0.1 - 0.4 ft) (Figure C8).
- Figures A10, B10, and C10: 10, 25, and 100-Year Storm Events – Max Depth – All Units: Under the 10-year storm event, a few areas showed a small decrease in maximum depth (0.05 - 0.2 ft) just to the southeast of the Modified Project site. Additionally, a small area of slight maximum flow depth increases (0.1 - 0.2 ft) occurred near the southeast corner of the model boundary (Figure A10). The primary maximum flow depth changes in the 25-year storm were small increases (0.1 – 0.2 ft) in the southeastern corner of the model boundary. There were also isolated slight increases and decreases inside the Modified Project site (Figure B10). The 100-year storm event showed moderate (0.3 - 0.4 ft) maximum flow depth decreases along the southern and eastern boundaries of the Modified Project site with adjacent small increases in maximum flow depth (0.1 - 0.2 ft) in the same areas (Figure C10). There were also slight maximum flow depth increases in the southeast section of the model boundary.

Findings noted in the list above are consistent with the changes in flow characteristics observed in the flow analysis cross-sections.

4. CONCLUSIONS

Post-development flow conditions at and downstream of the Modified Project site are generally similar to the pre-development conditions, with some areas showing small increases in flow, and some areas showing small decreases in flow. Changes to flow patterns resulting from development of the BSPP site primarily consist of minor rerouting of flow within the Modified Project site resulting from development-related changes in interior surface roughness and construction of the access road and fencing. As illustrated in Tables 3 through 8 and on the maps showing changes between pre- and post-development conditions in Appendices A, B, and C; the changes to flow patterns downstream of the Modified Project site are limited to minor changes in peak flow rate, total outflow volume, maximum flow depth, and maximum velocity. The following list summarizes the simulated changes to the key hydraulic metrics related to surface water runoff resulting from development of the Modified Project:

1) The maximum simulated **increase in peak flow rate** at the flow analysis cross-sections was **+18.6 cfs**, **+27.5 cfs**, and **+62.7 cfs** for the 10-, 25-, and 100-year storm events, respectively (XS-3).

2) The maximum simulated **increase in outflow volume** at the flow analysis cross-sections was **+41.8 AF**, **+52.8 AF**, and **+69.0 AF** for the 10-, 25-, and 100-year storm events, respectively (XS-3).

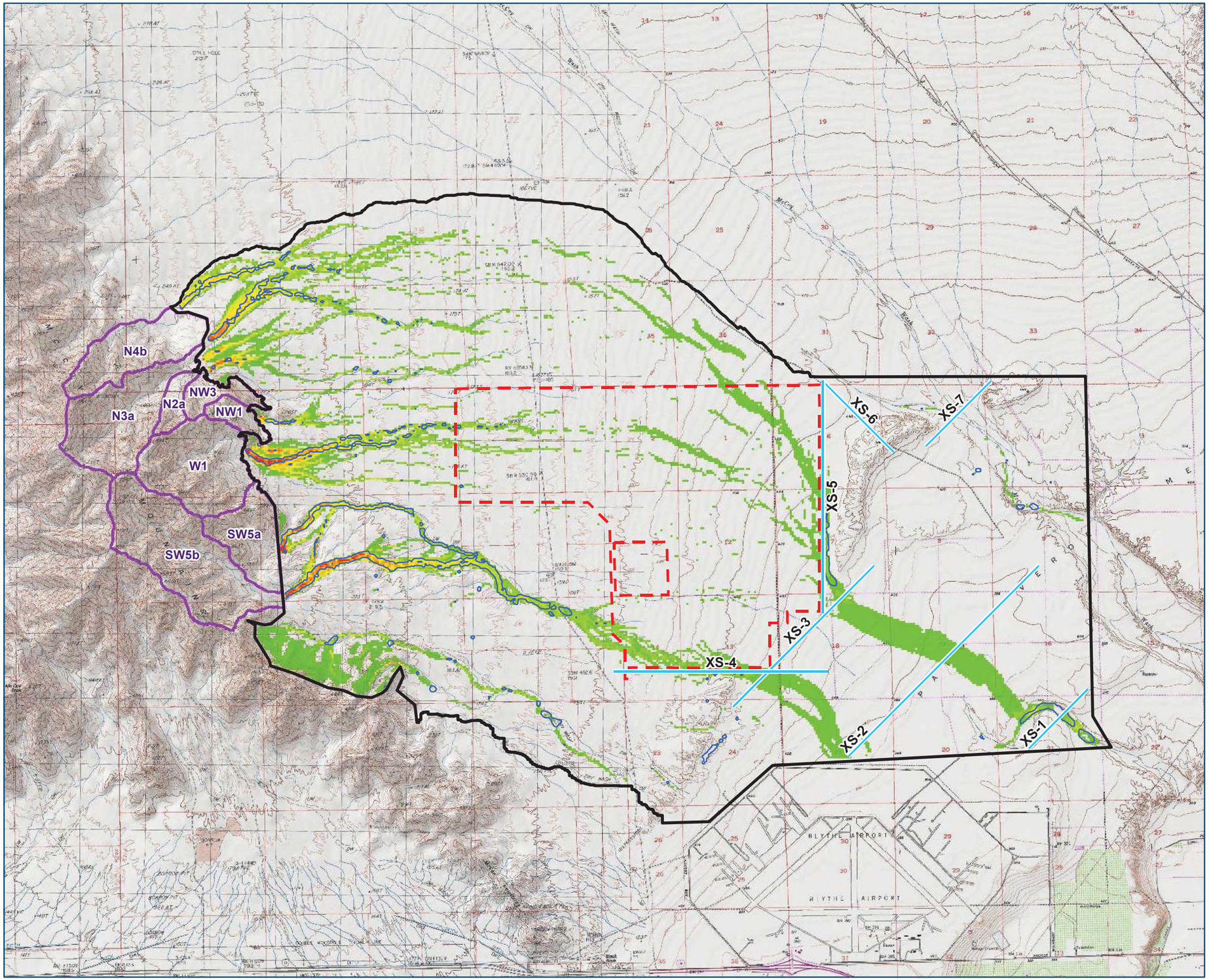
3) The maximum simulated **change in maximum velocity** downstream of the Modified Project site was **+/-0.3 fps**, which occurred under the development of all Units scenario. Changes to maximum velocities within the Modified Project site were similar in magnitude to those downstream of the site.

4) The maximum simulated **change in maximum flow depth** within the model domain was **+/-0.4 feet**, which occurred under the development of all Units scenario under the 100-year storm event. The majority of simulated changes in maximum flow depth (where changes are shown to occur) generally do not exceed ±0.2 feet (±2 inches) within and downstream of the site. Changes to maximum flow depths within the Modified Project site were similar in magnitude to those downstream of the site.

The anticipated changes to flow characteristics described above are considered to be very minor, and demonstrate that the Modified Project will not materially impact the drainage conditions associated with the 10-, 25-, or 100-year precipitation events within, or down-slope of the Modified Project site boundary.

APPENDIX A

10-year Storm Event Pre/Post-Development Hydrology
Maximum Velocity, Maximum Flow Depth, and Change Maps



Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE A1
10-YEAR STORM EVENT
MAX VELOCITY
PRE-DEVELOPMENT

Legend

- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow*
- Flow Analysis Cross Sections

Velocity (feet/second)

- 0.00 - 0.25
- 0.26 - 0.50
- 0.51 - 0.75
- 0.76 - 1.00
- 1.01 - 1.25
- 1.26 - 1.50
- 1.51 - 1.75
- 1.76 - 2.00
- 2.01 - 2.25
- > 2.25

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

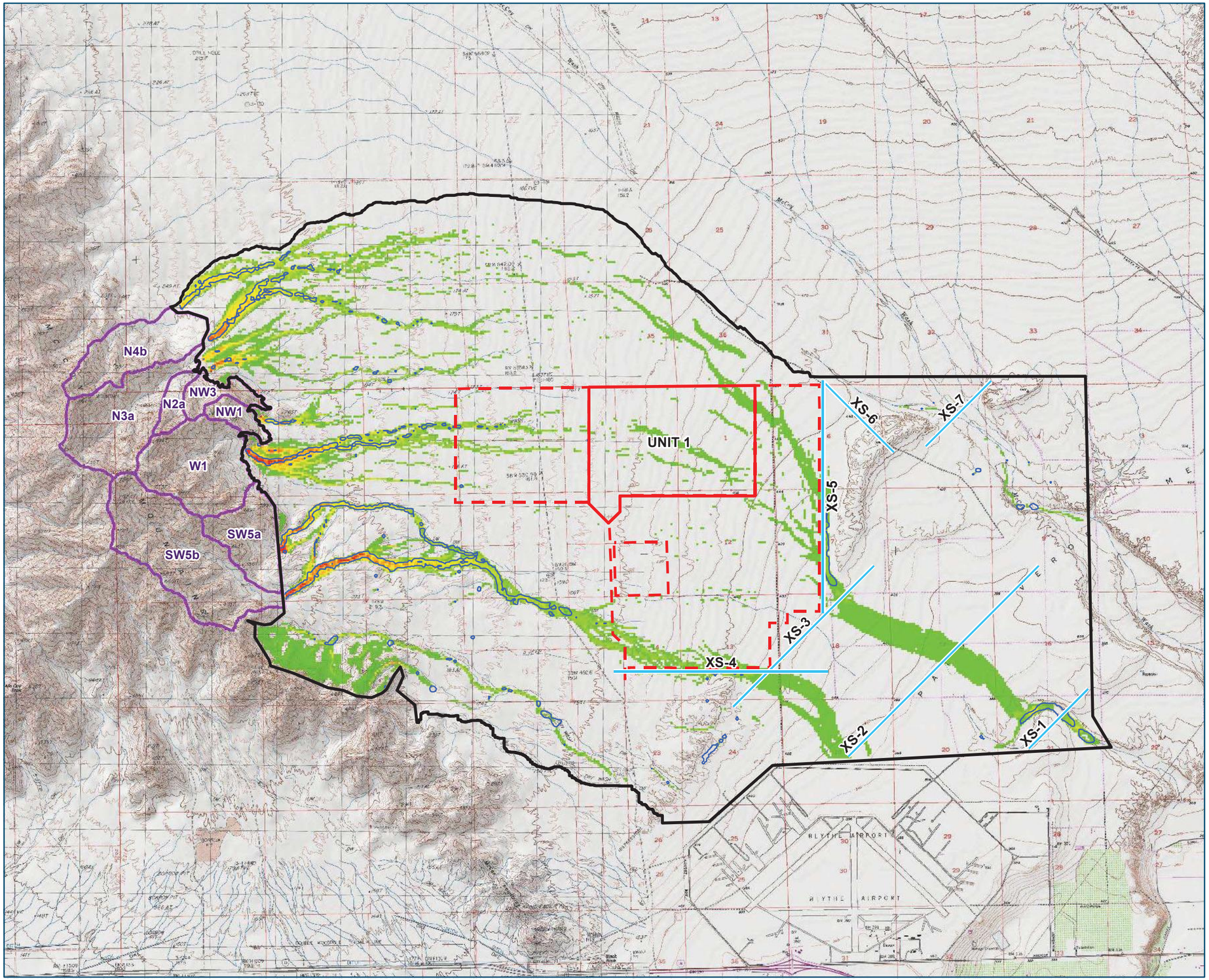
0 5,000 10,000 Feet

N

PROJECT LOCATOR MAP

File Name: Fig_A1_Velocity_Pre_10yr
MXD File Path: NextEra\60280294_Blythe\GIS\Layouts\BSPP
PDF File Path: NextEra\60280294_Blythe\GIS\Maps\BSPP
Date Modified: March 29, 2013
Projection: NAD 1983 State Plane, California VI, Feet
Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
AECOM



Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE A2
10-YEAR STORM EVENT
MAX VELOCITY
POST-DEVELOPMENT (UNIT 1)

Legend

- BSPP Unit 1 Boundary
- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow*
- Flow Analysis Cross Sections

Velocity (feet/second)

- 0.00 - 0.25
- 0.26 - 0.50
- 0.51 - 0.75
- 0.76 - 1.00
- 1.01 - 1.25
- 1.26 - 1.50
- 1.51 - 1.75
- 1.76 - 2.00
- 2.01 - 2.25
- > 2.25

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

0 5,000 10,000 Feet

N

PROJECT LOCATOR MAP

File Name: Fig_A2_Velocity_U1Post_10yr
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Projection: NAD 1983 State Plane, California VI, Feet
Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
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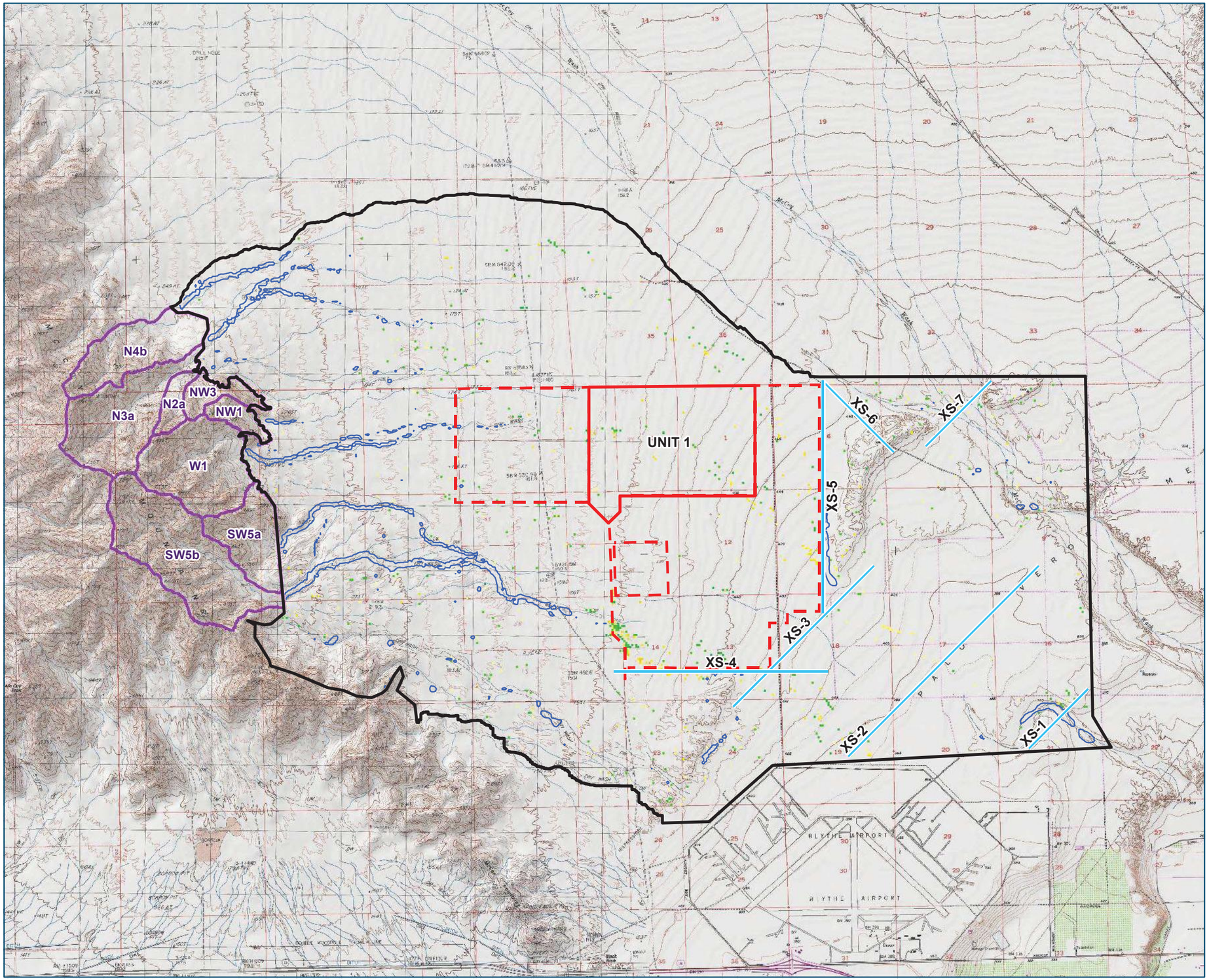

Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE A3
10-YEAR STORM EVENT
CHANGE IN MAX VELOCITY
POST - PRE (UNIT 1)

Legend

- BSPP Unit 1 Boundary
- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow (Post-Development)*
- Flow Analysis Cross Sections

Change in Max Velocity (feet/second)

> 0.7	-0.1 - -0.05
0.6 - 0.7	-0.2 - -0.1
0.5 - 0.6	-0.3 - -0.2
0.4 - 0.5	-0.4 - -0.3
0.3 - 0.4	-0.5 - -0.4
0.2 - 0.3	-0.6 - -0.5
0.1 - 0.2	-0.7 - -0.6
0.05 - 0.1	< -0.7
-0.05 - 0.05	

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

0 5,000 10,000 Feet

N

PROJECT LOCATOR MAP

File Name: Fig_A3_Velocity_U1Delta_10yr
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Projection: NAD 1983 State Plane, California VI, Feet
Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
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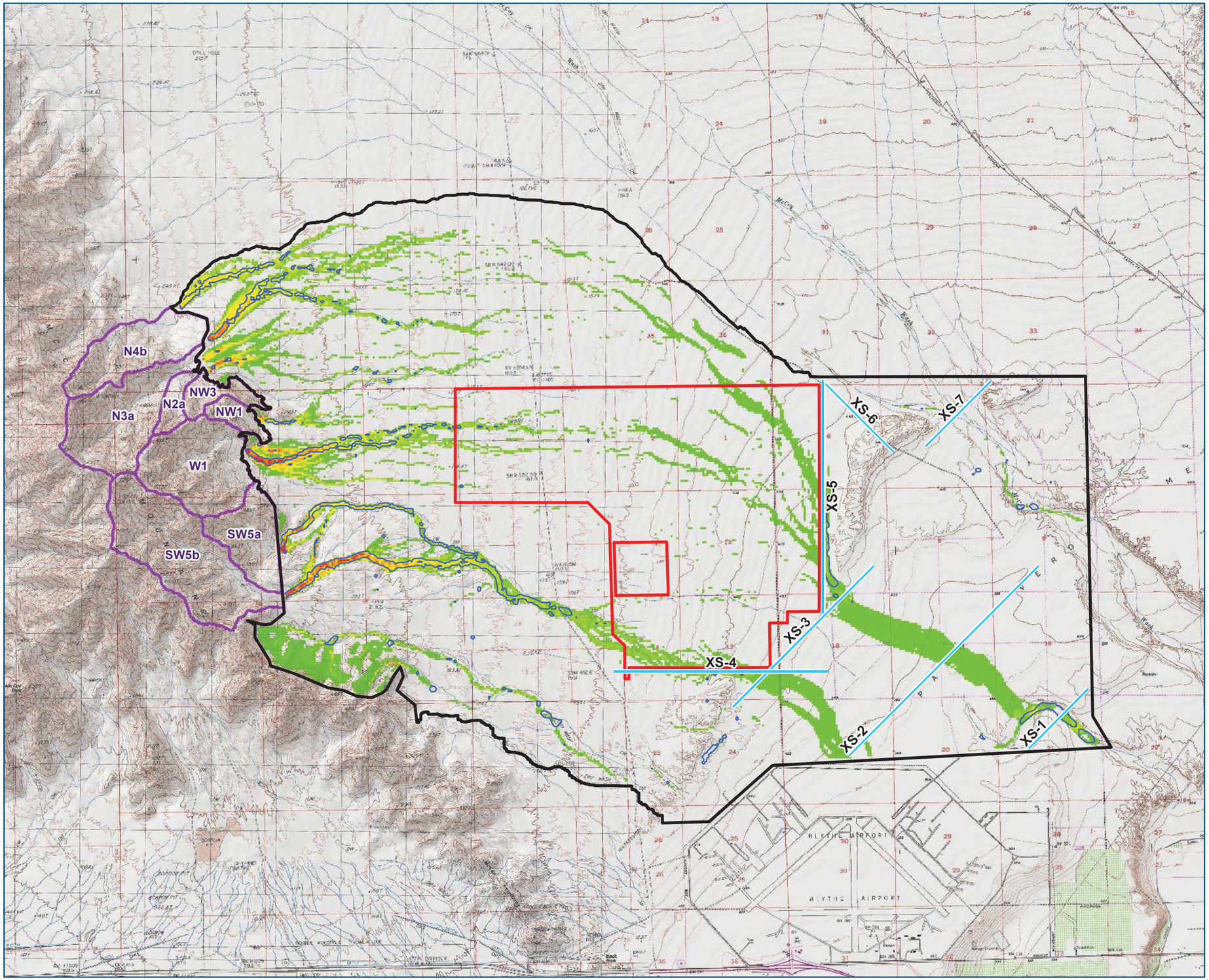

Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE A4
10-YEAR STORM EVENT
MAX VELOCITY
POST-DEVELOPMENT (ALL UNITS)

Legend

- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow*
- Flow Analysis Cross Sections

Velocity (feet/second)

- 0.00 - 0.25
- 0.26 - 0.50
- 0.51 - 0.75
- 0.76 - 1.00
- 1.01 - 1.25
- 1.26 - 1.50
- 1.51 - 1.75
- 1.76 - 2.00
- 2.01 - 2.25
- > 2.25

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

0 5,000 10,000 Feet

N

PROJECT LOCATOR MAP

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Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
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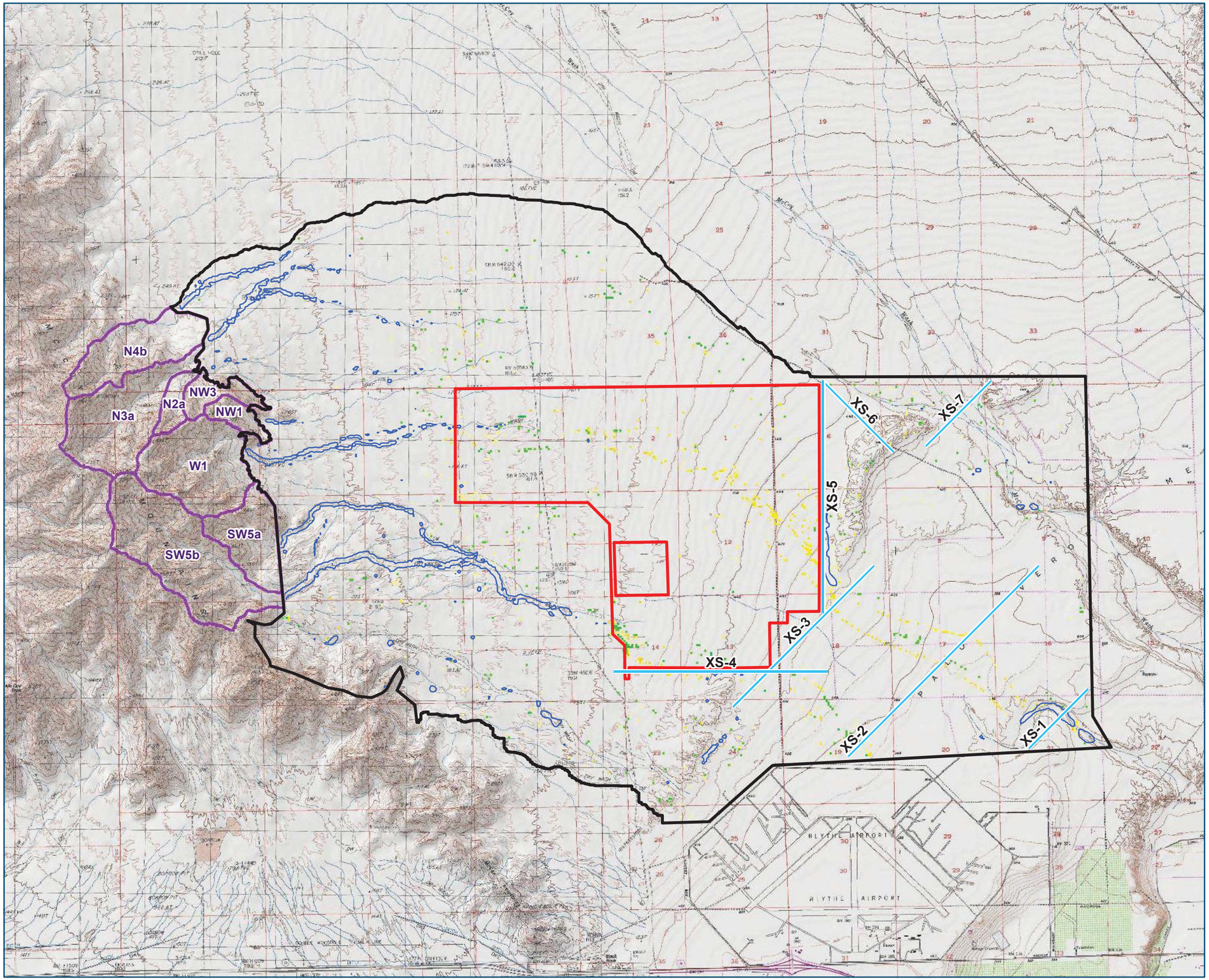

Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE A5
10-YEAR STORM EVENT
CHANGE IN MAX VELOCITY
POST - PRE (ALL UNITS)

Legend

- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow (Post-Development)*
- Flow Analysis Cross Sections

Change in Max Velocity (feet/second)

- > 0.7
- 0.6 - 0.7
- 0.5 - 0.6
- 0.4 - 0.5
- 0.3 - 0.4
- 0.2 - 0.3
- 0.1 - 0.2
- 0.05 - 0.1
- -0.05 - 0.05
- -0.1 - -0.05
- -0.2 - -0.1
- -0.3 - -0.2
- -0.4 - -0.3
- -0.5 - -0.4
- -0.6 - -0.5
- -0.7 - -0.6
- < -0.7

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

0 5,000 10,000 Feet

N

PROJECT LOCATOR MAP

File Name: Fig_A5_Velocity_Delta_10yr
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Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
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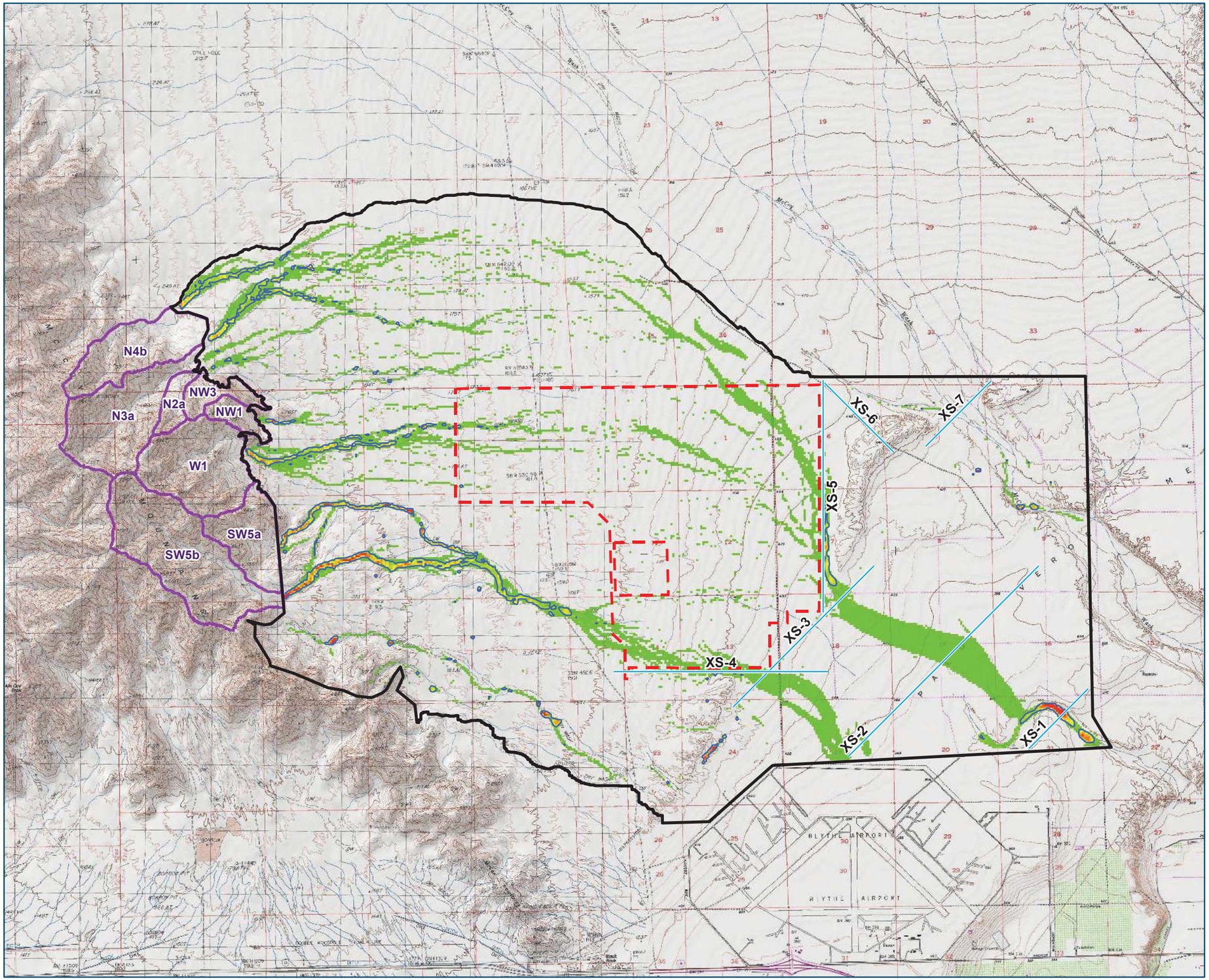

Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE A6
10-YEAR STORM EVENT
MAX FLOW DEPTH
PRE-DEVELOPMENT

Legend

- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow*
- Flow Analysis Cross Sections

Flow Depth (feet)

0.0 - 0.2	1.1 - 1.2
0.3 - 0.4	1.3 - 1.4
0.5 - 0.6	1.5 - 1.6
0.7 - 0.8	1.7 - 1.8
0.8 - 0.9	1.9 - 2.0
0.9 - 1.0	> 2.0

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

0 5,000 10,000 Feet

N

PROJECT LOCATOR MAP

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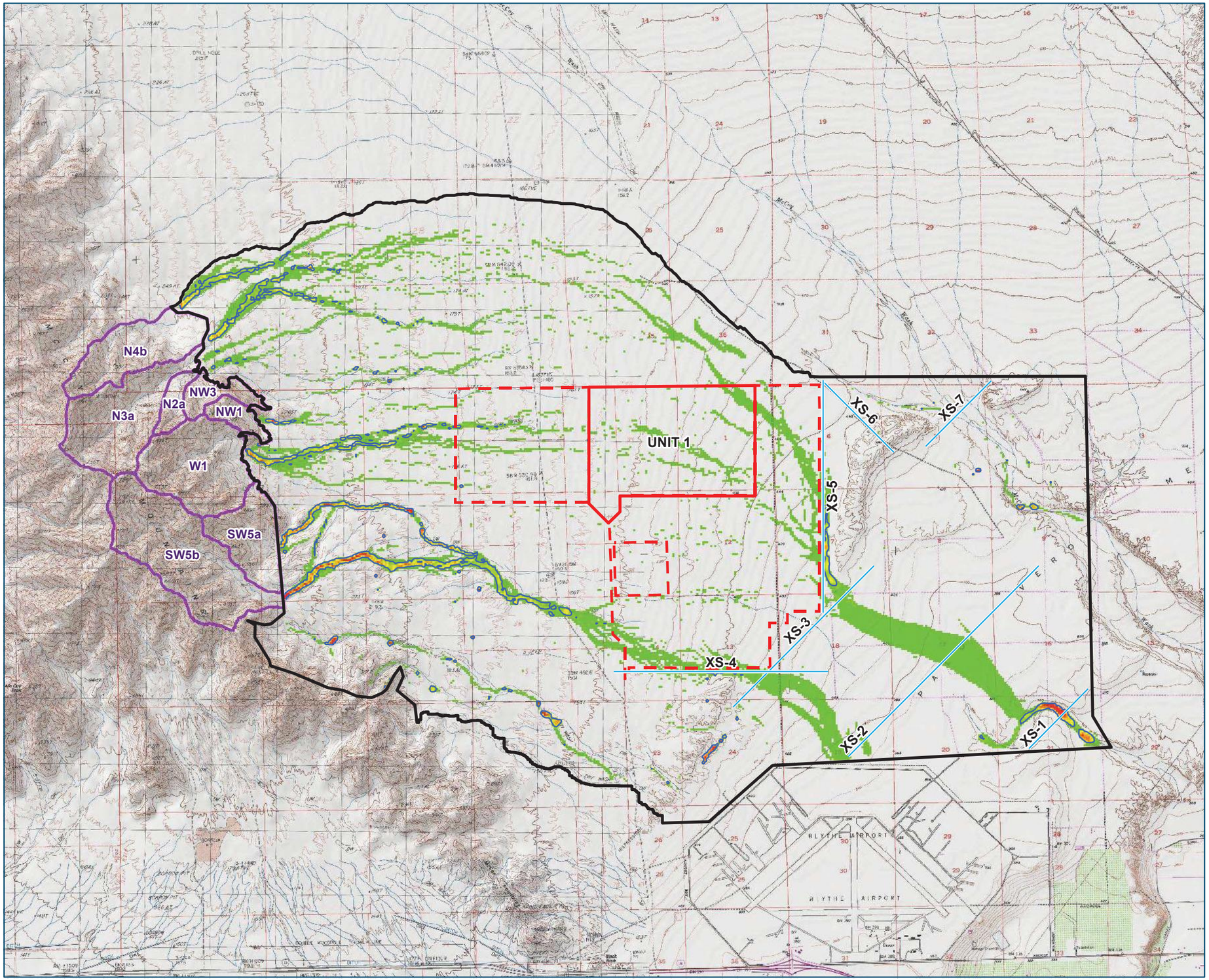
Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
AECOM



Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE A7
10-YEAR STORM EVENT
MAX FLOW DEPTH
POST-DEVELOPMENT (UNIT 1)

Legend

- BSPP Unit 1 Boundary
- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow*
- Flow Analysis Cross Sections

Flow Depth (feet)

0.0 - 0.2	1.1 - 1.2
0.3 - 0.4	1.3 - 1.4
0.5 - 0.6	1.5 - 1.6
0.7 - 0.8	1.7 - 1.8
0.8 - 0.9	1.9 - 2.0
0.9 - 1.0	> 2.0

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

0 5,000 10,000 Feet

N

PROJECT LOCATOR MAP

File Name: Fig_A7_Depth_U1Post_10yr
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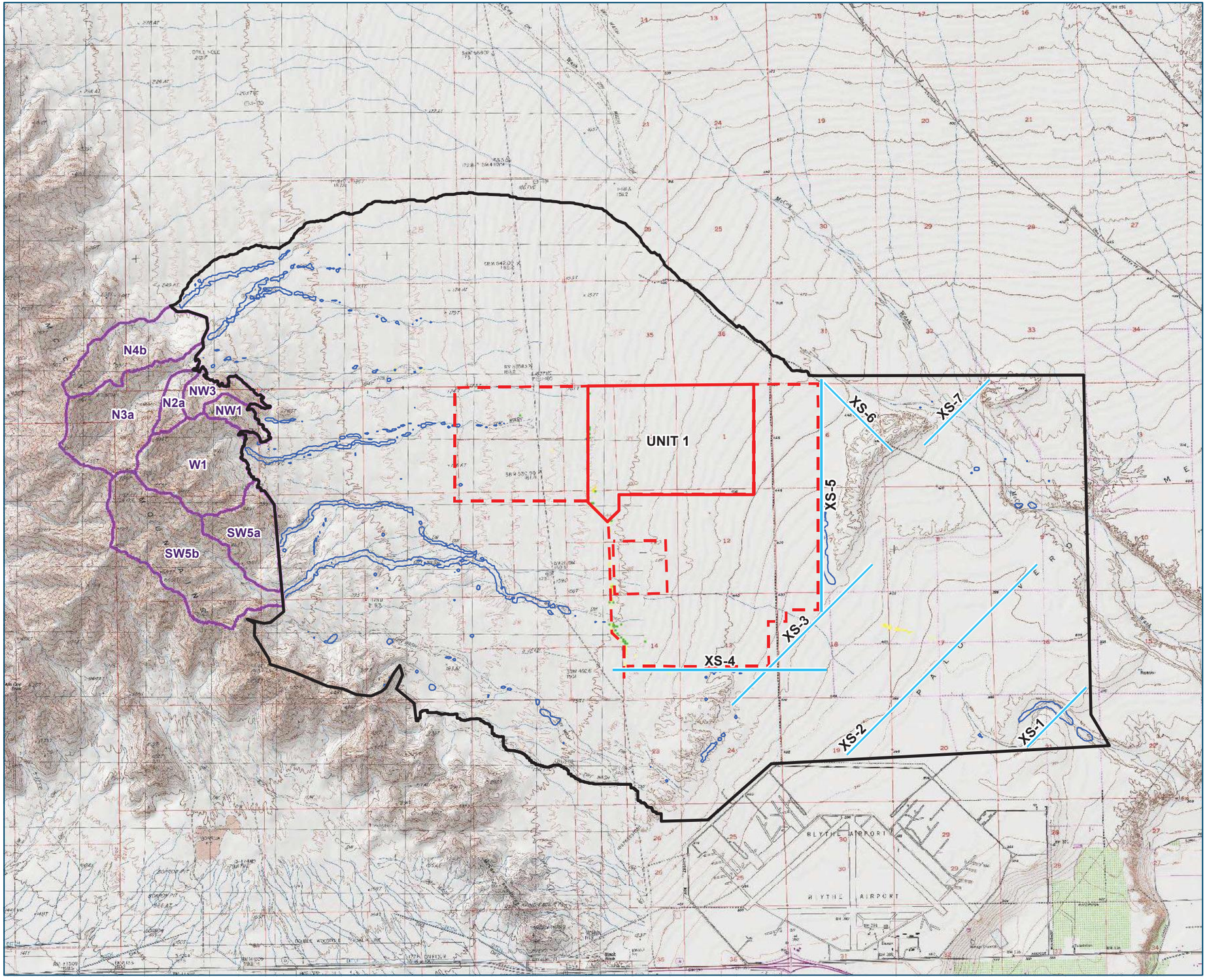
Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
AECOM



Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE A8
10-YEAR STORM EVENT
CHANGE IN MAX FLOW DEPTH
POST - PRE (UNIT 1)

Legend

- BSPP Unit 1 Boundary
- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow (Post-Development)*
- Flow Analysis Cross Sections

Change in Max Flow Depth (feet)

> 0.7	-0.1 - -0.05
0.6 - 0.7	-0.2 - -0.1
0.5 - 0.6	-0.3 - -0.2
0.4 - 0.5	-0.4 - -0.3
0.3 - 0.4	-0.5 - -0.4
0.2 - 0.3	-0.6 - -0.5
0.1 - 0.2	-0.7 - -0.6
0.05 - 0.1	< -0.7
-0.05 - 0.05	

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

0 5,000 10,000 Feet

N

PROJECT LOCATOR MAP

File Name: Fig_A8_Depth_U1Delta_10yr
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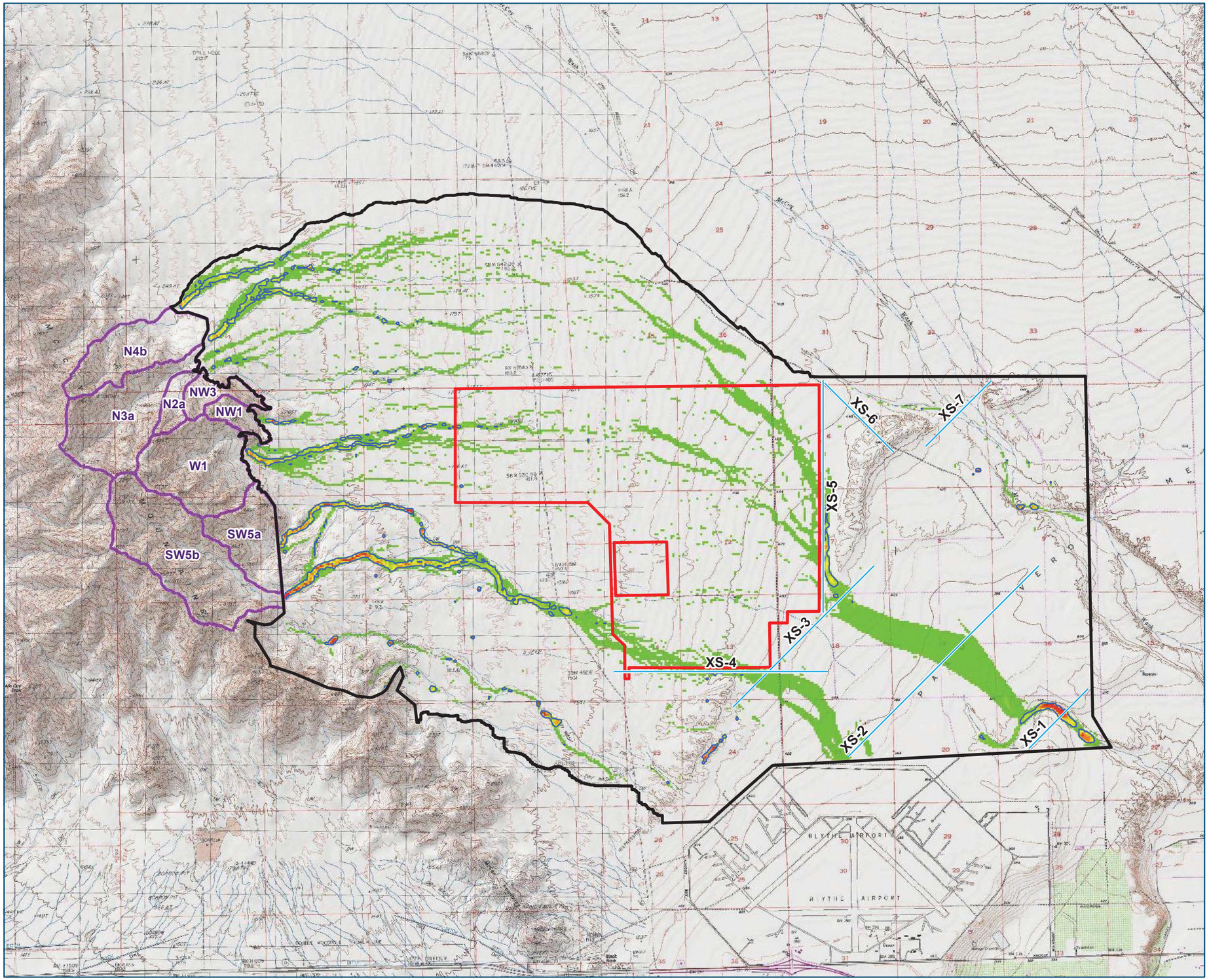
Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
AECOM



Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE A9
10-YEAR STORM EVENT
MAX FLOW DEPTH
POST-DEVELOPMENT (ALL UNITS)

Legend

- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow*
- Flow Analysis Cross Sections

Flow Depth (feet)

0.0 - 0.2	1.1 - 1.2
0.3 - 0.4	1.3 - 1.4
0.5 - 0.6	1.5 - 1.6
0.7 - 0.8	1.7 - 1.8
0.8 - 0.9	1.9 - 2.0
0.9 - 1.0	> 2.0

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

0 5,000 10,000 Feet

N

PROJECT LOCATOR MAP

File Name: Fig_A9_Depth_Post_10yr
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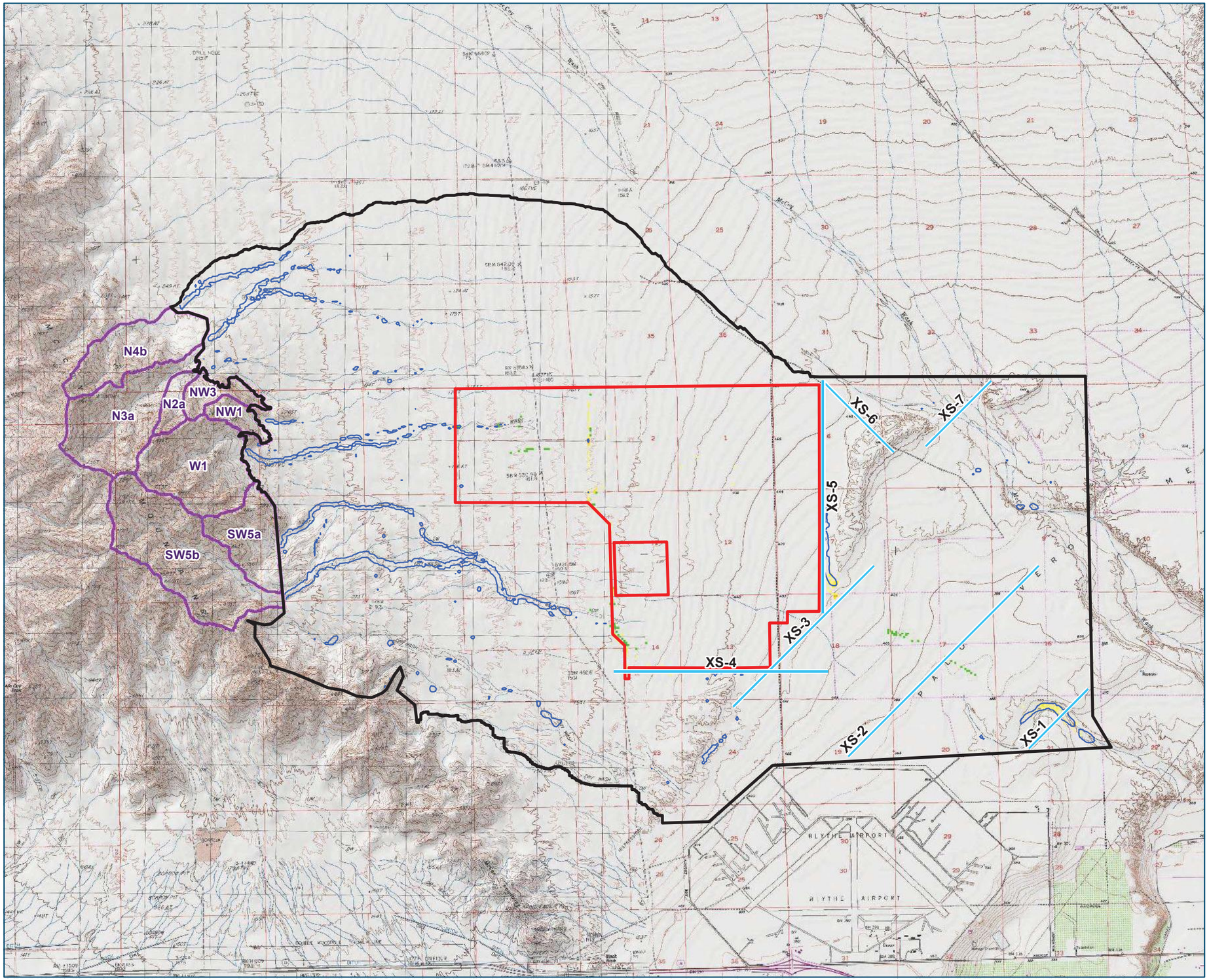
Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
AECOM



Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE A10
10-YEAR STORM EVENT
CHANGE IN MAX FLOW DEPTH
POST - PRE (ALL UNITS)

Legend

- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow (Post-Development)*
- Flow Analysis Cross Sections

Change in Max Flow Depth (feet)

> 0.7	-0.1 - -0.05
0.6 - 0.7	-0.2 - -0.1
0.5 - 0.6	-0.3 - -0.2
0.4 - 0.5	-0.4 - -0.3
0.3 - 0.4	-0.5 - -0.4
0.2 - 0.3	-0.6 - -0.5
0.1 - 0.2	-0.7 - -0.6
0.05 - 0.1	< -0.7
-0.05 - 0.05	

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

0 5,000 10,000 Feet

N

PROJECT LOCATOR MAP

File Name: Fig_A10_Depth_Delta_10yr
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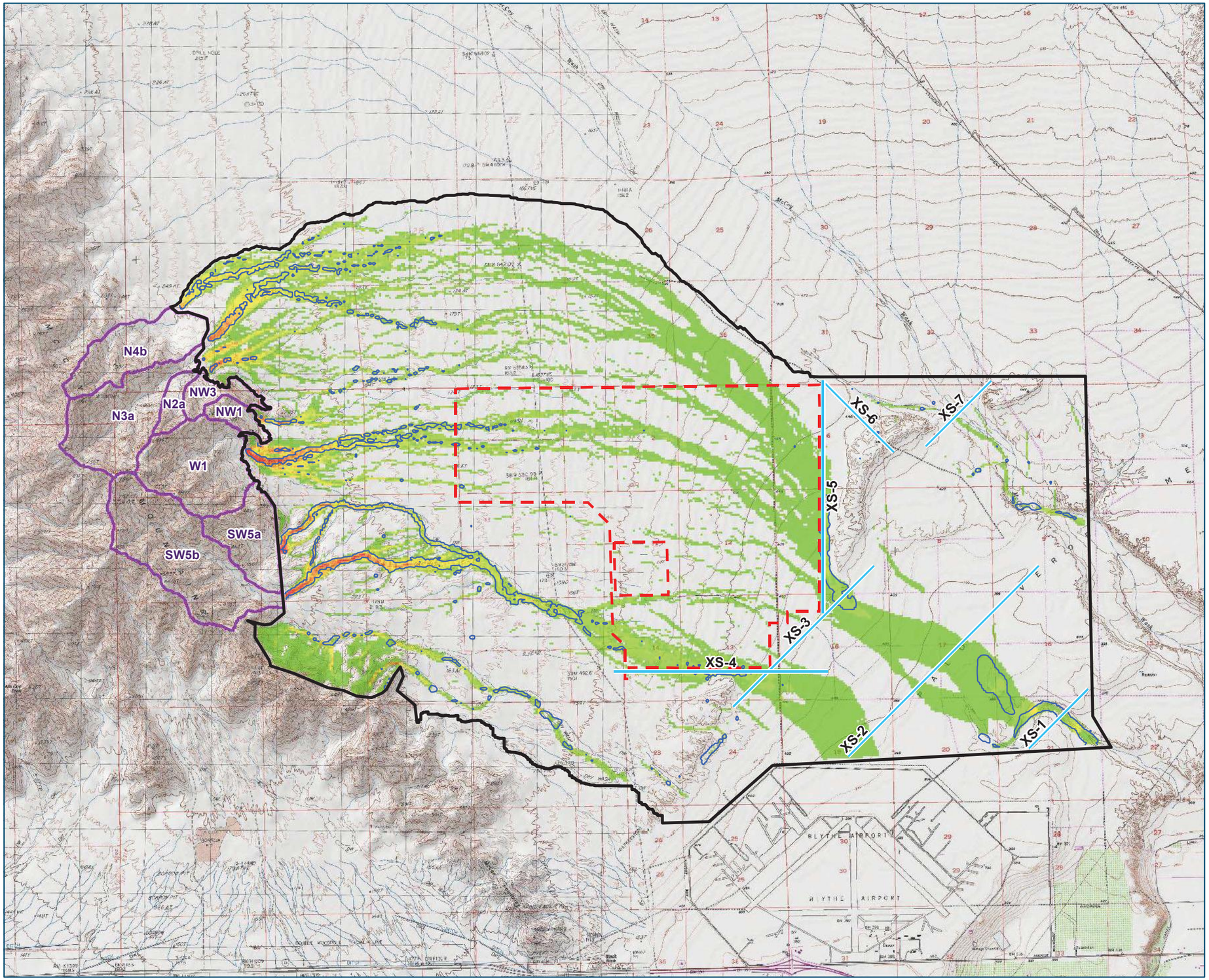
Date Modified: March 29, 2013
Projection: NAD 1983 State Plane, California VI, Feet
Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
AECOM

APPENDIX B

25-year Storm Event Pre/Post-Development Hydrology
Maximum Velocity, Maximum Flow Depth, and Change Maps



Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE B1
25-YEAR STORM EVENT
MAX VELOCITY
PRE-DEVELOPMENT

Legend

- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow*
- Flow Analysis Cross Sections

Velocity (feet/second)

- 0.00 - 0.25
- 0.26 - 0.50
- 0.51 - 0.75
- 0.76 - 1.00
- 1.01 - 1.25
- 1.26 - 1.50
- 1.51 - 1.75
- 1.76 - 2.00
- 2.01 - 2.25
- > 2.25

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

0 5,000 10,000 Feet

N

PROJECT LOCATOR MAP

File Name: Fig_B1_Velocity_Pre_25yr
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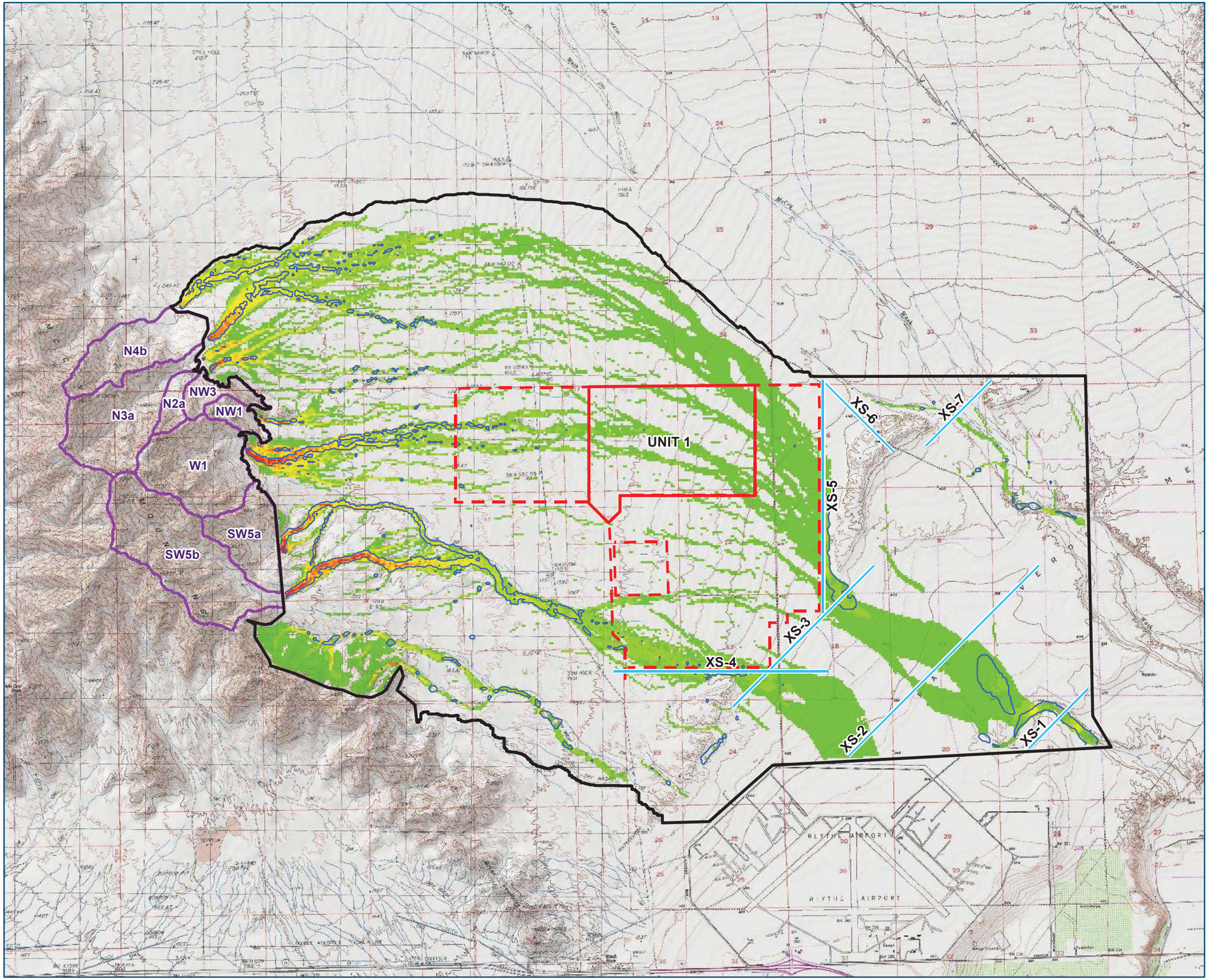
Date Modified: March 29, 2013
Projection: NAD 1983 State Plane, California VI, Feet
Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
AECOM



Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE B2
25-YEAR STORM EVENT
MAX VELOCITY
POST-DEVELOPMENT (UNIT 1)

Legend

- BSPP Unit 1 Boundary
- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow*
- Flow Analysis Cross Sections

Velocity (feet/second)

- 0.00 - 0.25
- 0.26 - 0.50
- 0.51 - 0.75
- 0.76 - 1.00
- 1.01 - 1.25
- 1.26 - 1.50
- 1.51 - 1.75
- 1.76 - 2.00
- 2.01 - 2.25
- > 2.25

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

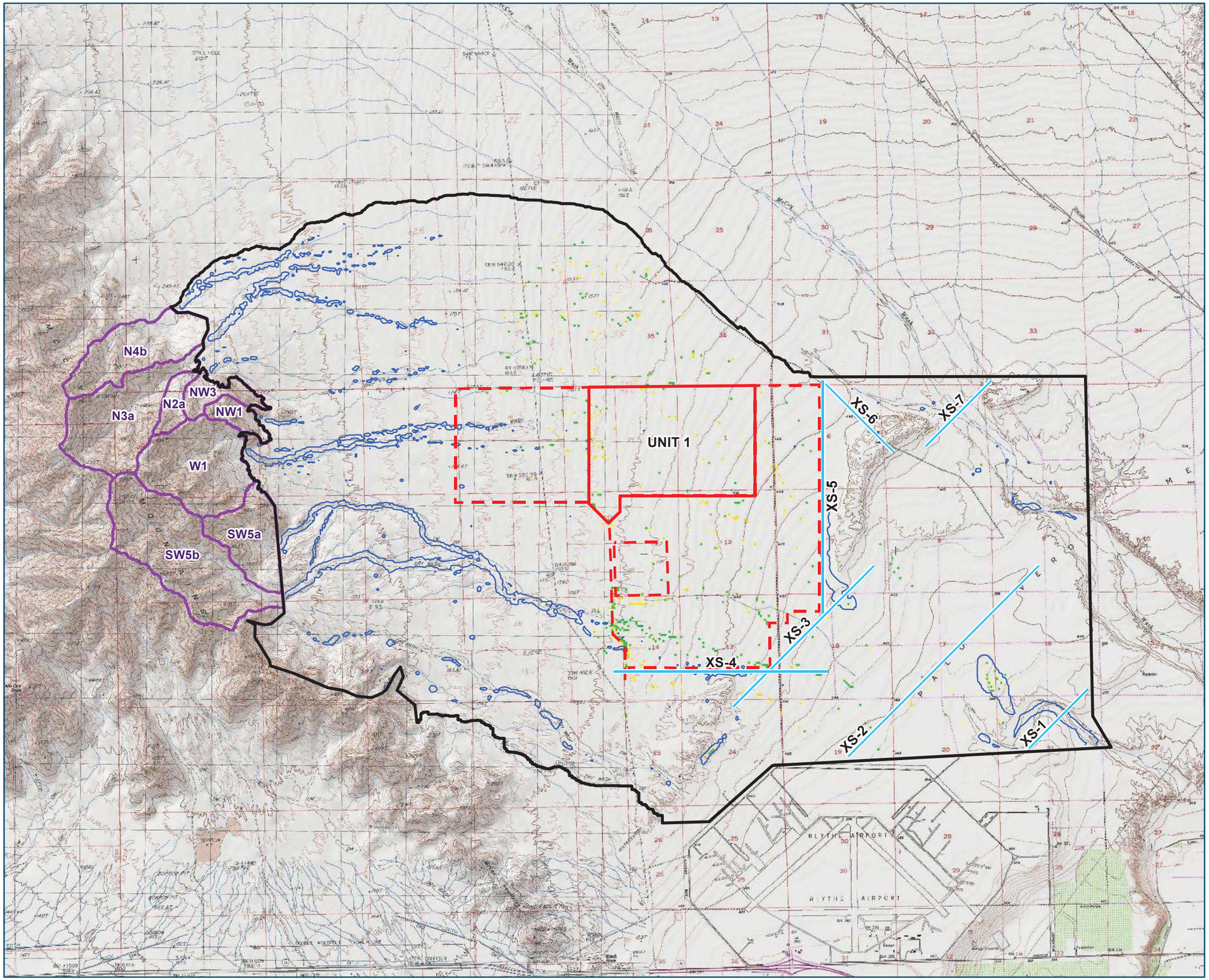
0 5,000 10,000 Feet

N

PROJECT LOCATOR MAP

File Name: Fig_B2_Velocity_U1Post_25yr
MXD File Path: NextEra\60280294_Blythe\GIS\Layouts\BSPP
PDF File Path: NextEra\60280294_Blythe\GIS\Maps\BSPP
Date Modified: March 29, 2013
Projection: NAD 1983 State Plane, California VI, Feet
Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
AECOM



Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE B3
25-YEAR STORM EVENT
CHANGE IN MAX VELOCITY
POST - PRE (UNIT 1)

Legend

- BSPP Unit 1 Boundary
- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow (Post-Development)*
- Flow Analysis Cross Sections

Change in Max Velocity (feet/second)

> 0.7	-0.1 - -0.05
0.6 - 0.7	-0.2 - -0.1
0.5 - 0.6	-0.3 - -0.2
0.4 - 0.5	-0.4 - -0.3
0.3 - 0.4	-0.5 - -0.4
0.2 - 0.3	-0.6 - -0.5
0.1 - 0.2	-0.7 - -0.6
0.05 - 0.1	< -0.7
-0.05 - 0.05	

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

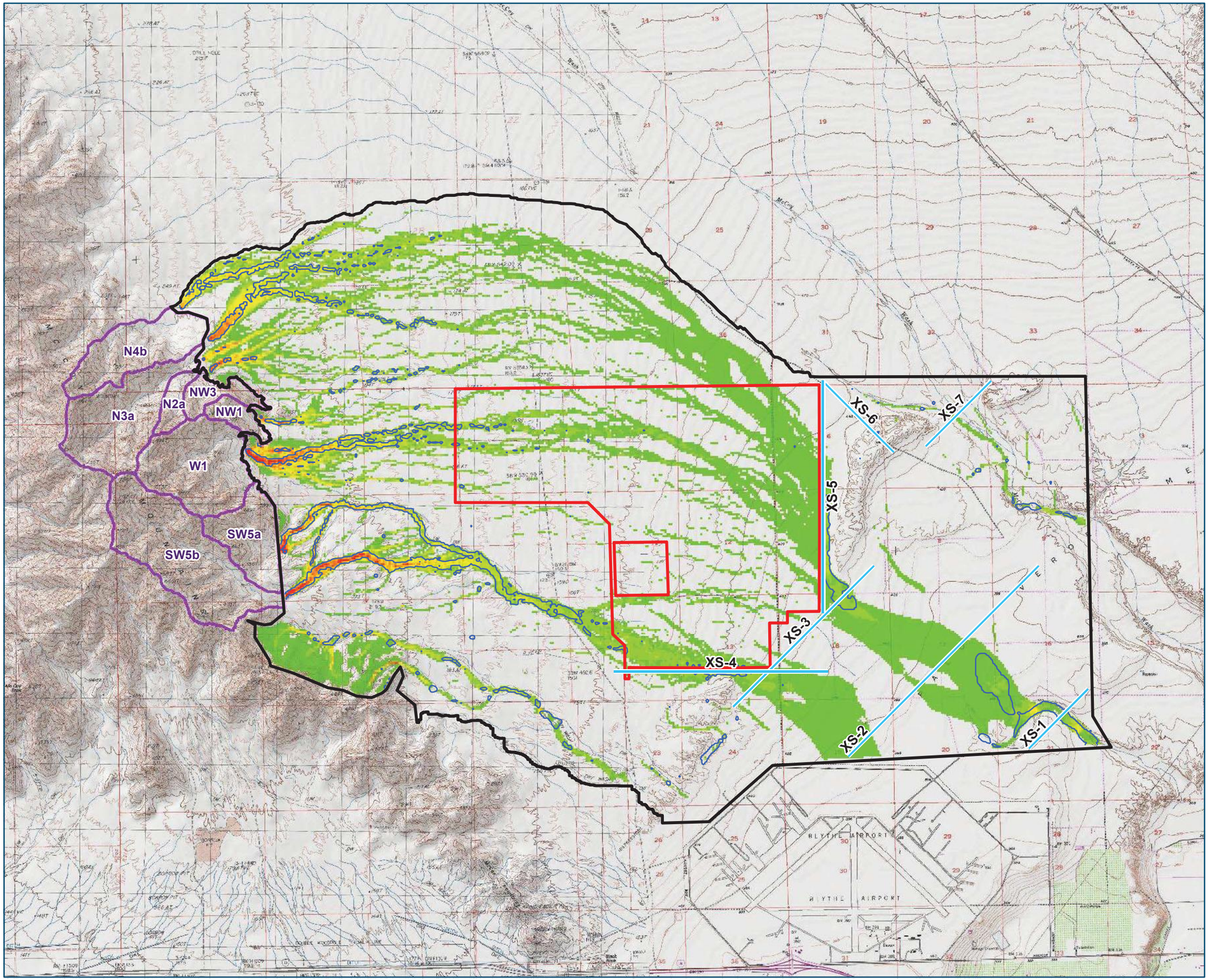
0 5,000 10,000 Feet

N

PROJECT LOCATOR MAP

File Name: Fig_B3_Velocity_U1Delta_25yr
MXD File Path: NextEra\60280294_Blythe\GIS\Layouts\BSPP
PDF File Path: NextEra\60280294_Blythe\GIS\Maps\BSPP
Date Modified: March 29, 2013
Projection: NAD 1983 State Plane, California VI, Feet
Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
AECOM



Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE B4
25-YEAR STORM EVENT
MAX VELOCITY
POST-DEVELOPMENT (ALL UNITS)

Legend

- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow*
- Flow Analysis Cross Sections

Velocity (feet/second)

- 0.00 - 0.25
- 0.26 - 0.50
- 0.51 - 0.75
- 0.76 - 1.00
- 1.01 - 1.25
- 1.26 - 1.50
- 1.51 - 1.75
- 1.76 - 2.00
- 2.01 - 2.25
- > 2.25

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

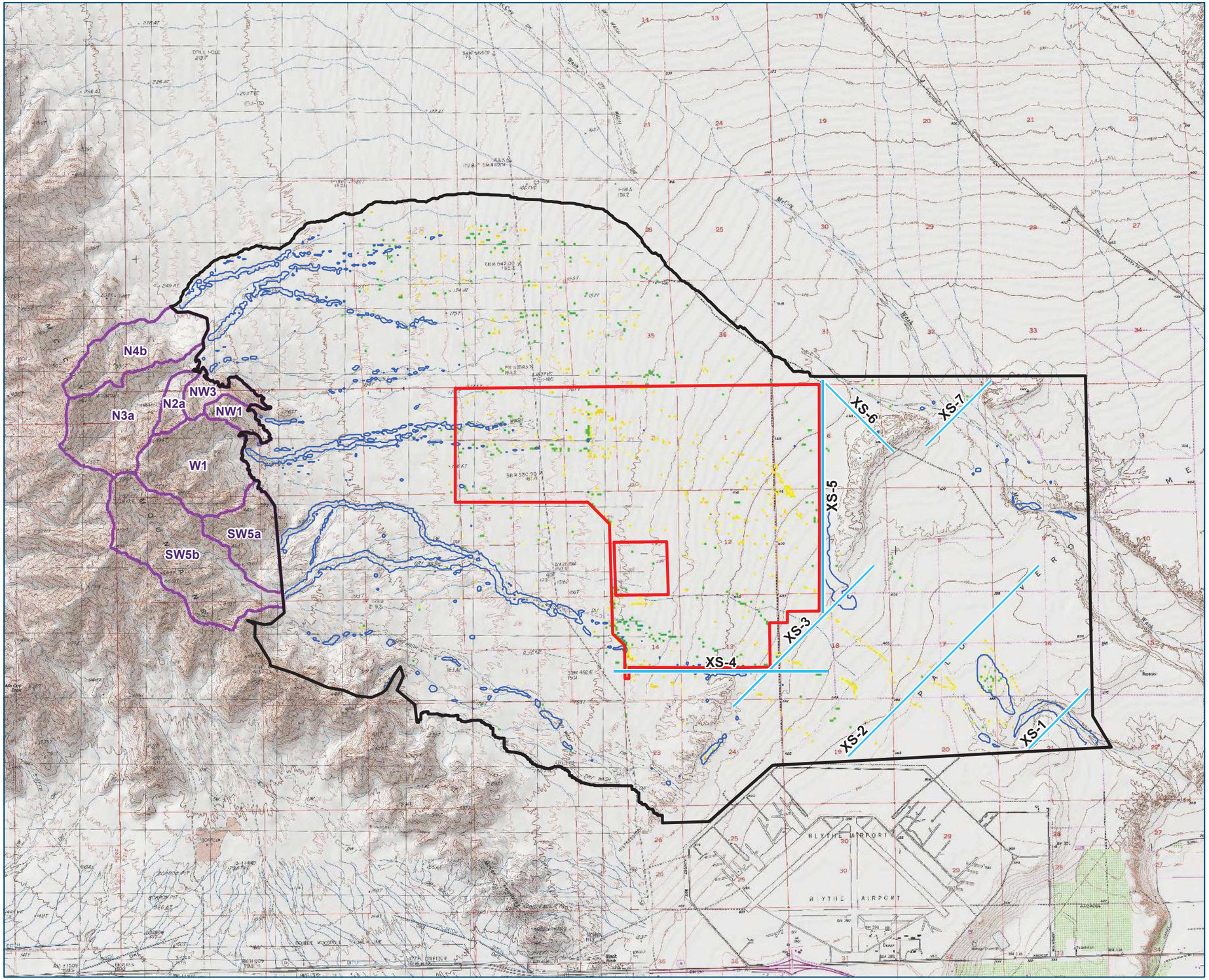
0 5,000 10,000 Feet

N

PROJECT LOCATOR MAP

File Name: Fig_B4_Velocity_Post_25yr
MXD File Path: NextEra\60280294_Blythe\GIS\Layouts\BSPP
PDF File Path: NextEra\60280294_Blythe\GIS\Maps\BSPP
Date Modified: March 29, 2013
Projection: NAD 1983 State Plane, California VI, Feet
Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
AECOM



Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE B5
25-YEAR STORM EVENT
CHANGE IN MAX VELOCITY
POST - PRE (ALL UNITS)

Legend

- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow (Post-Development)*
- Flow Analysis Cross Sections

Change in Max Velocity (feet/second)

> 0.7	-0.1 - -0.05
0.6 - 0.7	-0.2 - -0.1
0.5 - 0.6	-0.3 - -0.2
0.4 - 0.5	-0.4 - -0.3
0.3 - 0.4	-0.5 - -0.4
0.2 - 0.3	-0.6 - -0.5
0.1 - 0.2	-0.7 - -0.6
0.05 - 0.1	< -0.7
-0.05 - 0.05	

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

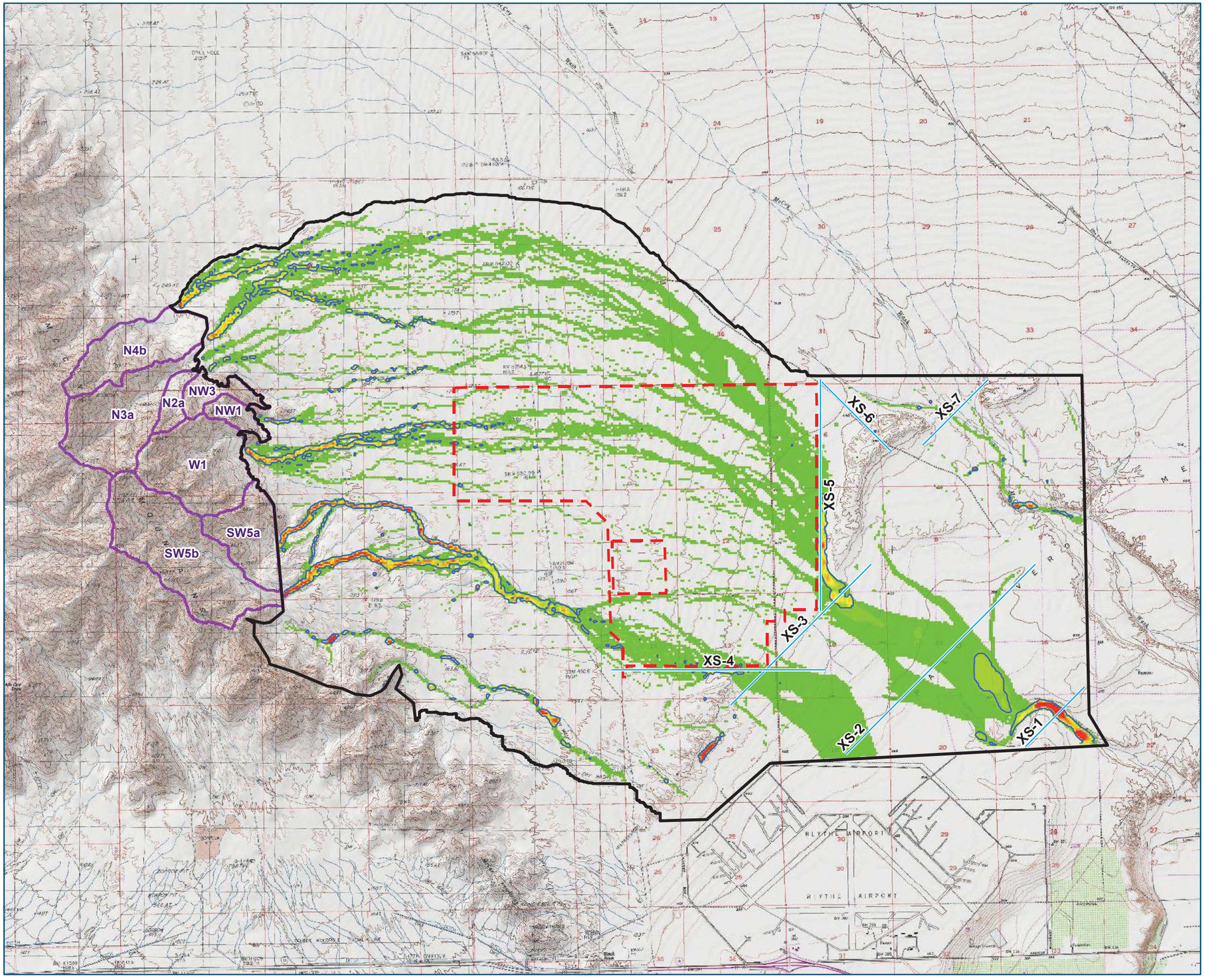
0 5,000 10,000 Feet

N

PROJECT LOCATOR MAP

File Name: Fig_B5_Velocity_Delta_25yr
MXD File Path: NextEra\60280294_Blythe\GIS\Layouts\BSPP
PDF File Path: NextEra\60280294_Blythe\GIS\Maps\BSPP
Date Modified: March 29, 2013
Projection: NAD 1983 State Plane, California VI, Feet
Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
AECOM



Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE B6
25-YEAR STORM EVENT
MAX FLOW DEPTH
PRE-DEVELOPMENT

Legend

- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow*
- Flow Analysis Cross Sections

Flow Depth (feet)

0.0 - 0.2	1.1 - 1.2
0.3 - 0.4	1.3 - 1.4
0.5 - 0.6	1.5 - 1.6
0.7 - 0.8	1.7 - 1.8
0.8 - 0.9	1.9 - 2.0
0.9 - 1.0	> 2.0

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

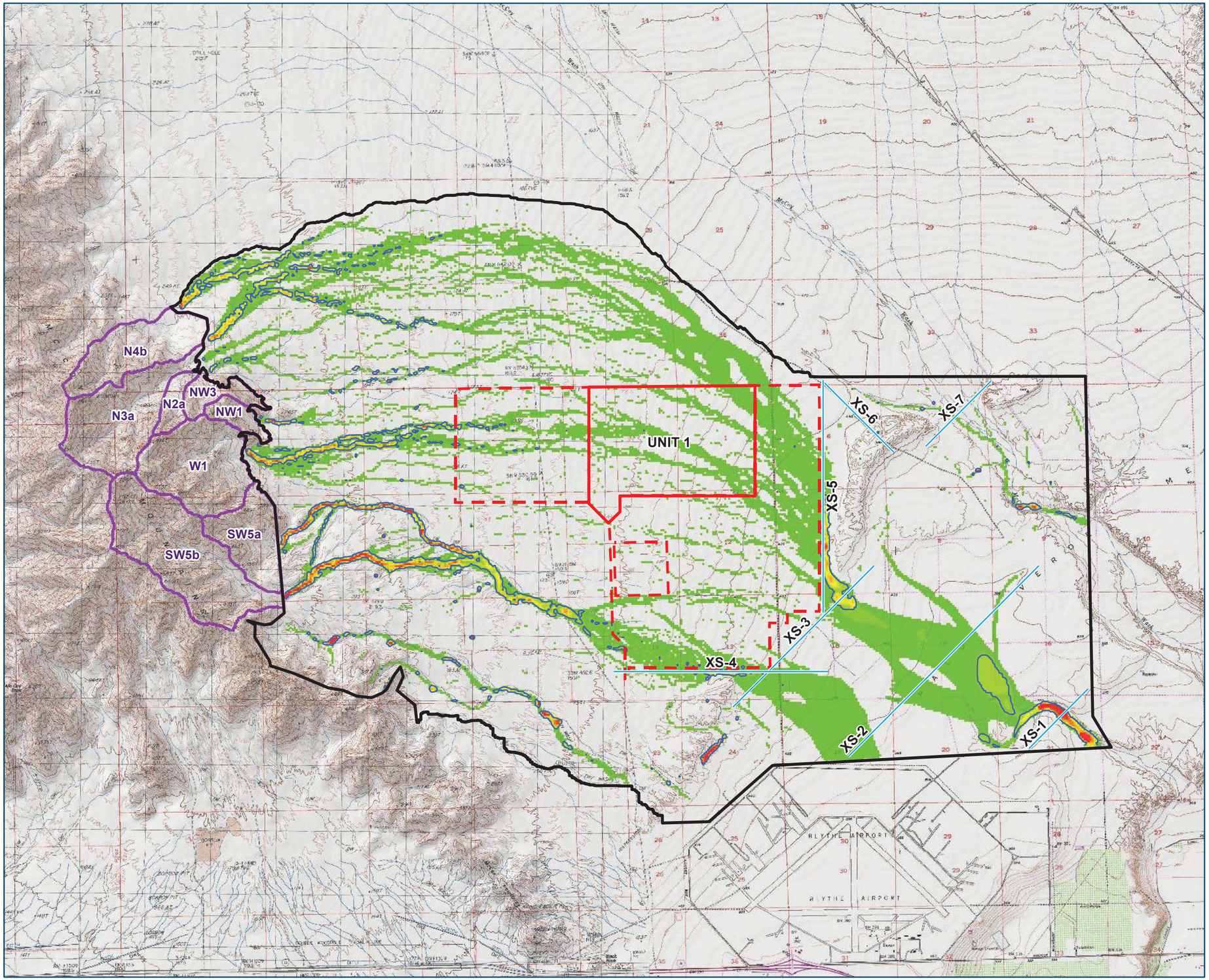
0 5,000 10,000 Feet

N

PROJECT LOCATOR MAP

File Name: Fig_B6_Velocity_Pre_25yr
MXD File Path: NextEra\60280294_Blythe\GIS\Layouts\BSPP
PDF File Path: NextEra\60280294_Blythe\GIS\Maps\BSPP
Date Modified: March 29, 2013
Projection: NAD 1983 State Plane, California VI, Feet
Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
AECOM



Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE B7
25-YEAR STORM EVENT
MAX FLOW DEPTH
POST-DEVELOPMENT (UNIT1)

Legend

- BSPP Unit 1 Boundary
- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow*
- Flow Analysis Cross Sections

Flow Depth (feet)

0.0 - 0.2	1.1 - 1.2
0.3 - 0.4	1.3 - 1.4
0.5 - 0.6	1.5 - 1.6
0.7 - 0.8	1.7 - 1.8
0.8 - 0.9	1.9 - 2.0
0.9 - 1.0	> 2.0

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

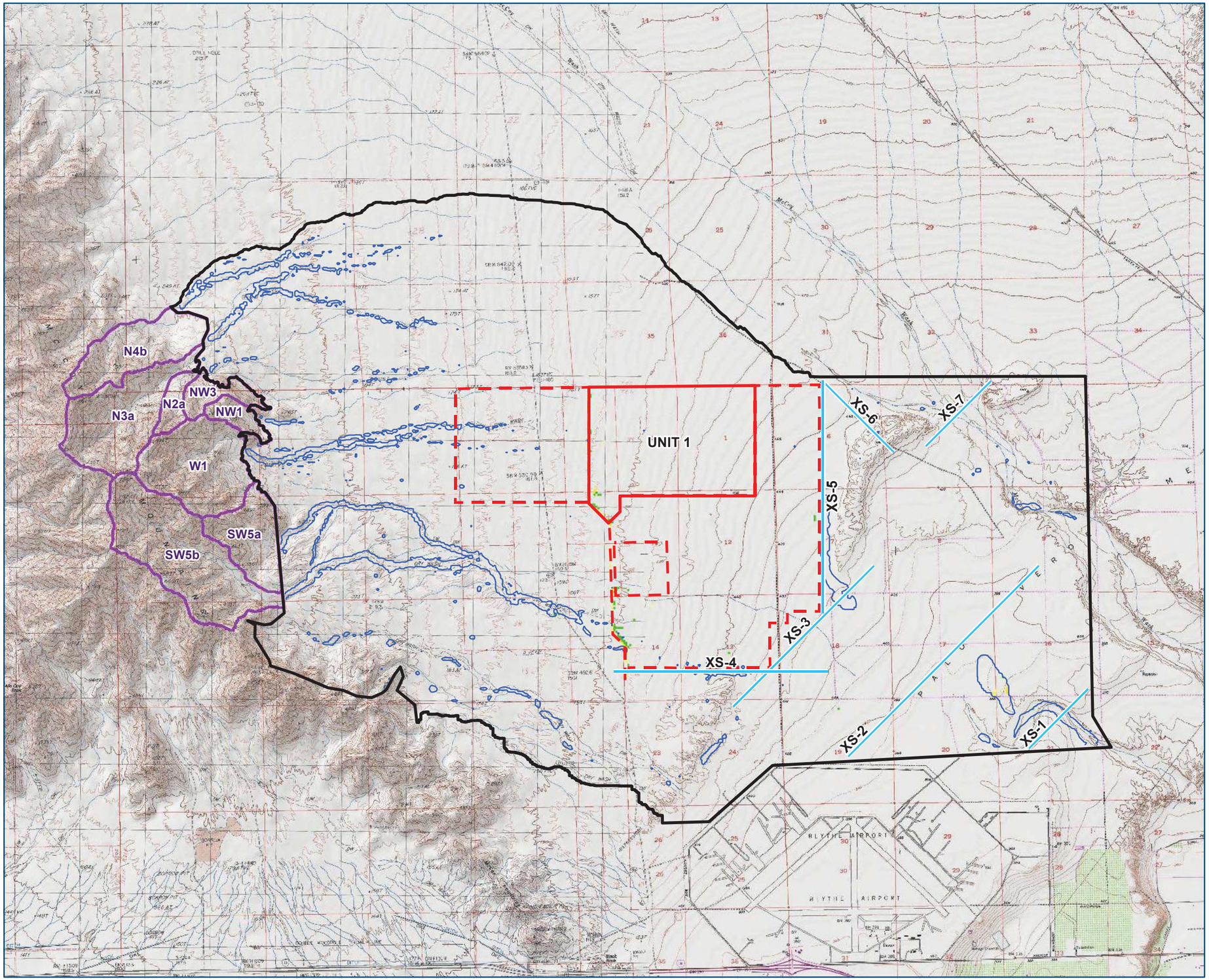
0 5,000 10,000 Feet

N

PROJECT LOCATOR MAP

File Name: Fig_B7_Depth_U1Post_25yr
MXD File Path: NextEra\60280294_Blythe\GIS\Layouts\BSPP
PDF File Path: NextEra\60280294_Blythe\GIS\Maps\BSPP
Date Modified: March 29, 2013
Projection: NAD 1983 State Plane, California VI, Feet
Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
AECOM



Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE B8
25-YEAR STORM EVENT
CHANGE IN MAX FLOW DEPTH
POST - PRE (UNIT 1)

Legend

- BSPP Unit 1 Boundary
- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow (Post-Development)*
- Flow Analysis Cross Sections

Change in Max Flow Depth (feet)

> 0.7	-0.1 - -0.05
0.6 - 0.7	-0.2 - -0.1
0.5 - 0.6	-0.3 - -0.2
0.4 - 0.5	-0.4 - -0.3
0.3 - 0.4	-0.5 - -0.4
0.2 - 0.3	-0.6 - -0.5
0.1 - 0.2	-0.7 - -0.6
0.05 - 0.1	< -0.7
-0.05 - 0.05	

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

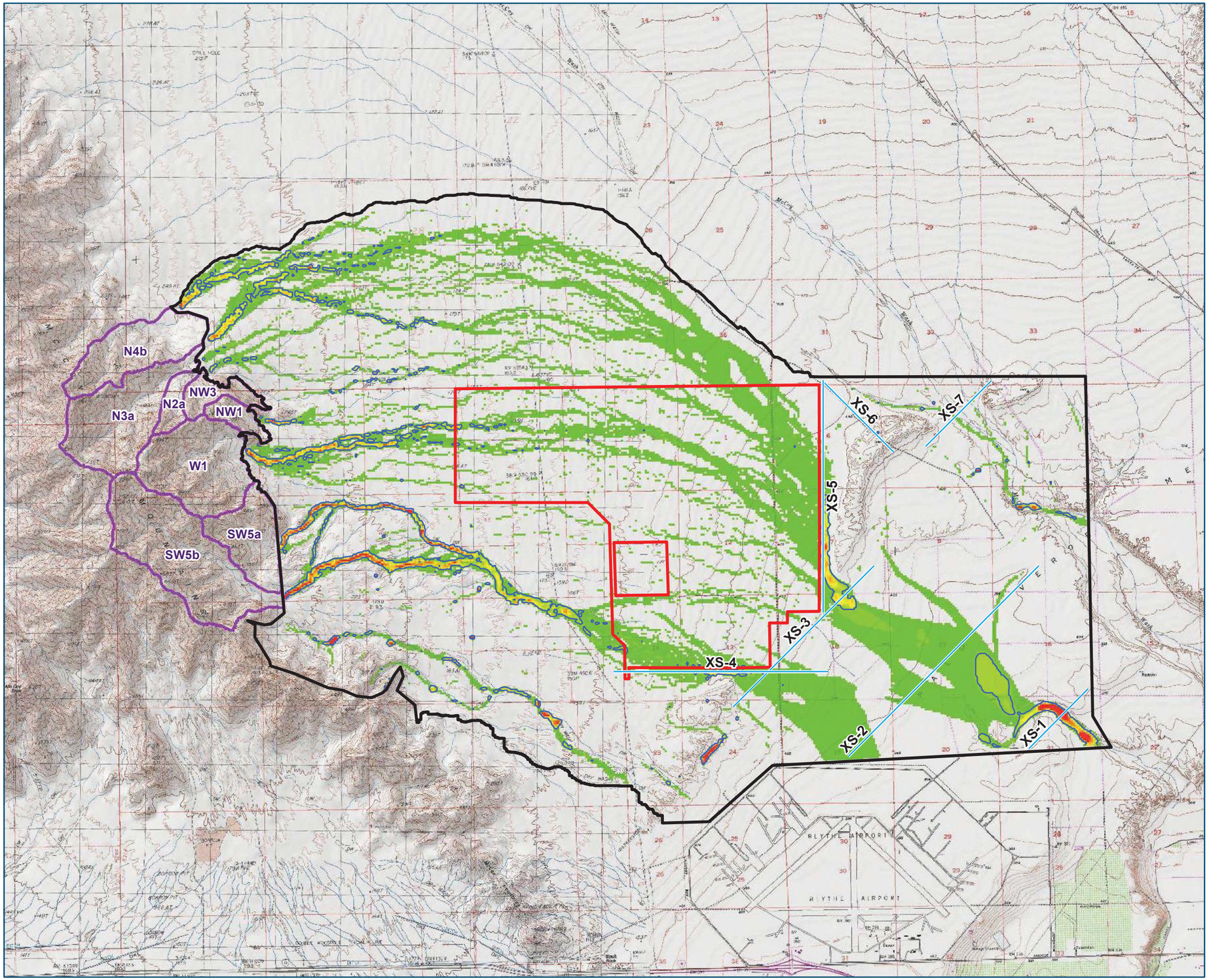
0 5,000 10,000 Feet

N

PROJECT LOCATOR MAP

File Name: Fig_B8_Depth_Delta_25yr
MXD File Path: NextEra\60280294_Blythe\GIS\Layouts\BSPP
PDF File Path: NextEra\60280294_Blythe\GIS\Maps\BSPP
Date Modified: March 29, 2013
Projection: NAD 1983 State Plane, California VI, Feet
Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
AECOM



Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE B9
25-YEAR STORM EVENT
MAX FLOW DEPTH
POST-DEVELOPMENT (ALL UNITS)

Legend

- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow*
- Flow Analysis Cross Sections

Flow Depth (feet)

0.0 - 0.2	1.1 - 1.2
0.3 - 0.4	1.3 - 1.4
0.5 - 0.6	1.5 - 1.6
0.7 - 0.8	1.7 - 1.8
0.8 - 0.9	1.9 - 2.0
0.9 - 1.0	> 2.0

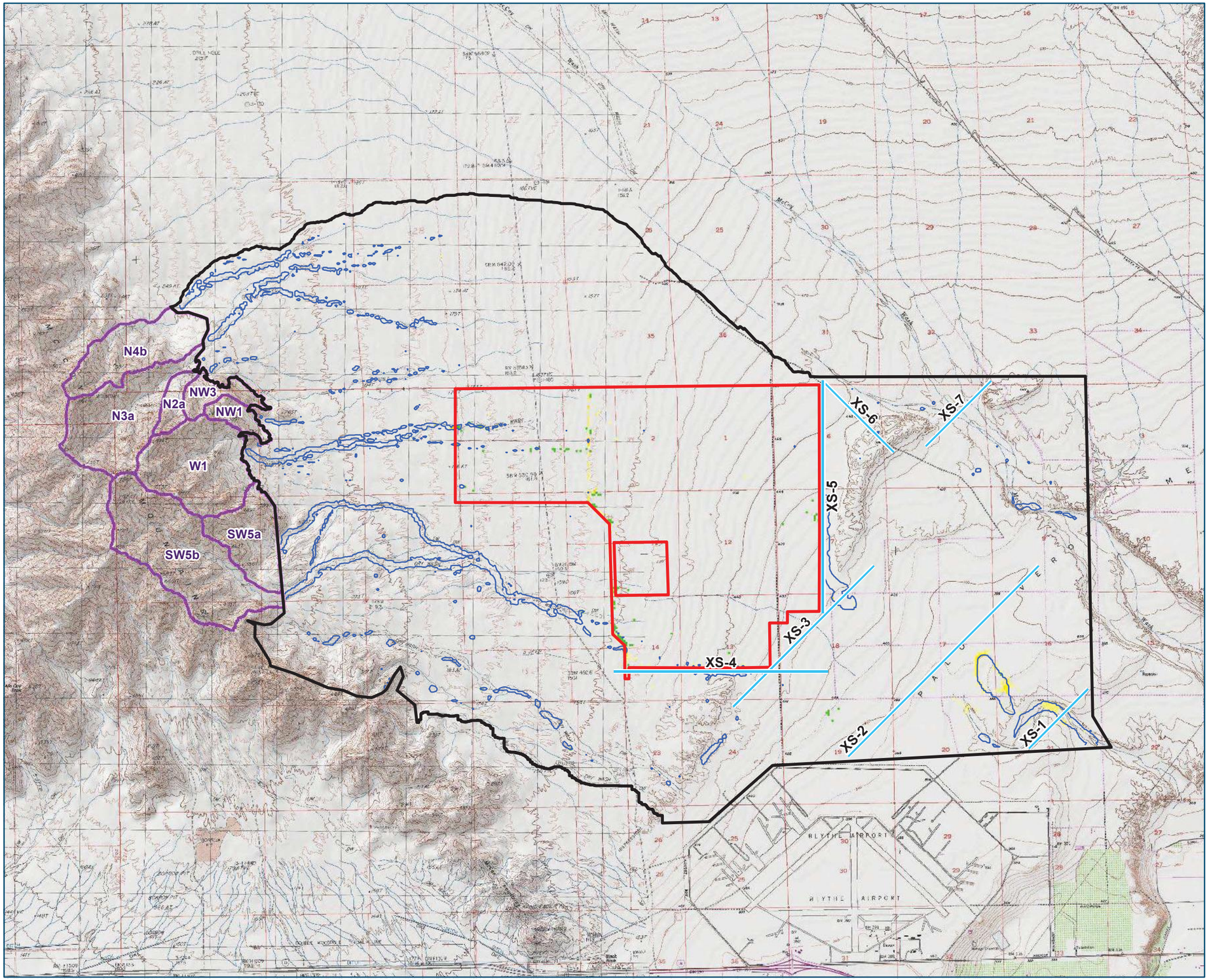
0 5,000 10,000 Feet

N

PROJECT LOCATOR MAP

File Name: Fig_B9_Depth_Post_25yr
MXD File Path: NextEra\60280294_Blythe\GIS\Layouts\BSPP
PDF File Path: NextEra\60280294_Blythe\GIS\Maps\BSPP
Date Modified: March 29, 2013
Projection: NAD 1983 State Plane, California VI, Feet
Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
AECOM



Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE B10
25-YEAR STORM EVENT
CHANGE IN MAX FLOW DEPTH
POST - PRE (ALL UNITS)

Legend

- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow (Post-Development)*
- Flow Analysis Cross Sections

Change in Max Flow Depth (feet)

- > 0.7
- 0.6 - 0.7
- 0.5 - 0.6
- 0.4 - 0.5
- 0.3 - 0.4
- 0.2 - 0.3
- 0.1 - 0.2
- 0.05 - 0.1
- -0.05 - 0.05
- -0.1 - -0.05
- -0.2 - -0.1
- -0.3 - -0.2
- -0.4 - -0.3
- -0.5 - -0.4
- -0.6 - -0.5
- -0.7 - -0.6
- < -0.7

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

0 5,000 10,000 Feet

N

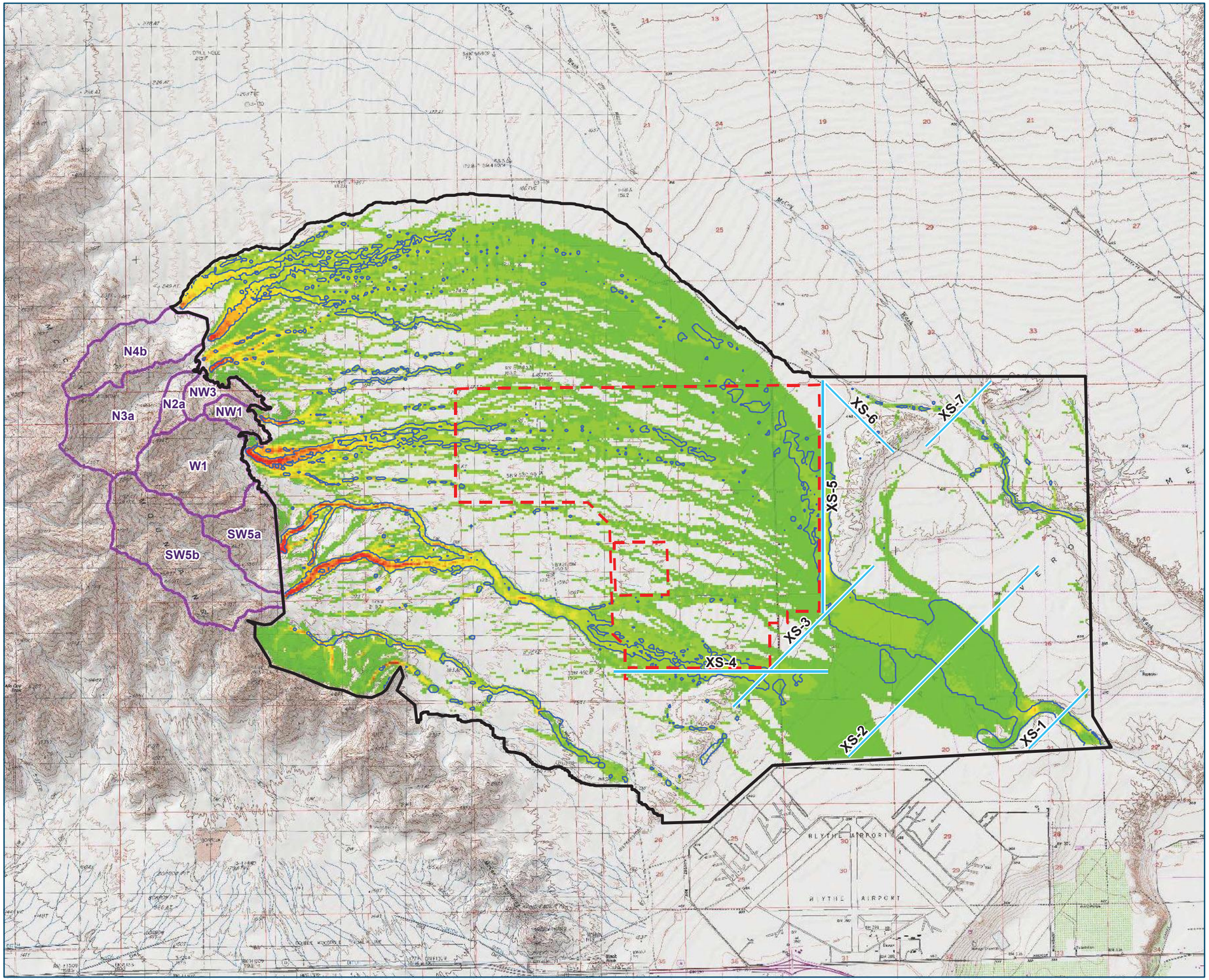
PROJECT LOCATOR MAP

File Name: Fig_B10_Depth_Delta_25yr
MXD File Path: NextEra\60280294_Blythe\GIS\Layouts\BSPP
PDF File Path: NextEra\60280294_Blythe\GIS\Maps\BSPP
Date Modified: March 29, 2013
Projection: NAD 1983 State Plane, California VI, Feet
Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
AECOM

APPENDIX C

100-year Storm Event Pre/Post-Development Hydrology Maximum Velocity, Maximum Flow Depth, and Change Maps



Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE C1
100-YEAR STORM EVENT
MAX VELOCITY
PRE-DEVELOPMENT

Legend

- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow*
- Flow Analysis Cross Sections

Velocity (feet/second)

- 0.00 - 0.25
- 0.26 - 0.50
- 0.51 - 0.75
- 0.76 - 1.00
- 1.01 - 1.25
- 1.26 - 1.50
- 1.51 - 1.75
- 1.76 - 2.00
- 2.01 - 2.25
- > 2.25

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

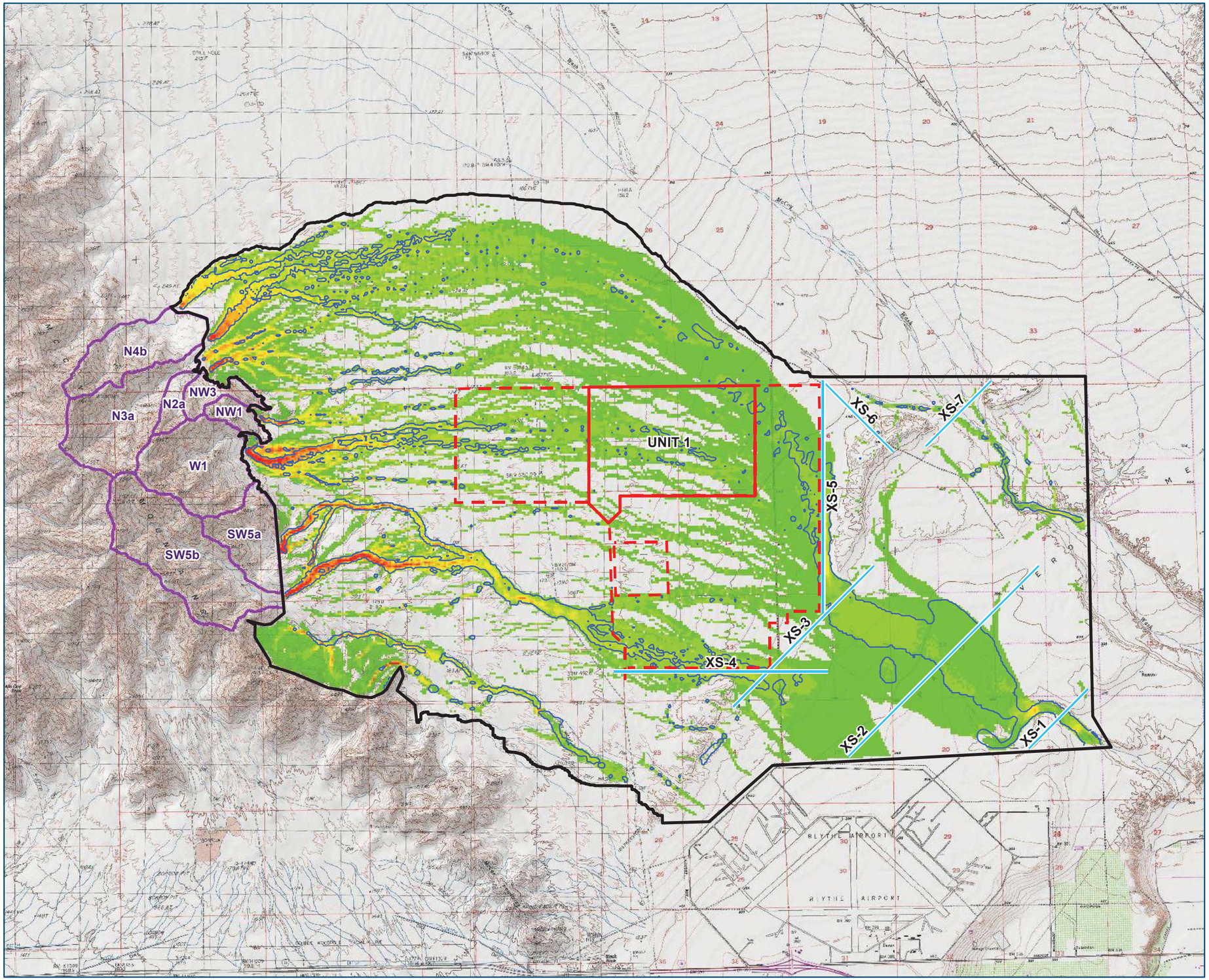
0 5,000 10,000 Feet

N

PROJECT LOCATOR MAP

File Name: Fig_C1_Velocity_Pre_100yr
MXD File Path: NextEra\60280294_Blythe\GIS\Layouts\BSPP
PDF File Path: NextEra\60280294_Blythe\GIS\Maps\BSPP
Date Modified: March 29, 2013
Projection: NAD 1983 State Plane, California VI, Feet
Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
AECOM



Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE C2
100-YEAR STORM EVENT
MAX VELOCITY
POST-DEVELOPMENT (UNIT 1)

Legend

- BSPP Unit 1 Boundary
- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow*
- Flow Analysis Cross Sections

Velocity (feet/second)

- 0.00 - 0.25
- 0.26 - 0.50
- 0.51 - 0.75
- 0.76 - 1.00
- 1.01 - 1.25
- 1.26 - 1.50
- 1.51 - 1.75
- 1.76 - 2.00
- 2.01 - 2.25
- > 2.25

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

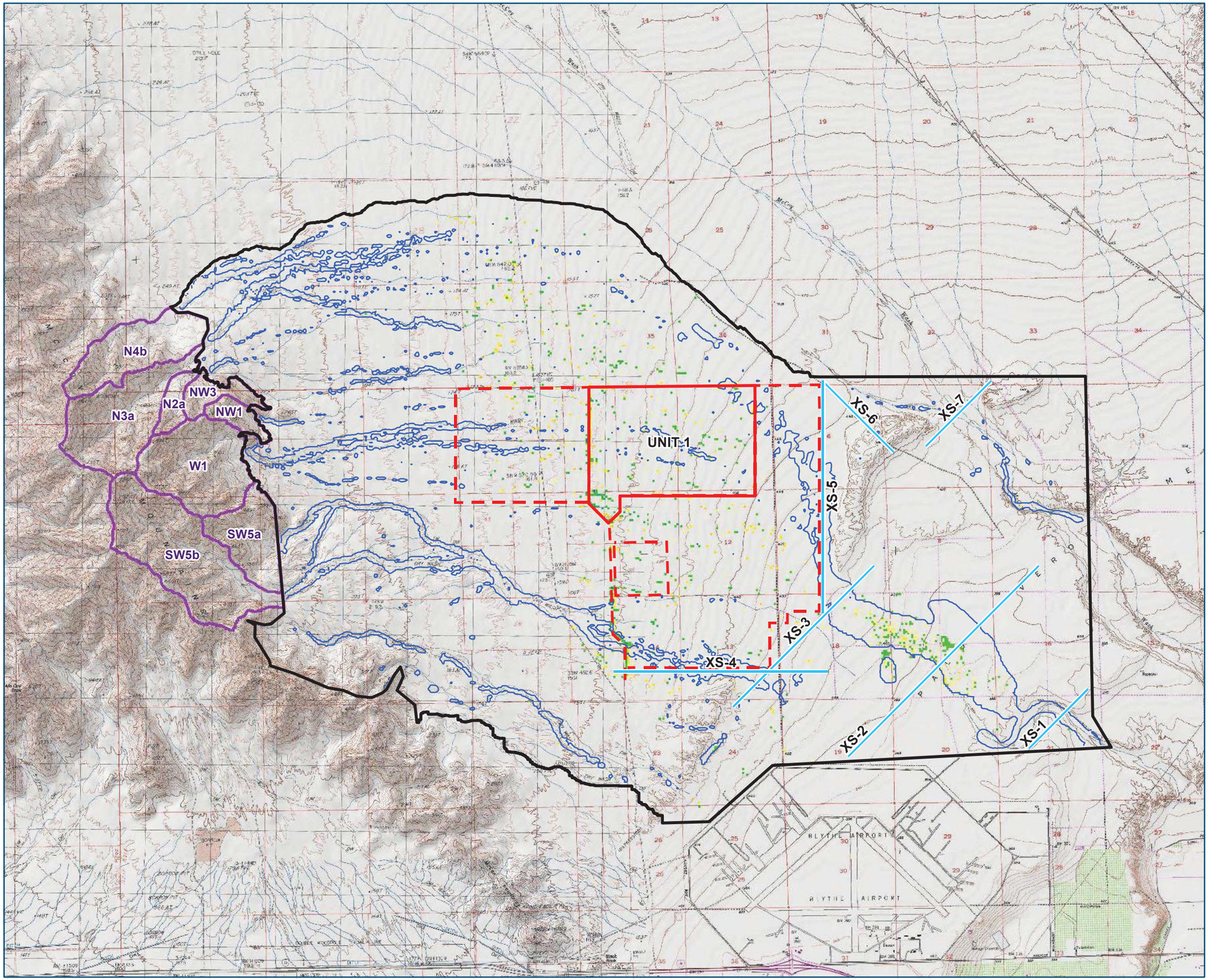
0 5,000 10,000 Feet

N

PROJECT LOCATOR MAP

File Name: Fig_C2_Velocity_U1Post_100yr
MXD File Path: NextEra\60280294_Blythe\GIS\Layouts\BSPP
PDF File Path: NextEra\60280294_Blythe\GIS\Maps\BSPP
Date Modified: March 29, 2013
Projection: NAD 1983 State Plane, California VI, Feet
Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
AECOM



Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE C3
100-YEAR STORM EVENT
CHANGE IN MAX VELOCITY
POST - PRE (UNIT 1)

Legend

- BSPP Unit 1 Boundary
- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow (Post-Development)*
- Flow Analysis Cross Sections

Change in Max Velocity (feet/second)

- > 0.7
- 0.6 - 0.7
- 0.5 - 0.6
- 0.4 - 0.5
- 0.3 - 0.4
- 0.2 - 0.3
- 0.1 - 0.2
- 0.05 - 0.1
- -0.05 - 0.05
- -0.1 - -0.05
- -0.2 - -0.1
- -0.3 - -0.2
- -0.4 - -0.3
- -0.5 - -0.4
- -0.6 - -0.5
- -0.7 - -0.6
- < -0.7

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

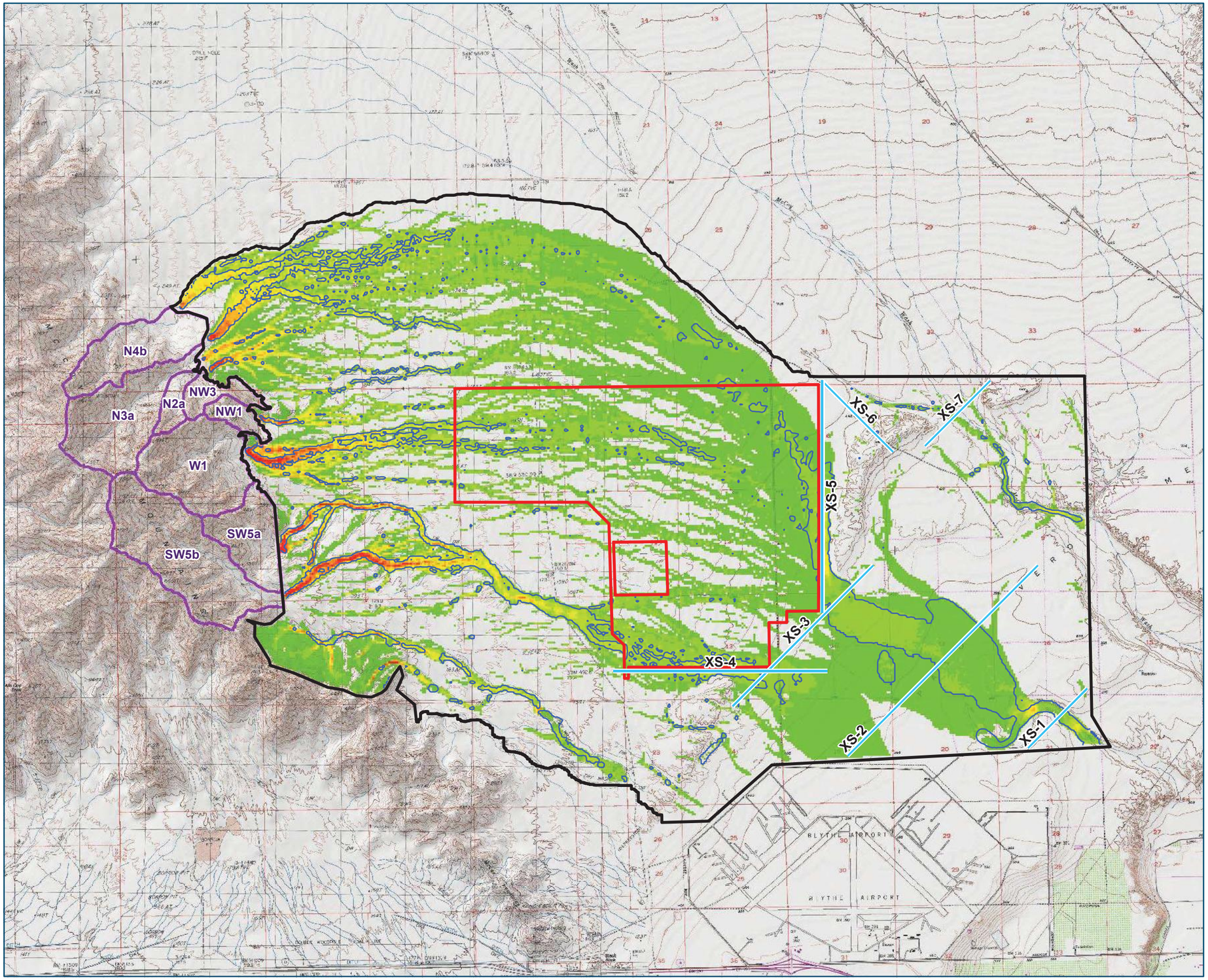
0 5,000 10,000 Feet

N

PROJECT LOCATOR MAP

File Name: Fig_C3_Velocity_U1Delta_100yr
MXD File Path: NextEra\60280294_Blythe\GIS\Layouts\BSPP
PDF File Path: NextEra\60280294_Blythe\GIS\Maps\BSPP
Date Modified: March 29, 2013
Projection: NAD 1983 State Plane, California VI, Feet
Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
AECOM



Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE C4
100-YEAR STORM EVENT
MAX VELOCITY
POST-DEVELOPMENT (ALL UNITS)

Legend

- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow*
- Flow Analysis Cross Sections

Velocity (feet/second)

- 0.00 - 0.25
- 0.26 - 0.50
- 0.51 - 0.75
- 0.76 - 1.00
- 1.01 - 1.25
- 1.26 - 1.50
- 1.51 - 1.75
- 1.76 - 2.00
- 2.01 - 2.25
- > 2.25

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

0 5,000 10,000 Feet

N

PROJECT LOCATOR MAP

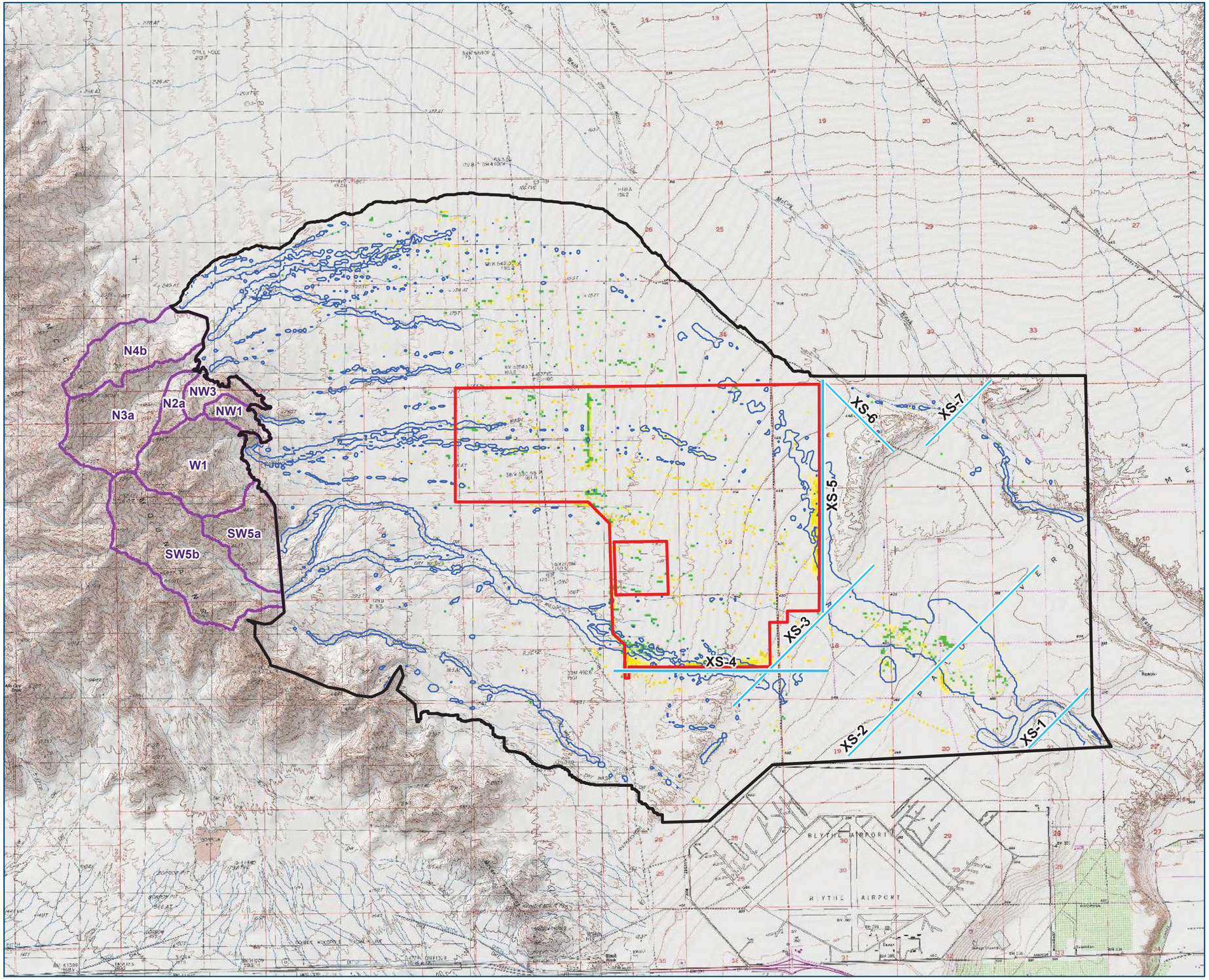
File Name: Fig_C4_Velocity_Post_100yr
MXD File Path: NextEra\60280294_Blythe\GIS\Layouts\BSPP
PDF File Path: NextEra\60280294_Blythe\GIS\Maps\BSPP
Date Modified: March 29, 2013
Projection: NAD 1983 State Plane, California VI, Feet
Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
AECOM

Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE C5
100-YEAR STORM EVENT
CHANGE IN MAX VELOCITY
POST - PRE (ALL UNITS)



Legend

- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow (Post-Development)*
- Flow Analysis Cross Sections

Change in Max Velocity (feet/second)

> 0.7	-0.1 - -0.05
0.6 - 0.7	-0.2 - -0.1
0.5 - 0.6	-0.3 - -0.2
0.4 - 0.5	-0.4 - -0.3
0.3 - 0.4	-0.5 - -0.4
0.2 - 0.3	-0.6 - -0.5
0.1 - 0.2	-0.7 - -0.6
0.05 - 0.1	< -0.7
-0.05 - 0.05	

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

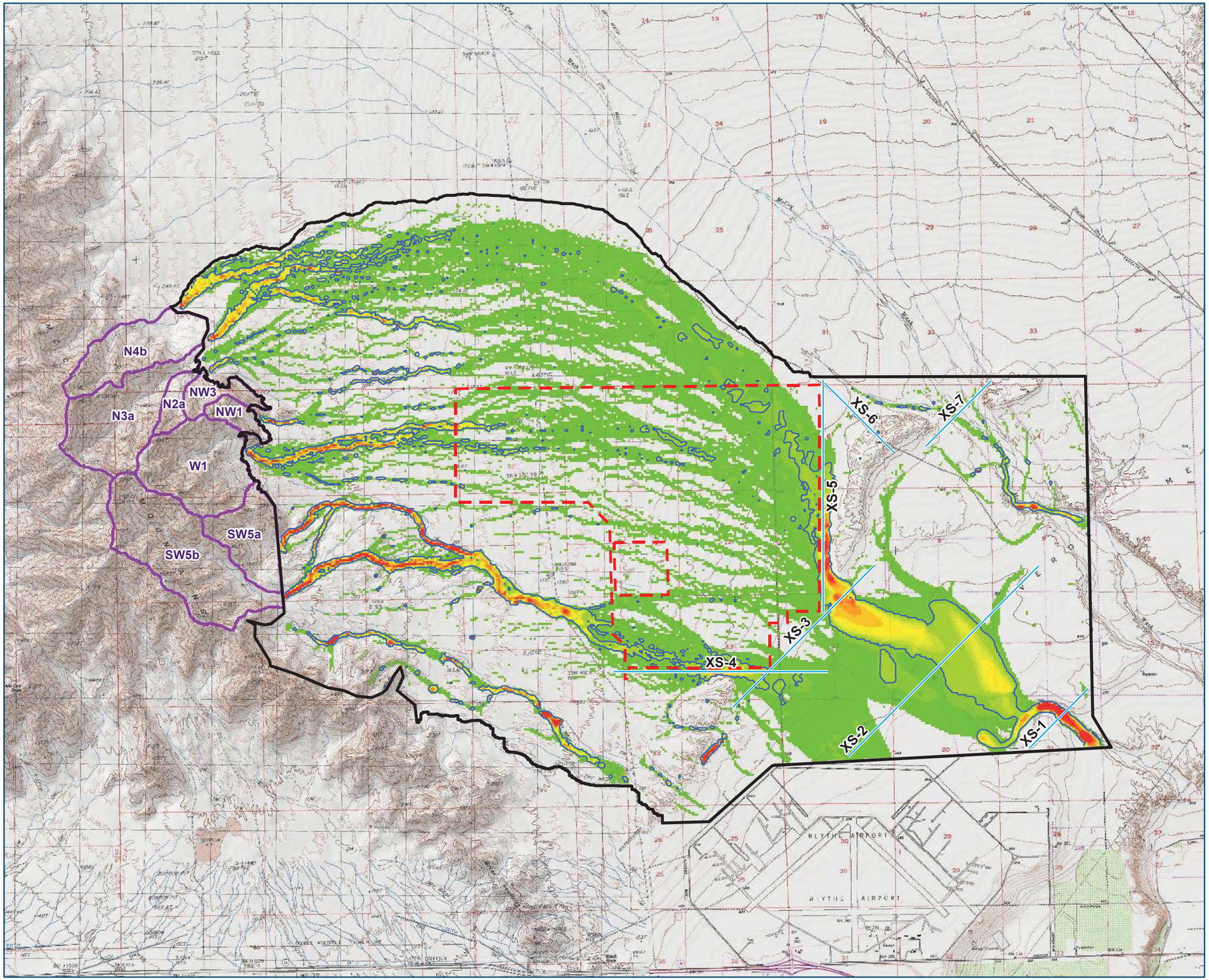
0 5,000 10,000 Feet

N

PROJECT LOCATOR MAP

File Name: Fig_C5_Velocity_Delta_100yr
MXD File Path: NextEra\60280294_Blythe\GIS\Layouts\BSPP
PDF File Path: NextEra\60280294_Blythe\GIS\Maps\BSPP
Date Modified: March 29, 2013
Projection: NAD 1983 State Plane, California VI, Feet
Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
AECOM



Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE C6
100-YEAR STORM EVENT
MAX FLOW DEPTH
PRE-DEVELOPMENT

Legend

- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow*
- Flow Analysis Cross Sections

Flow Depth (feet)

0.0 - 0.2	1.1 - 1.2
0.3 - 0.4	1.3 - 1.4
0.5 - 0.6	1.5 - 1.6
0.7 - 0.8	1.7 - 1.8
0.8 - 0.9	1.9 - 2.0
0.9 - 1.0	> 2.0

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

0 5,000 10,000 Feet

N

PROJECT LOCATOR MAP

File Name: Fig_C6_Velocity_Pre_100yr
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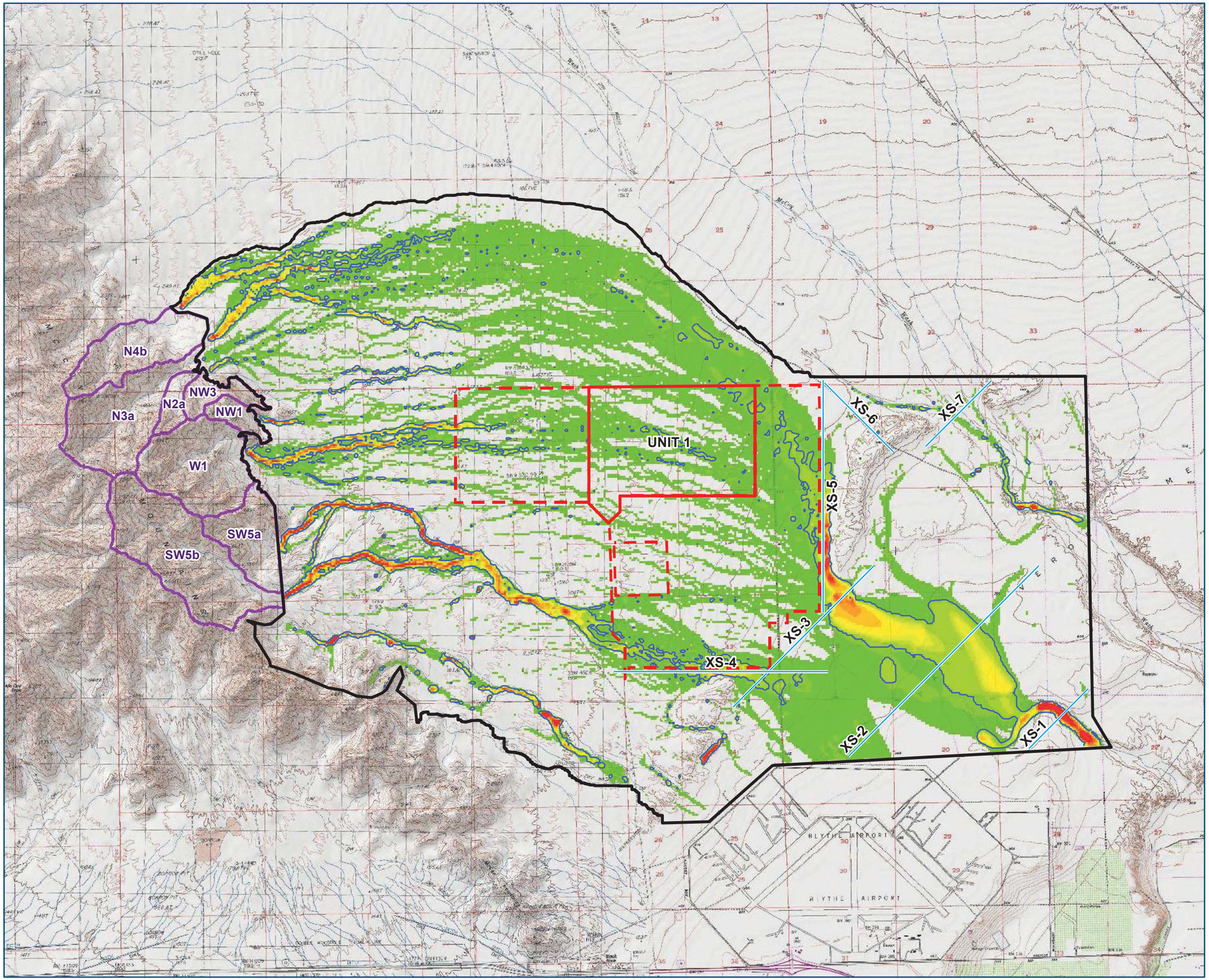
PDF File Path: NextEra\60280294_Blythe\GIS\Maps\BSPP
Date Modified: March 29, 2013
Projection: NAD 1983 State Plane, California VI, Feet
Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
AECOM



Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE C7
100-YEAR STORM EVENT
MAX FLOW DEPTH
POST-DEVELOPMENT (UNIT 1)

Legend

- BSPP Unit 1 Boundary
- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow*
- Flow Analysis Cross Sections

Flow Depth (feet)

0.0 - 0.2	1.1 - 1.2
0.3 - 0.4	1.3 - 1.4
0.5 - 0.6	1.5 - 1.6
0.7 - 0.8	1.7 - 1.8
0.8 - 0.9	1.9 - 2.0
0.9 - 1.0	> 2.0

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

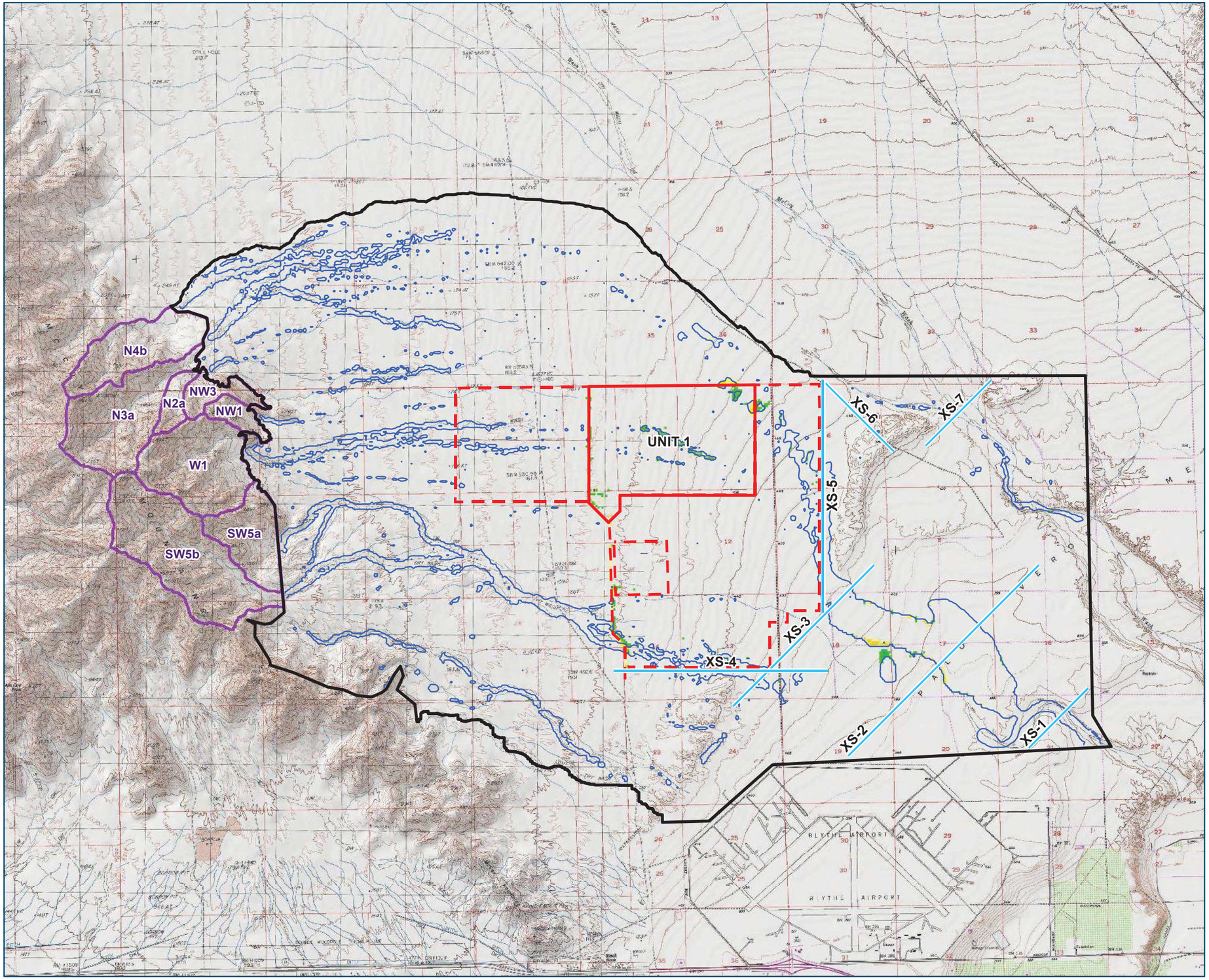
0 5,000 10,000 Feet

N

PROJECT LOCATOR MAP

File Name: Fig_C7_Depth_U1Post_100yr
MXD File Path: NextEra\60280294_Blythe\GIS\Layouts\BSPP
PDF File Path: NextEra\60280294_Blythe\GIS\Maps\BSPP
Date Modified: March 29, 2013
Projection: NAD 1983 State Plane, California VI, Feet
Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
AECOM



Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE C8
100-YEAR STORM EVENT
CHANGE IN MAX FLOW DEPTH
POST - PRE (UNIT 1)

Legend

- BSPP Unit 1 Boundary
- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow (Post-Development)*
- Flow Analysis Cross Sections

Change in Max Flow Depth (feet)

> 0.7	-0.1 - -0.05
0.6 - 0.7	-0.2 - -0.1
0.5 - 0.6	-0.3 - -0.2
0.4 - 0.5	-0.4 - -0.3
0.3 - 0.4	-0.5 - -0.4
0.2 - 0.3	-0.6 - -0.5
0.1 - 0.2	-0.7 - -0.6
0.05 - 0.1	< -0.7
-0.05 - 0.05	

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

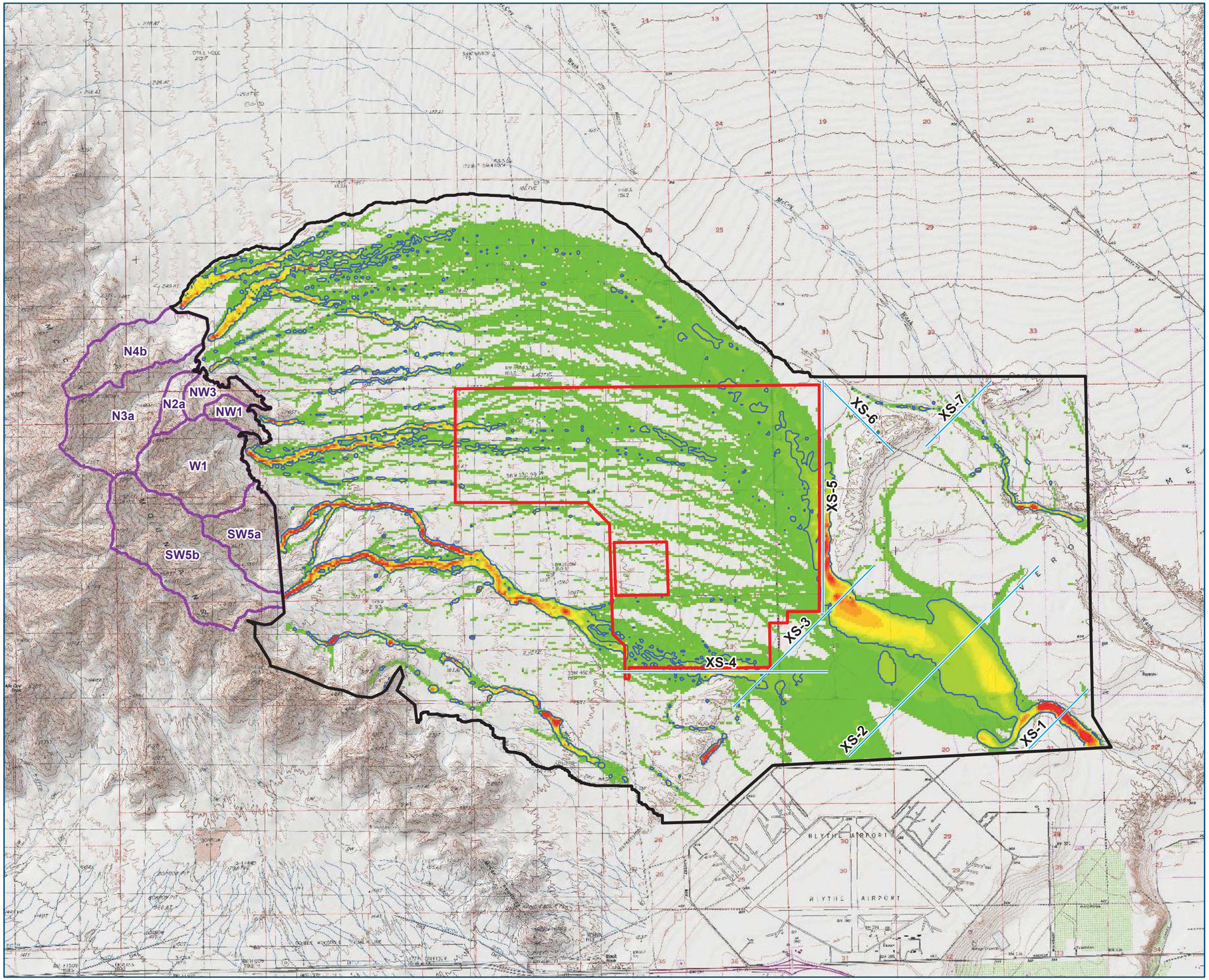
0 5,000 10,000 Feet

N

PROJECT LOCATOR MAP

File Name: Fig_C8_Depth_U1Delta_100yr
MXD File Path: NextEra\60280294_Blythe\GIS\Layouts\BSPP
PDF File Path: NextEra\60280294_Blythe\GIS\Maps\BSPP
Date Modified: March 29, 2013
Projection: NAD 1983 State Plane, California VI, Feet
Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
AECOM



Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE C9
100-YEAR STORM EVENT
MAX FLOW DEPTH
POST-DEVELOPMENT (ALL UNITS)

Legend

- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow*
- Flow Analysis Cross Sections

Flow Depth (feet)

0.0 - 0.2	1.1 - 1.2
0.3 - 0.4	1.3 - 1.4
0.5 - 0.6	1.5 - 1.6
0.7 - 0.8	1.7 - 1.8
0.8 - 0.9	1.9 - 2.0
0.9 - 1.0	> 2.0

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

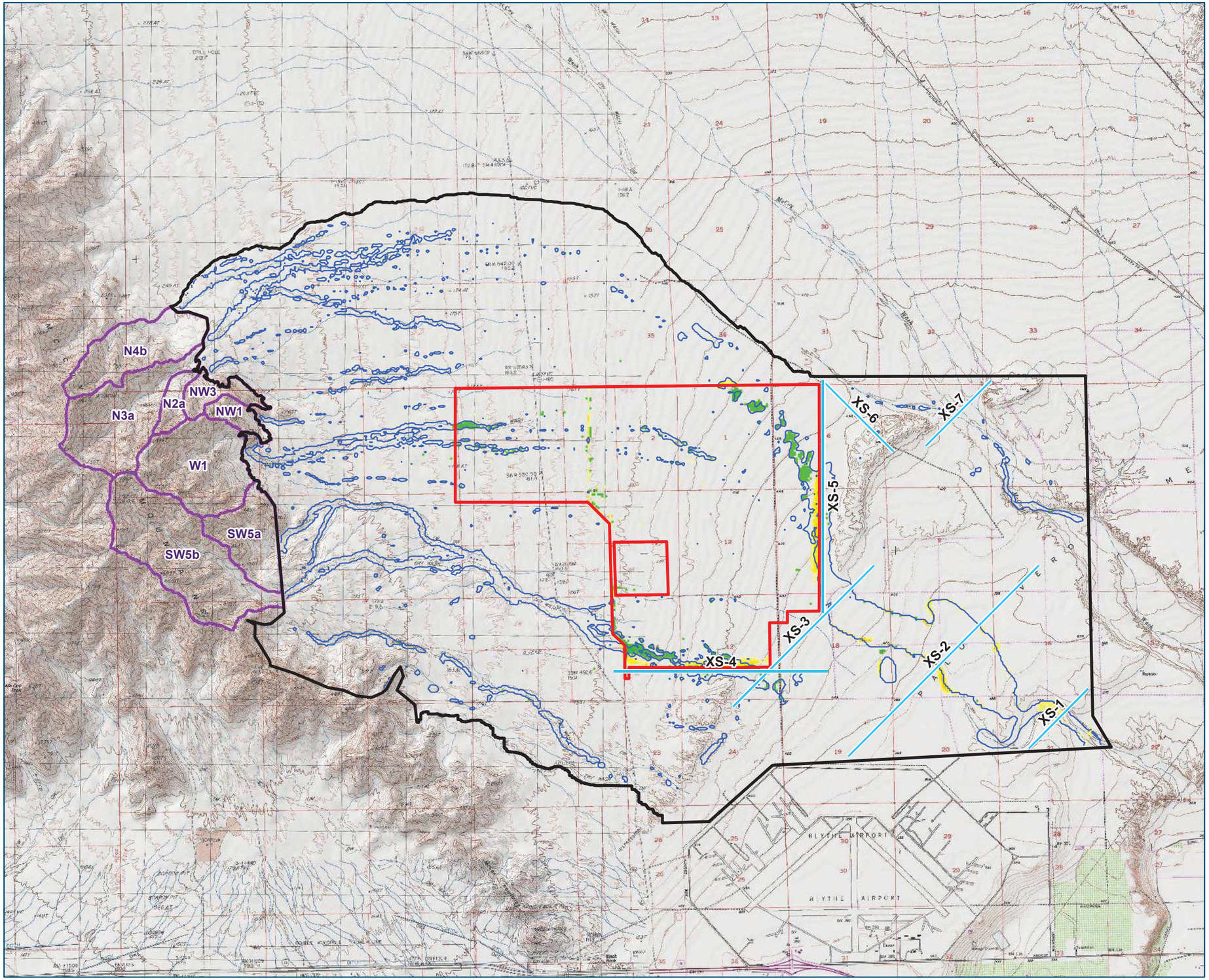
0 5,000 10,000 Feet

N

PROJECT LOCATOR MAP

File Name: Fig_C9_Depth_Post_100yr
MXD File Path: NextEra\60280294_Blythe\GIS\Layouts\BSPP
PDF File Path: NextEra\60280294_Blythe\GIS\Maps\BSPP
Date Modified: March 29, 2013
Projection: NAD 1983 State Plane, California VI, Feet
Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

NEXTera ENERGY RESOURCES
AECOM



Blythe Solar Power Project

Riverside County, CA **03/29/2013**

FIGURE C10
100-YEAR STORM EVENT
CHANGE IN MAX FLOW DEPTH
POST - PRE (ALL UNITS)

Legend

- BSPP Site Boundary
- FLO-2D Model Boundary
- HEC-HMS Model Subbasin Boundaries
- Area of Concentrated Flow (Post-Development)*
- Flow Analysis Cross Sections

Change in Max Flow Depth (feet)

> 0.7	-0.1 - -0.05
0.6 - 0.7	-0.2 - -0.1
0.5 - 0.6	-0.3 - -0.2
0.4 - 0.5	-0.4 - -0.3
0.3 - 0.4	-0.5 - -0.4
0.2 - 0.3	-0.6 - -0.5
0.1 - 0.2	-0.7 - -0.6
0.05 - 0.1	< -0.7
-0.05 - 0.05	

*Area of maximum concentrated flow with water depth exceeding 0.5 feet

0 5,000 10,000 Feet

N

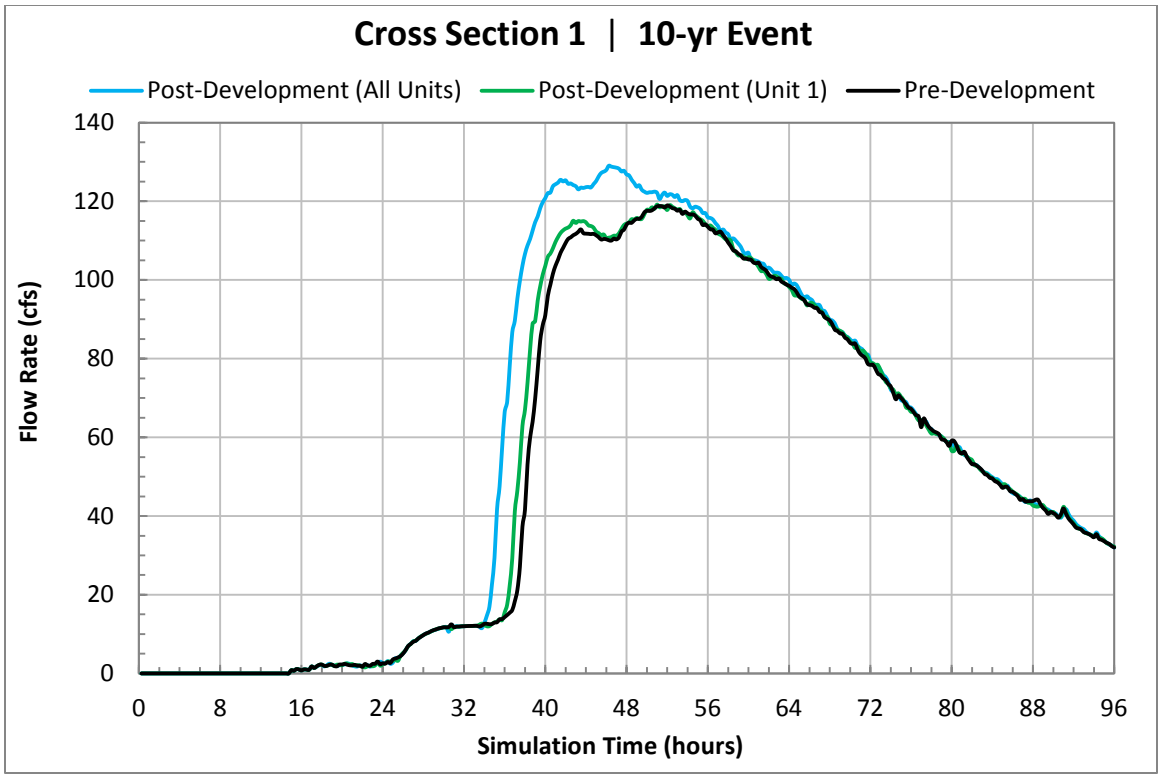
PROJECT LOCATOR MAP

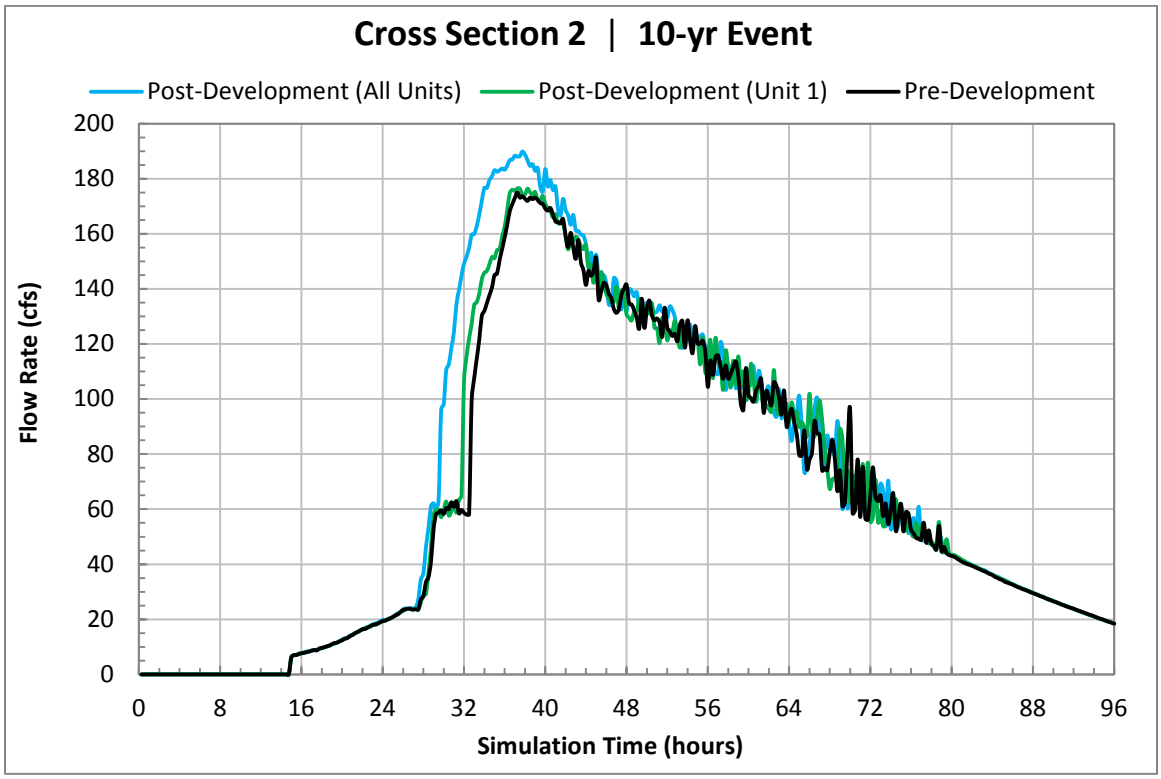
File Name: Fig_C10_Depth_Delta_100yr
MXD File Path: NextEra\60280294_Blythe\GIS\Layouts\DELTA_100YR
PDF File Path: NextEra\60280294_Blythe\GIS\Maps\DELTA_100YR
Date Modified: March 29, 2013
Projection: NAD 1983 State Plane, California VI, Feet
Data Sources: ESRI, USGS, US Census, TetraTech, NextEra

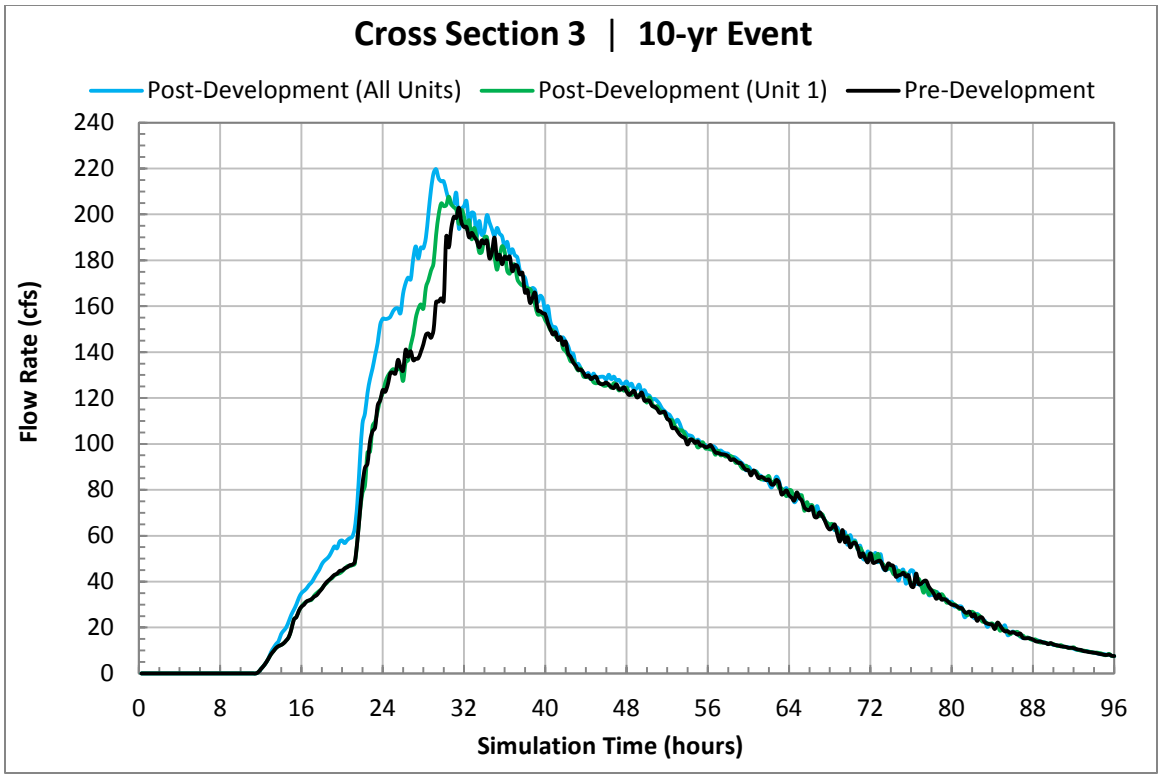
NEXTera ENERGY RESOURCES
AECOM

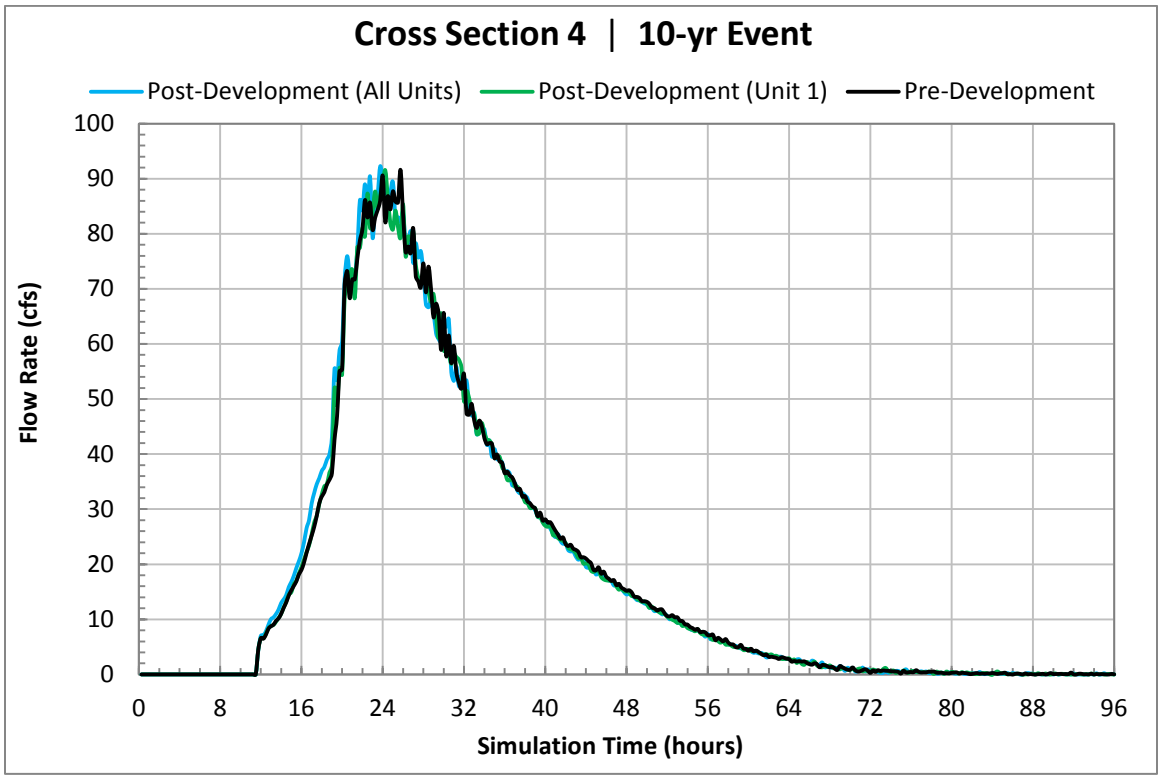
APPENDIX D

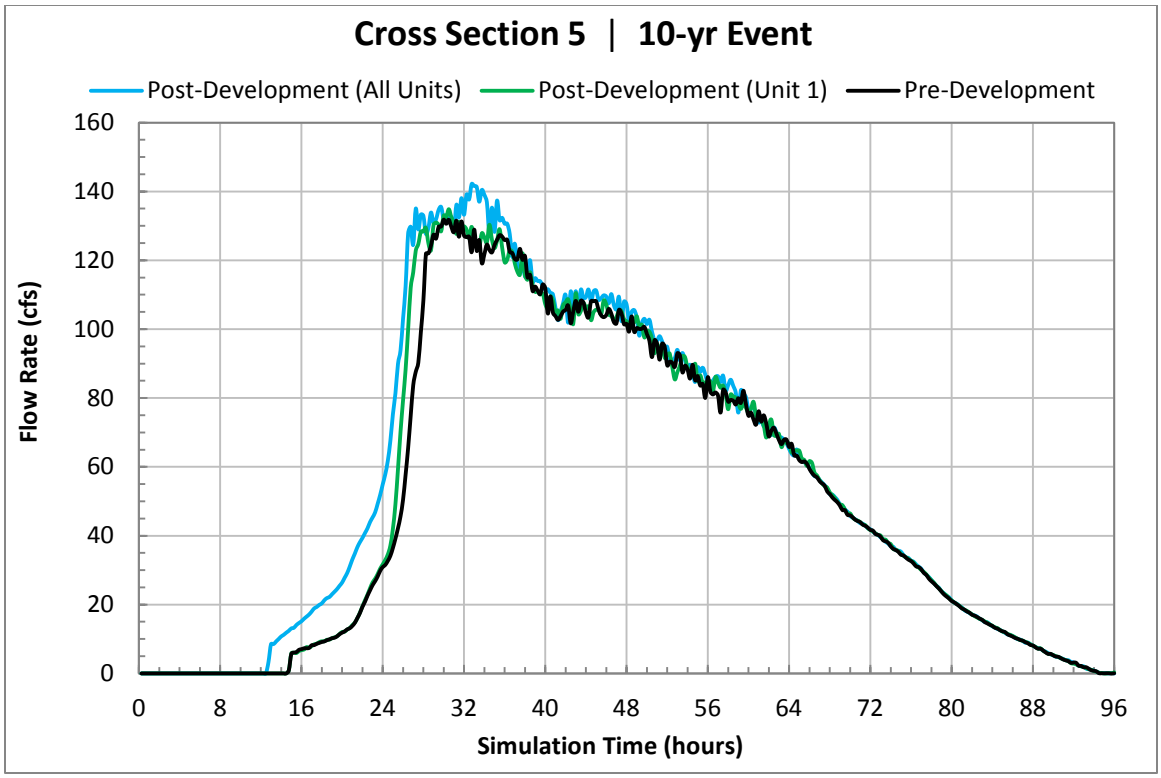
10-Year Event Hydrographs for Flow Measurement Cross-Sections

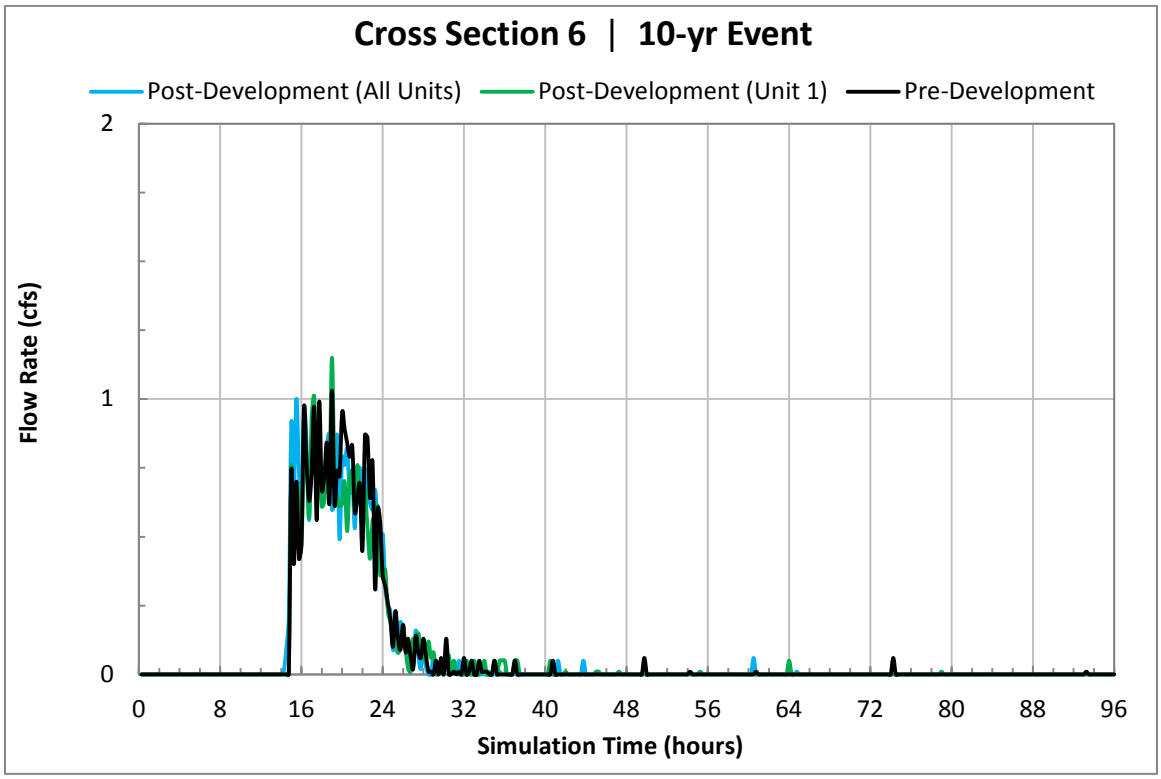

Cross Section 1 | 10-yr Event
Post-Development (All Units)
Post-Development (Unit 1)
Pre-Development
Flow Rate (cfs)
0
20
40
60
80
100
120
140
0
8
16
24
32
40
48
56
64
72
80
88
96
Simulation Time (hours)

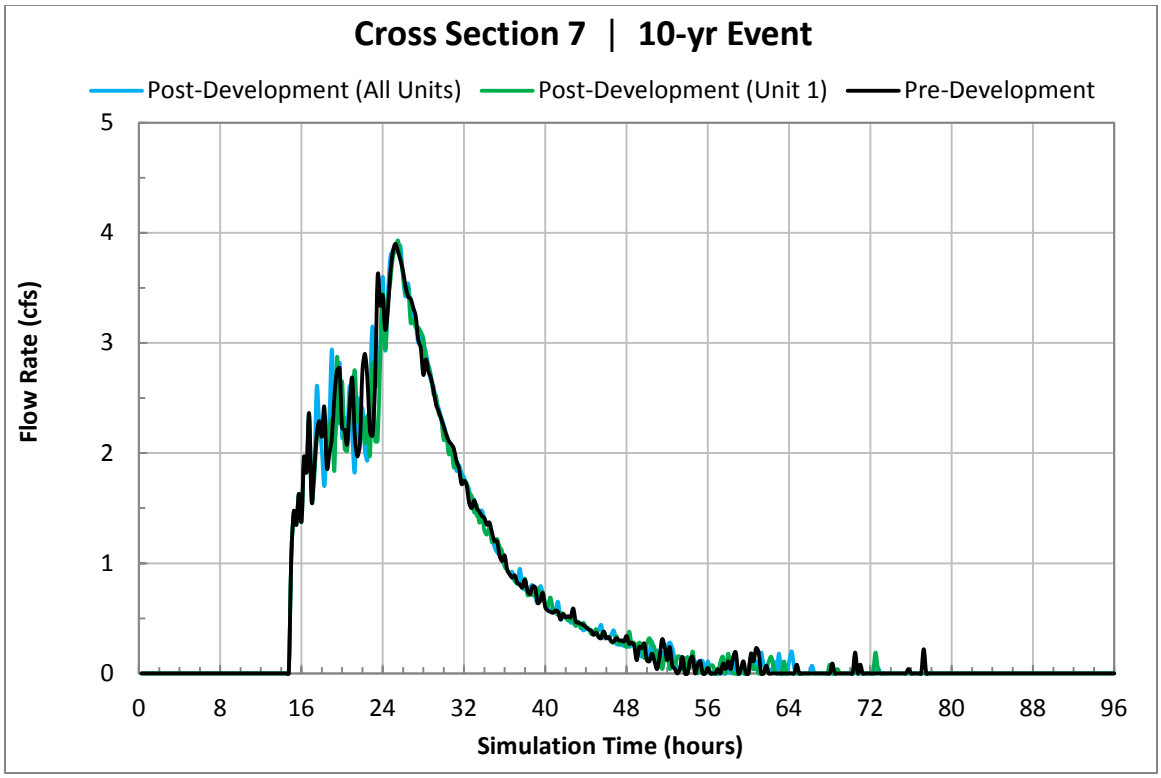

Cross Section 2 | 10-yr Event
Post-Development (All Units)
Post-Development (Unit 1)
Pre-Development
Flow Rate (cfs)
0
20
40
60
80
100
120
140
160
180
200
0
8
16
24
32
40
48
56
64
72
80
88
96
Simulation Time (hours)


Cross Section 3 | 10-yr Event
Post-Development (All Units)
Post-Development (Unit 1)
Pre-Development
Flow Rate (cfs)
0
20
40
60
80
100
120
140
160
180
200
220
240
0
8
16
24
32
40
48
56
64
72
80
88
96
Simulation Time (hours)


Cross Section 4 | 10-yr Event
Post-Development (All Units)
Post-Development (Unit 1)
Pre-Development
Flow Rate (cfs)
0
10
20
30
40
50
60
70
80
90
100
0
8
16
24
32
40
48
56
64
72
80
88
96
Simulation Time (hours)

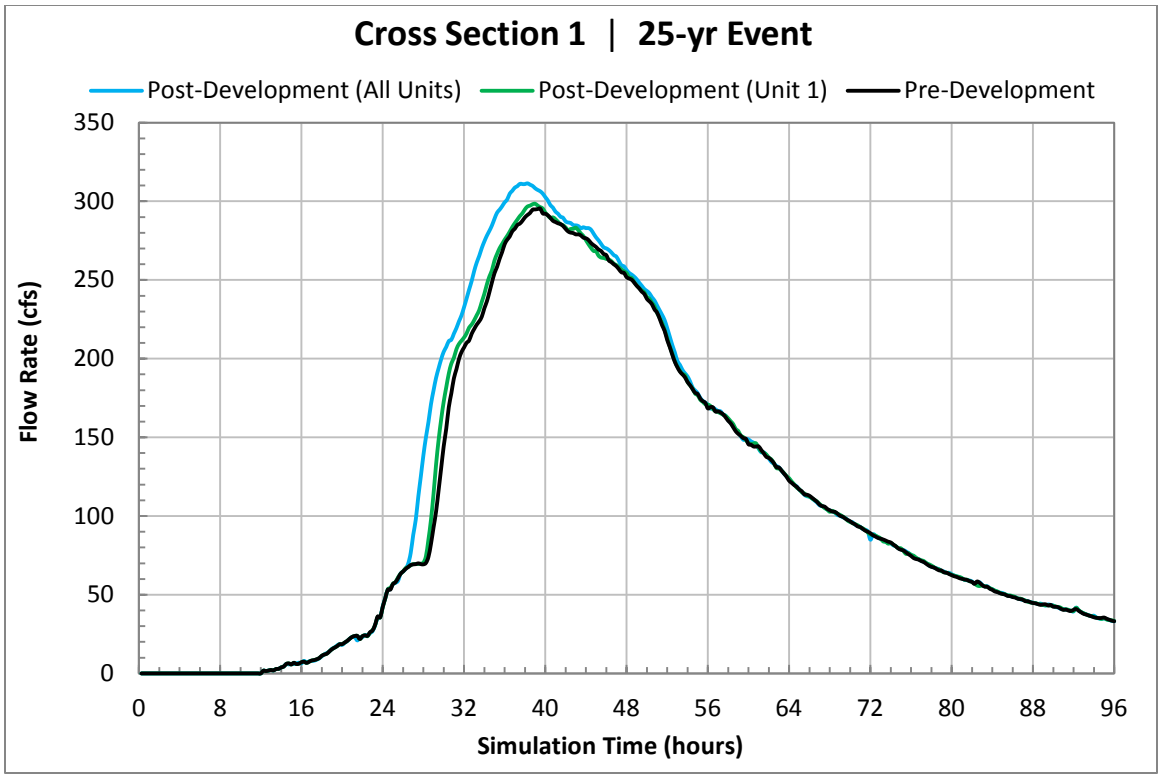

Cross Section 5 | 10-yr Event
Post-Development (All Units)
Post-Development (Unit 1)
Pre-Development
Flow Rate (cfs)
0
20
40
60
80
100
120
140
160
0
8
16
24
32
40
48
56
64
72
80
88
96
Simulation Time (hours)

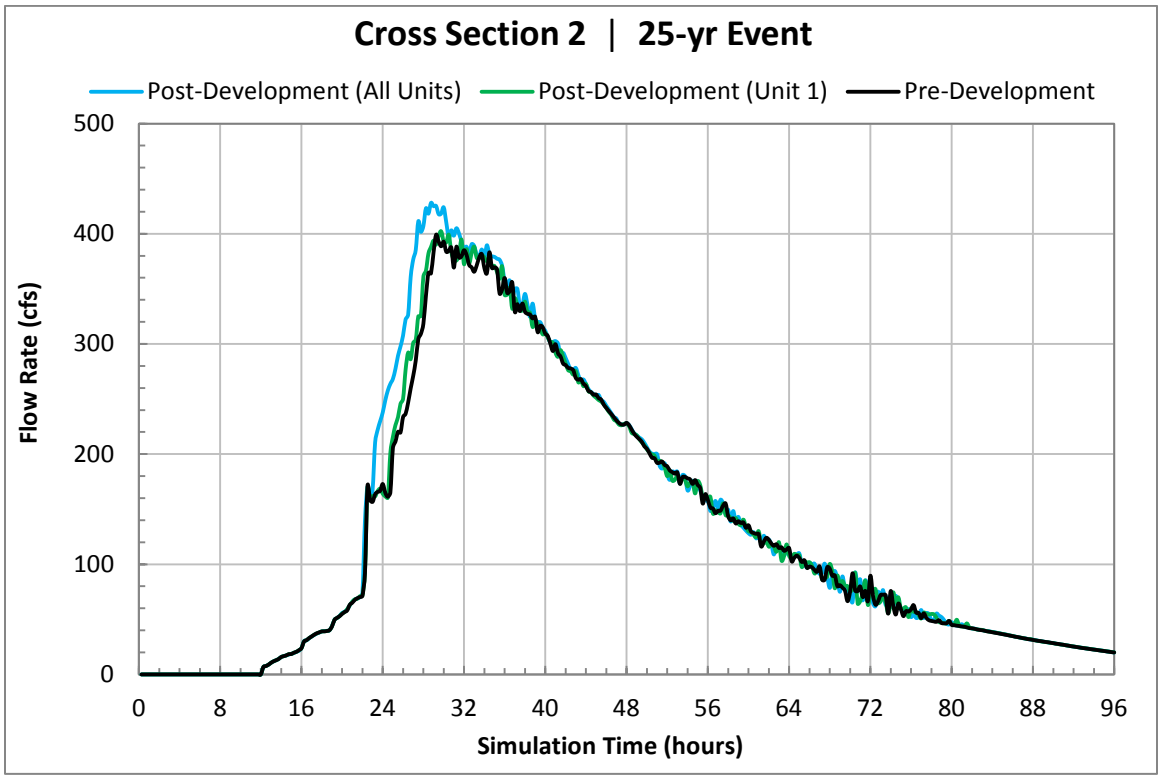

Cross Section 6 | 10-yr Event
Post-Development (All Units)
Post-Development (Unit 1)
Pre-Development
Flow Rate (cfs)
0
1
2
0
8
16
24
32
40
48
56
64
72
80
88
96
Simulation Time (hours)

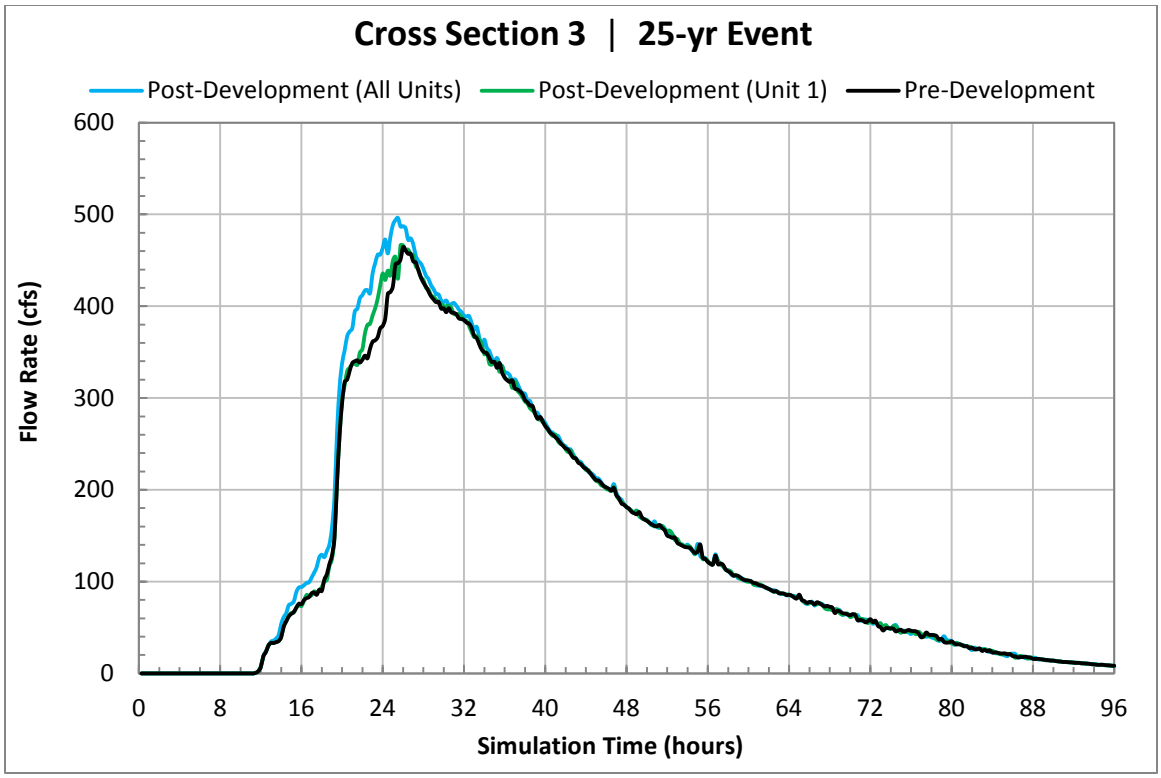

Cross Section 7 | 10-yr Event
Post-Development (All Units)
Post-Development (Unit 1)
Pre-Development
Flow Rate (cfs)
0
1
2
3
4
5
0
8
16
24
32
40
48
56
64
72
80
88
96
Simulation Time (hours)

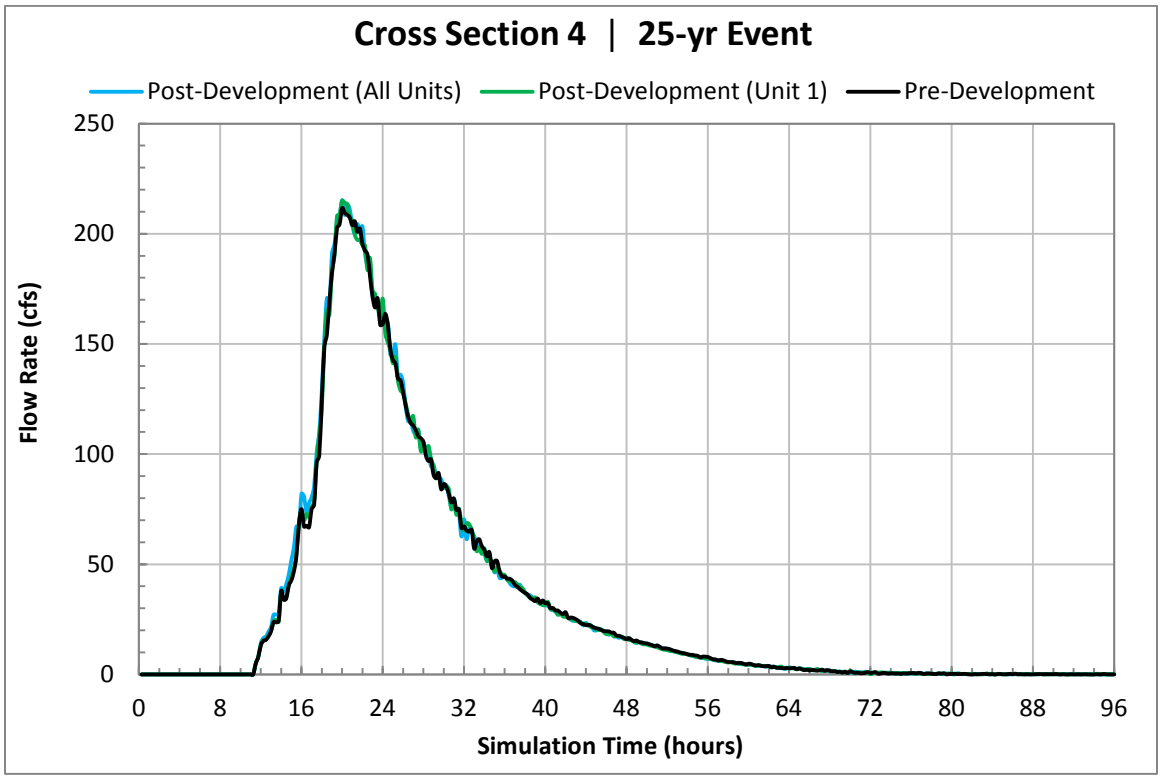
APPENDIX E

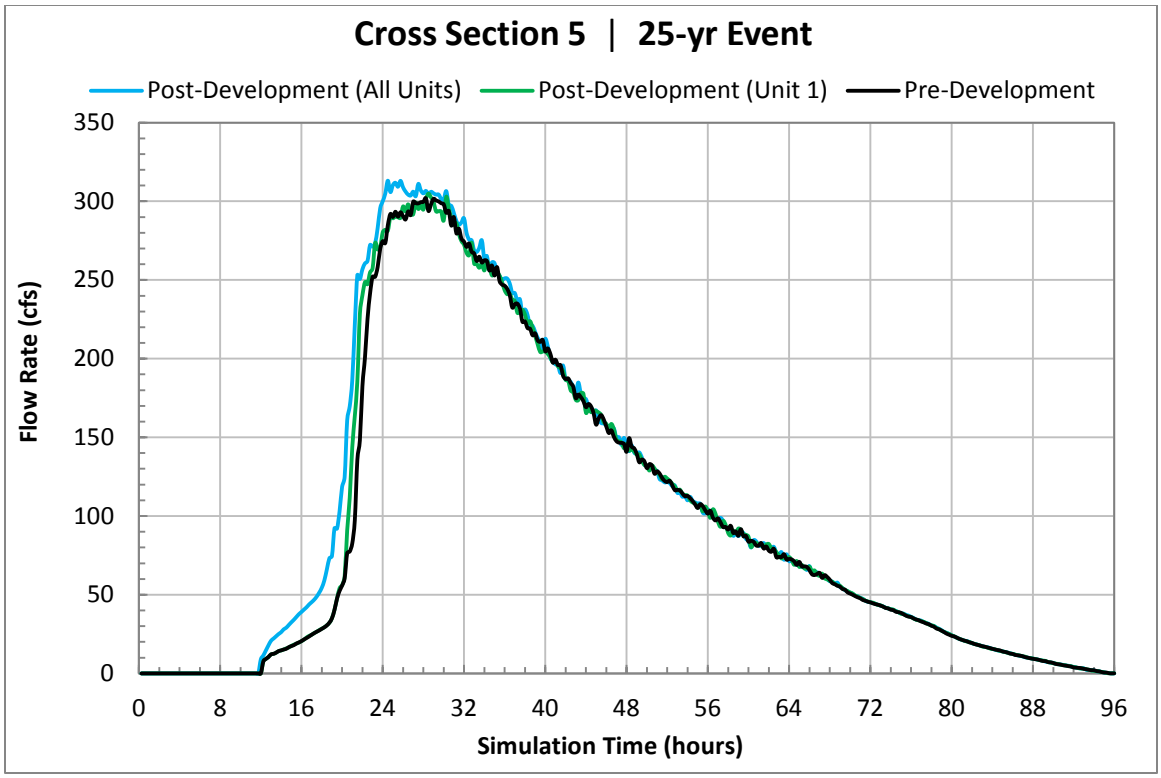
25-Year Event Hydrographs for Flow Measurement Cross-Sections

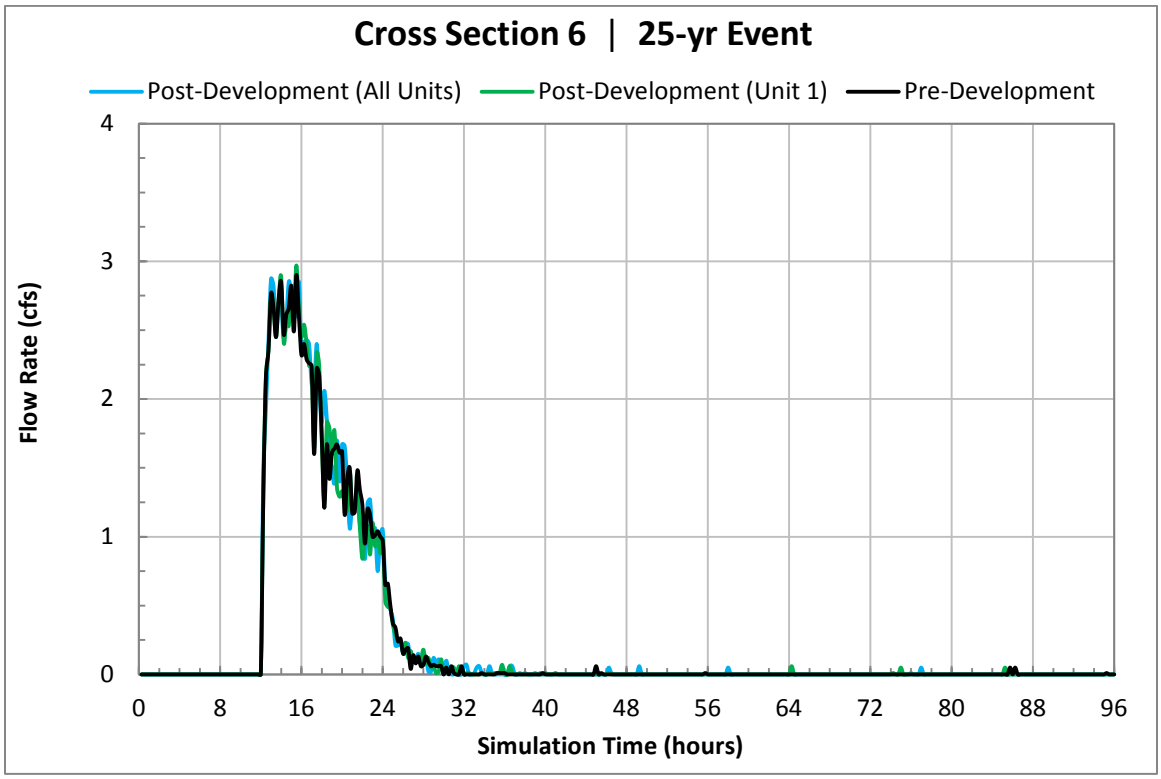

Cross Section 1 | 25-yr Event
Post-Development (All Units)
Post-Development (Unit 1)
Pre-Development
Flow Rate (cfs)
350
300
250
200
150
100
50
0
0
8
16
24
32
40
48
56
64
72
80
88
96
Simulation Time (hours)

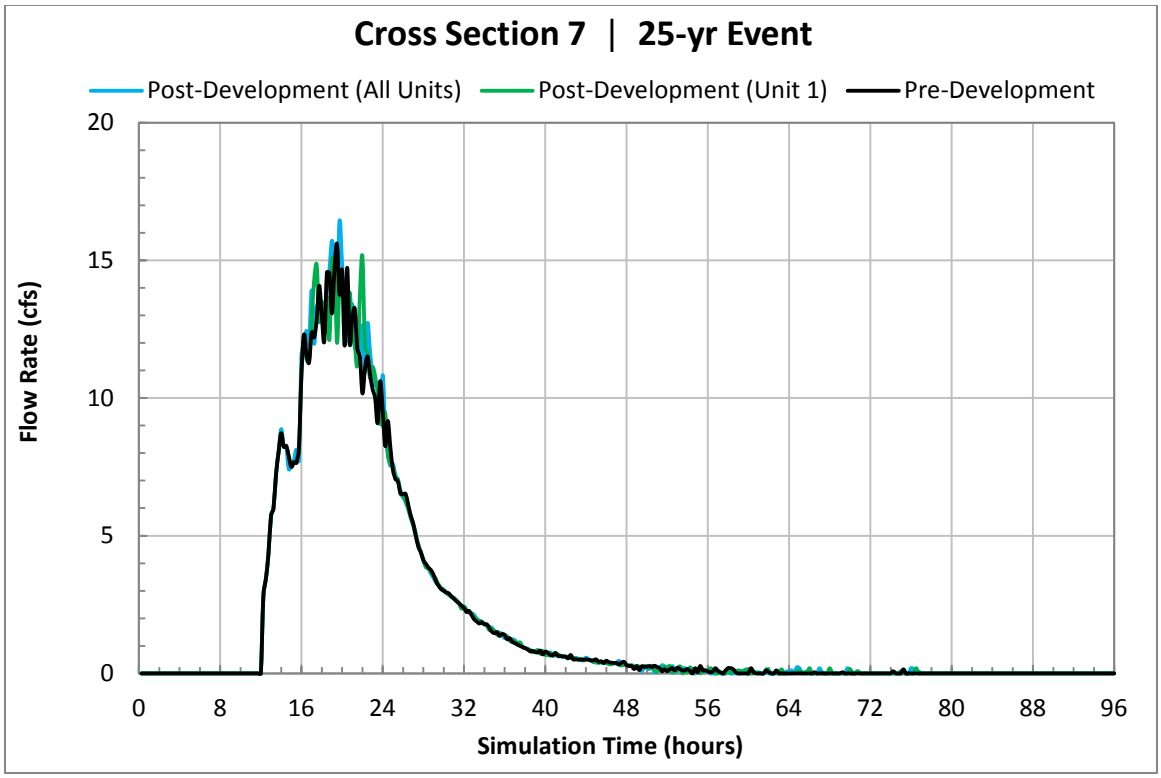

Cross Section 2 | 25-yr Event
Post-Development (All Units)
Post-Development (Unit 1)
Pre-Development
Flow Rate (cfs)
500
400
300
200
100
0
0
8
16
24
32
40
48
56
64
72
80
88
96
Simulation Time (hours)


Cross Section 3 | 25-yr Event
Post-Development (All Units)
Post-Development (Unit 1)
Pre-Development
Flow Rate (cfs)
600
500
400
300
200
100
0
0
8
16
24
32
40
48
56
64
72
80
88
96
Simulation Time (hours)


Cross Section 4 | 25-yr Event
Post-Development (All Units)
Post-Development (Unit 1)
Pre-Development
Flow Rate (cfs)
250
200
150
100
50
0
0
8
16
24
32
40
48
56
64
72
80
88
96
Simulation Time (hours)

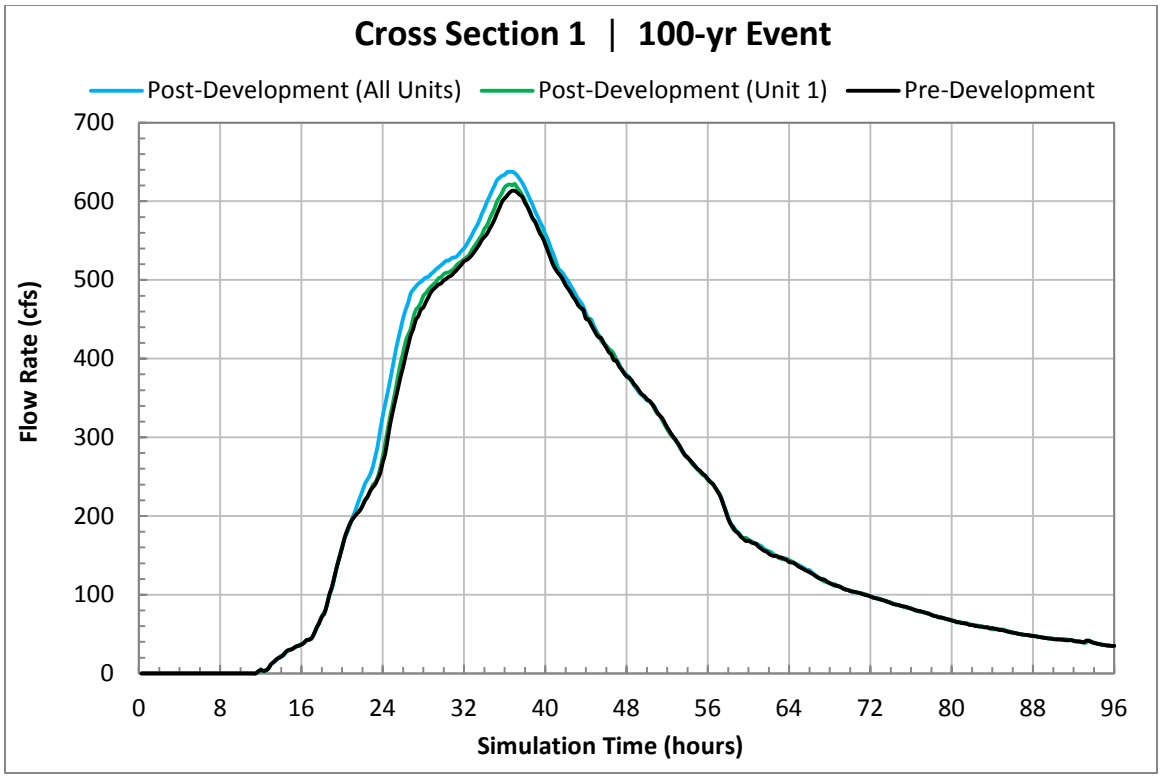

Cross Section 5 | 25-yr Event
Post-Development (All Units)
Post-Development (Unit 1)
Pre-Development
Flow Rate (cfs)
350
300
250
200
150
100
50
0
0
8
16
24
32
40
48
56
64
72
80
88
96
Simulation Time (hours)

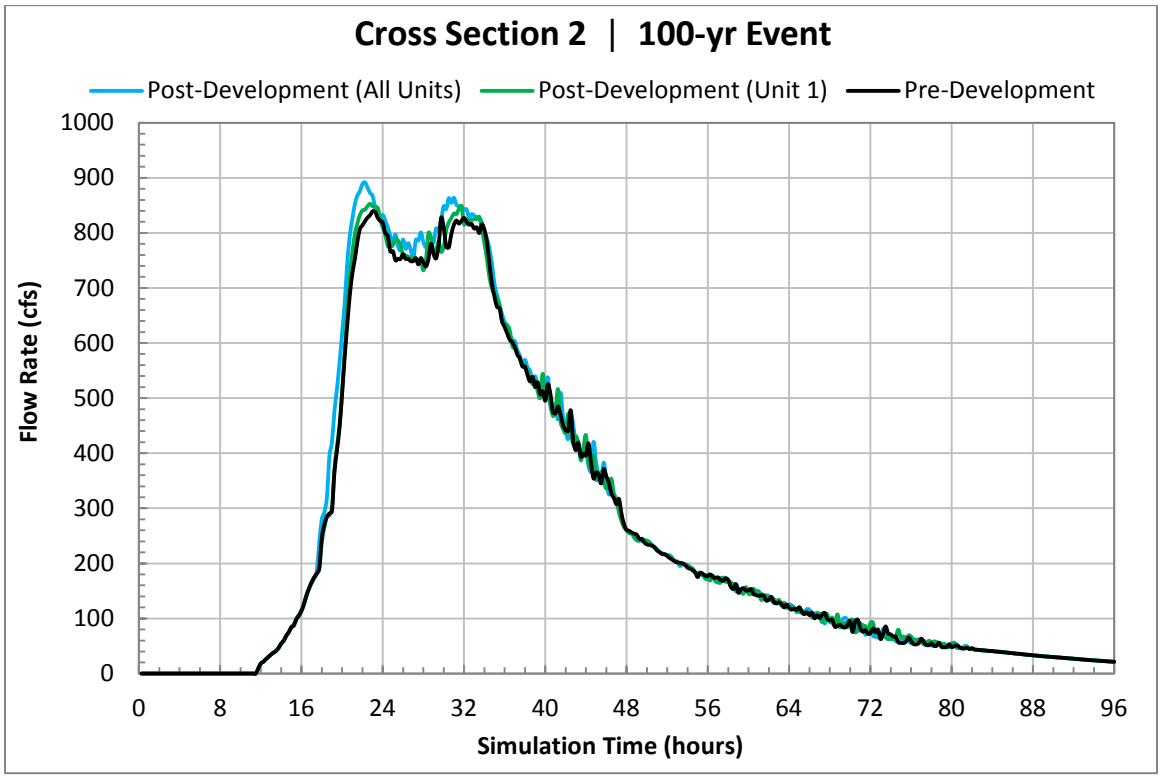

Cross Section 6 | 25-yr Event
Post-Development (All Units)
Post-Development (Unit 1)
Pre-Development
Flow Rate (cfs)
4
3
2
1
0
0
8
16
24
32
40
48
56
64
72
80
88
96
Simulation Time (hours)

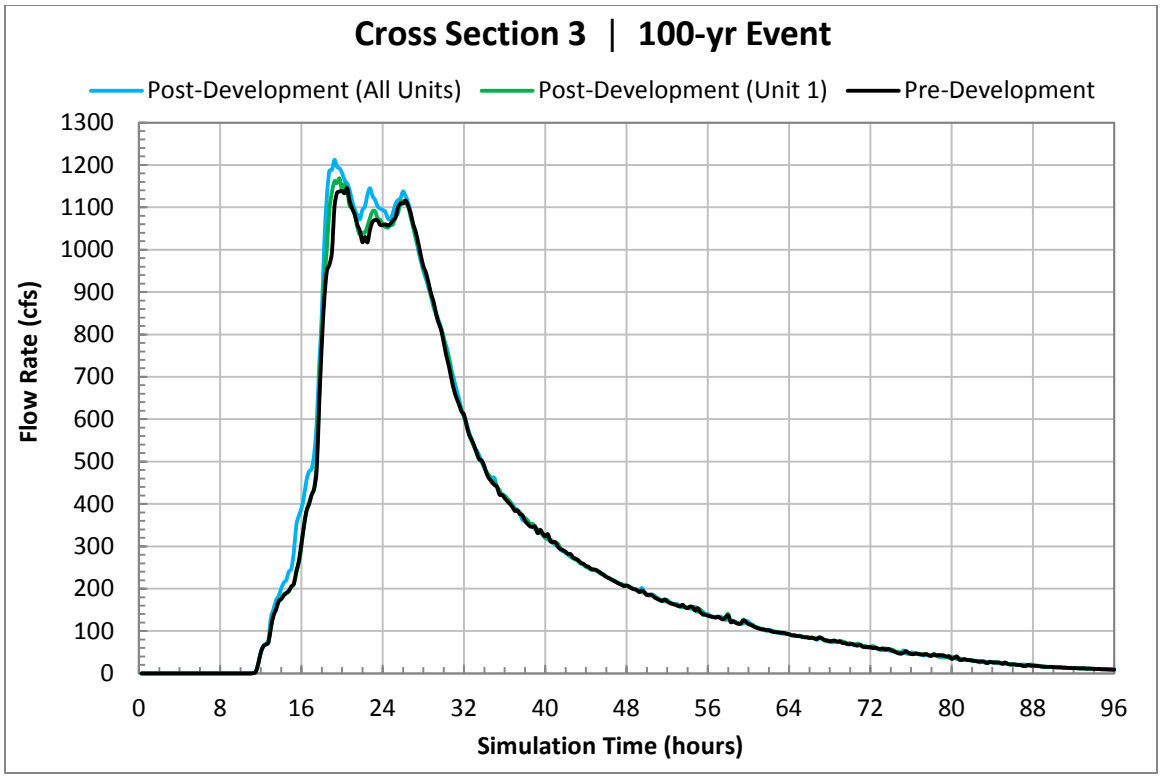

Cross Section 7 | 25-yr Event
Post-Development (All Units)
Post-Development (Unit 1)
Pre-Development
Flow Rate (cfs)
20
15
10
5
0
0
8
16
24
32
40
48
56
64
72
80
88
96
Simulation Time (hours)

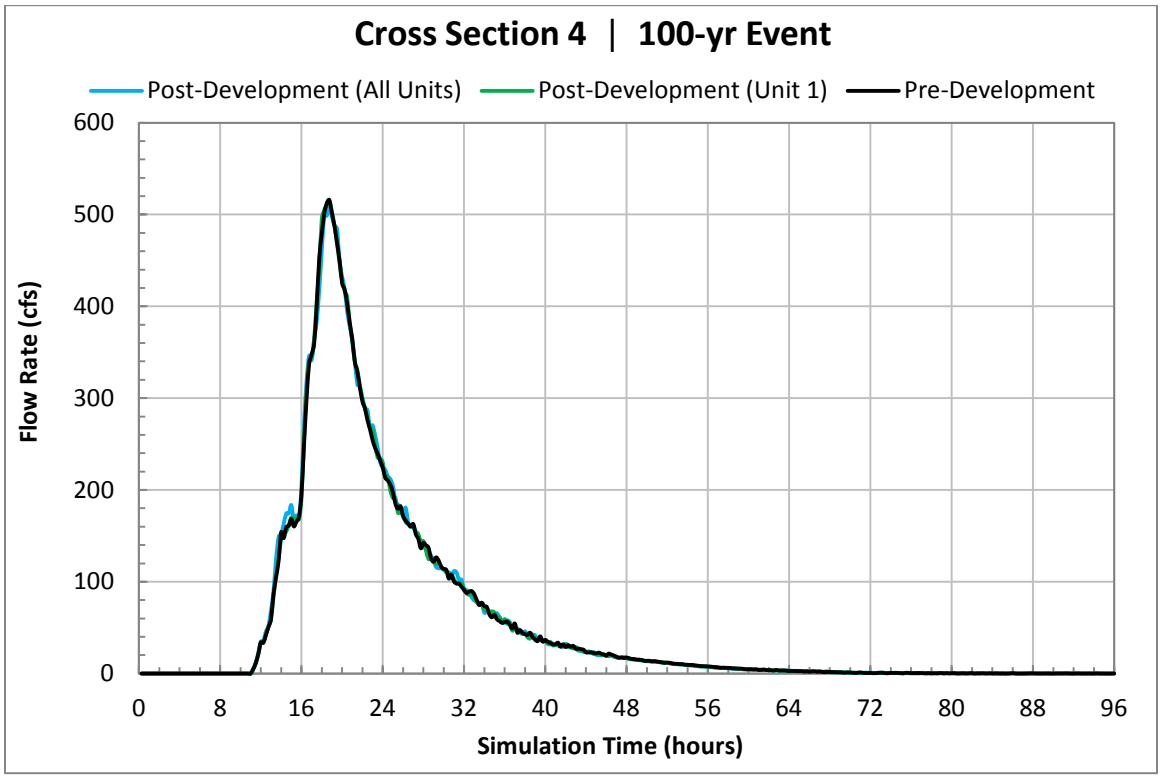
APPENDIX F

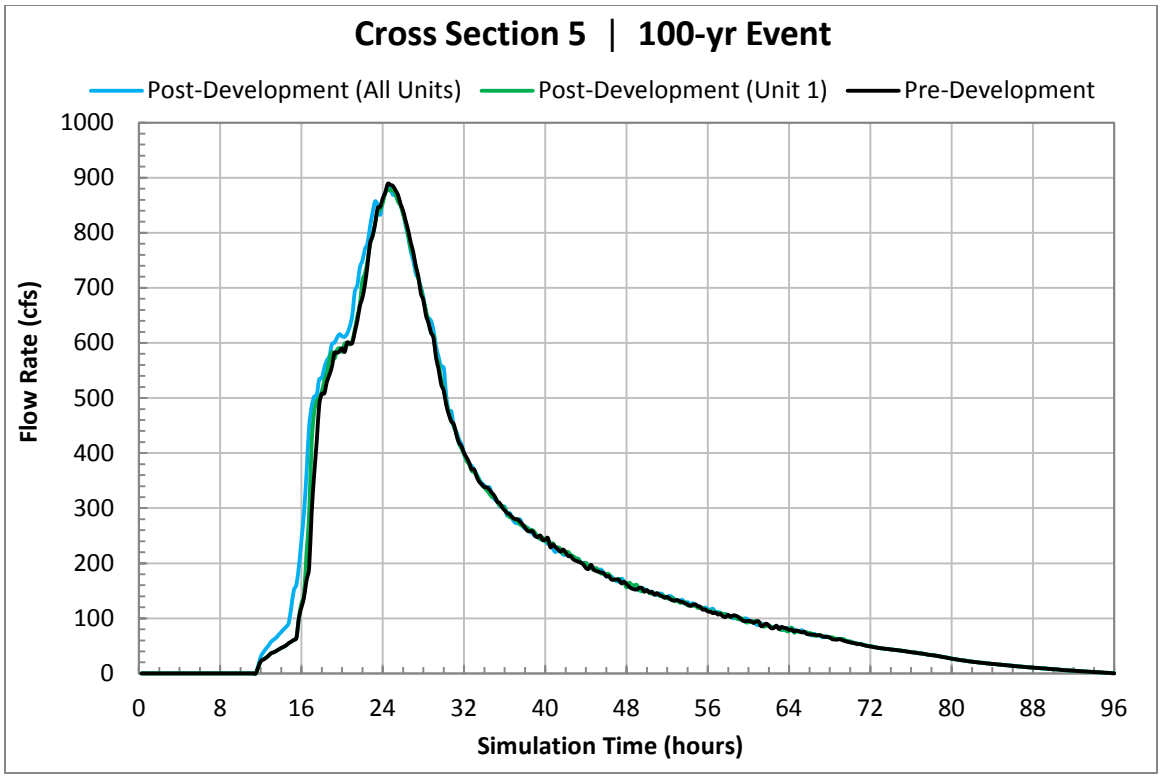
100-Year Event Hydrographs for Flow Measurement Cross-Sections

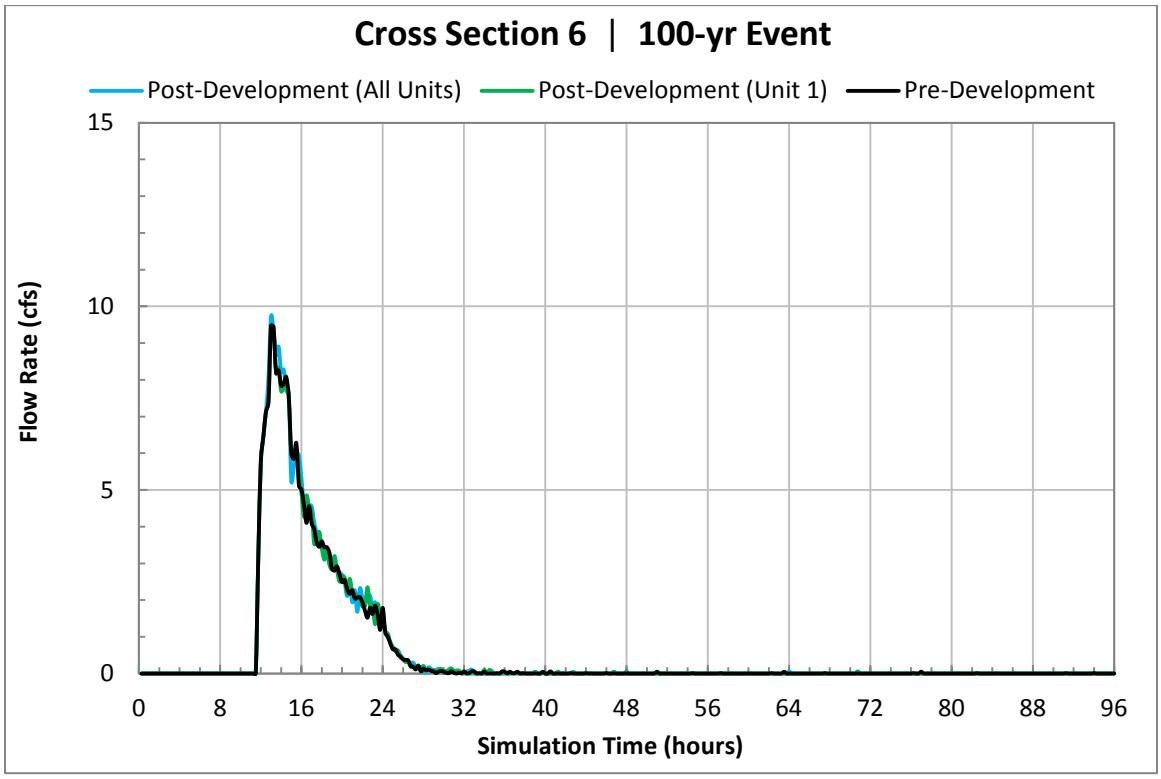

Cross Section 1 | 100-yr Event
Post-Development (All Units)
Post-Development (Unit 1)
Pre-Development
Flow Rate (cfs)
700
600
500
400
300
200
100
0
0
8
16
24
32
40
48
56
64
72
80
88
96
Simulation Time (hours)

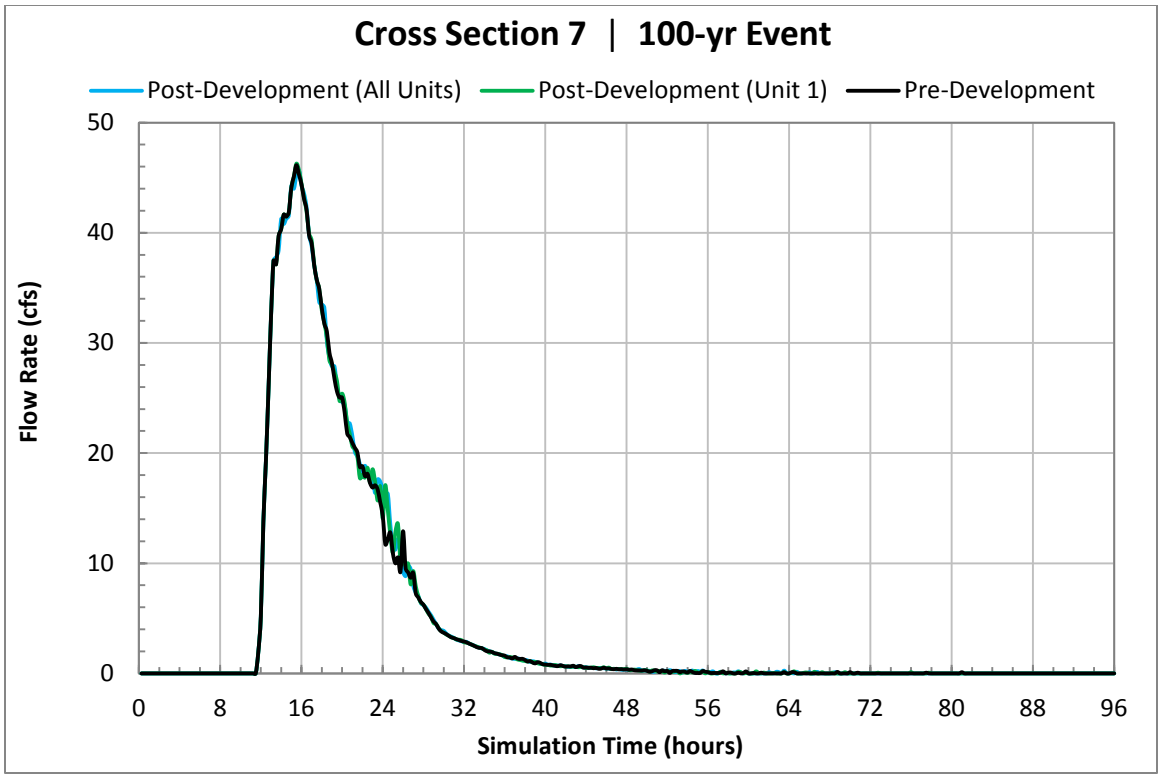

Cross Section 2 | 100-yr Event
Post-Development (All Units)
Post-Development (Unit 1)
Pre-Development
Flow Rate (cfs)
1000
900
800
700
600
500
400
300
200
100
0
0
8
16
24
32
40
48
56
64
72
80
88
96
Simulation Time (hours)


Cross Section 3 | 100-yr Event
Post-Development (All Units)
Post-Development (Unit 1)
Pre-Development
Flow Rate (cfs)
1300
1200
1100
1000
900
800
700
600
500
400
300
200
100
0
0
8
16
24
32
40
48
56
64
72
80
88
96
Simulation Time (hours)


Cross Section 4 | 100-yr Event
Post-Development (All Units)
Post-Development (Unit 1)
Pre-Development
Flow Rate (cfs)
600
500
400
300
200
100
0
0
8
16
24
32
40
48
56
64
72
80
88
96
Simulation Time (hours)


Cross Section 5 | 100-yr Event
Post-Development (All Units)
Post-Development (Unit 1)
Pre-Development
Flow Rate (cfs)
1000
900
800
700
600
500
400
300
200
100
0
0
8
16
24
32
40
48
56
64
72
80
88
96
Simulation Time (hours)


Cross Section 6 | 100-yr Event
Post-Development (All Units)
Post-Development (Unit 1)
Pre-Development
Flow Rate (cfs)
15
10
5
0
0
8
16
24
32
40
48
56
64
72
80
88
96
Simulation Time (hours)


Cross Section 7 | 100-yr Event
Post-Development (All Units)
Post-Development (Unit 1)
Pre-Development
Flow Rate (cfs)
50
40
30
20
10
0
0
8
16
24
32
40
48
56
64
72
80
88
96
Simulation Time (hours)

APPENDIX D ONE LINE DIAGRAM AND SWITCHYARD LAYOUT

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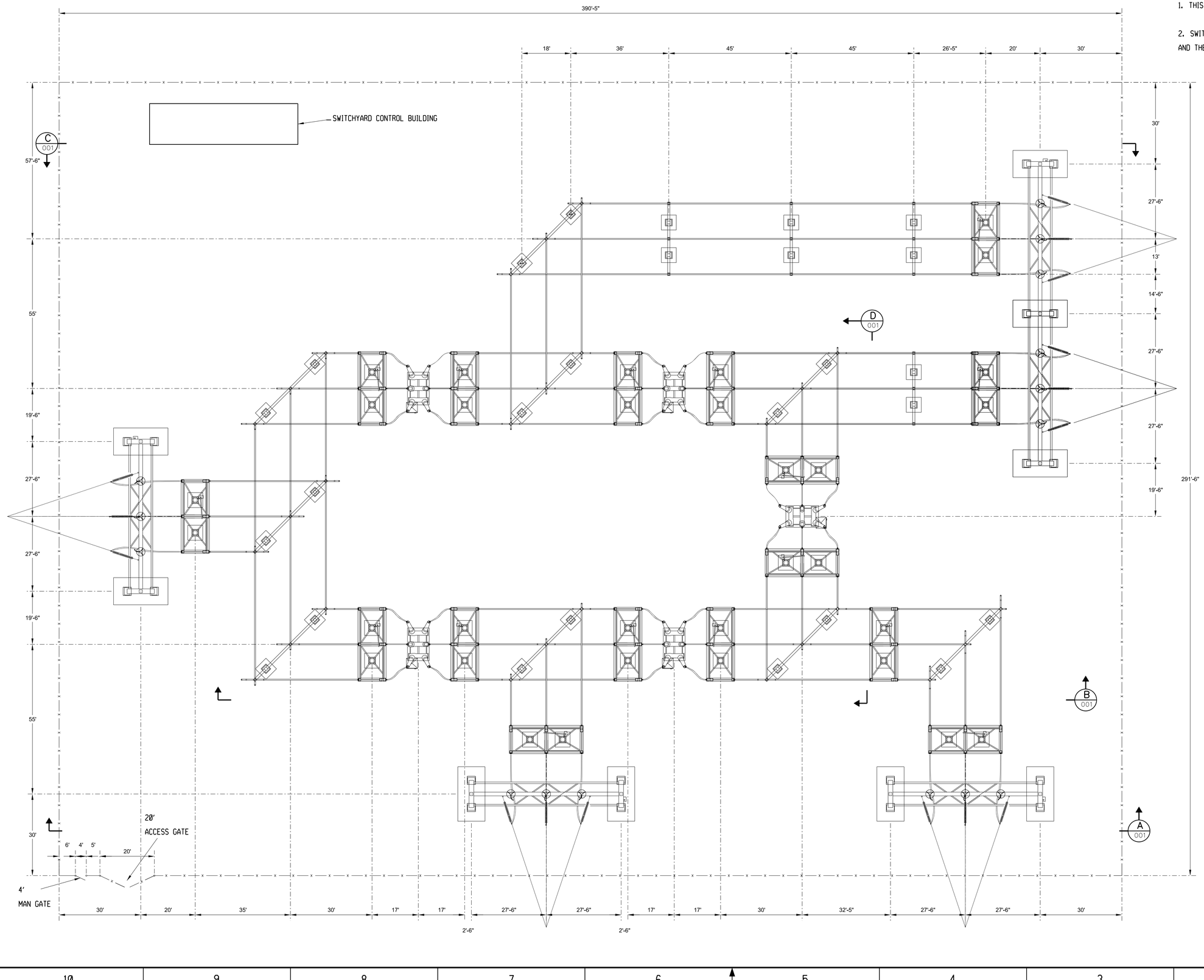
NOTE:

1. THIS DRAWING IS CONCEPTUAL AND IS NOT INTENDED FOR DETAIL DESIGN.

2. SWITCHYARD SHALL HAVE A MINIMUM 30' DRIVE ISLE BETWEEN EQUIPMENT AND THE FENCE.



N

NOT FOR CONSTRUCTION
FOR PERMITTING ONLY

REV	DATE	DESCRIPTION	DRAWN	CHECKED	LEAD DESIGNER	ENGINEER/ TECH. SPEC.	ENGINEER MANAGER	PROJECT MANAGER
A	03 27 13	ISSUED FOR 3D MODEL	PA	AB	PA	AB	AB	RH	AZ

PRELIMINARY STATUS — DATE — REPRESENTS GENERAL DESIGN CONCEPTS BASED ON ASSUMPTIONS. REVIEWED NOT CHECKED.
LDE

APPROVED STATUS — DATE — REPRESENTS REVIEWED AND APPROVED DESIGN. ANY PORTION MARKED "HOLD" RETAINS PRELIMINARY STATUS.
LDE

ORIGINATING PERSONNEL

DRAWN BY: P. ANGUIANO
CHECKED BY: A. BOLSTAD
LEAD DESIGNER: P. ANGUIANO
ENGINEER/TECH SPECIALIST: A. BOLSTAD
PROJECT ENGINEERING MANAGER: R. HILL
PROJECT MANAGER: A. ZIMMERMAN

Zero Harm — Leadership, No Incidents, Safe Behavior

PROFESSIONAL ENGINEER'S SEAL

ORIGINALLY PREPARED UNDER THE RESPONSIBLE SUPERVISION OF
PE: _____ STATE: _____
LIC. NO.: _____ DATE: _____

WorleyParsons
resources & energy

CLIENT/PROJECT TITLE
NEXTERA BLYTHE SOLAR ENERGY CENTER
BLYTHE SOLAR POWER PROJECT
RIVERSIDE COUNTY, CA

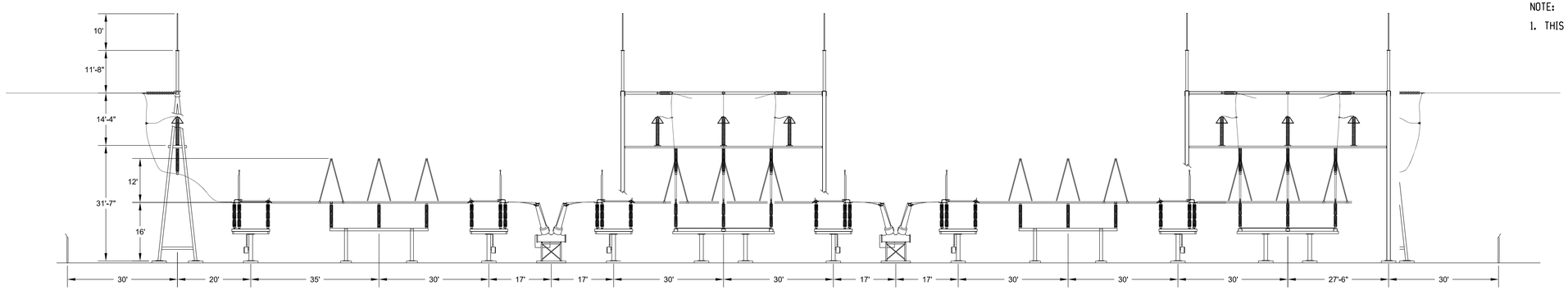
230kV SWITCHYARD GENERAL ARRANGEMENT

SCALE: 1/16" = 1'-0"
DRAWING SIZE: ARCH D (36" x 24")
WORLEYPARSONS DWG. NO.: BSPP-1-SK-111-102-002
REV: A

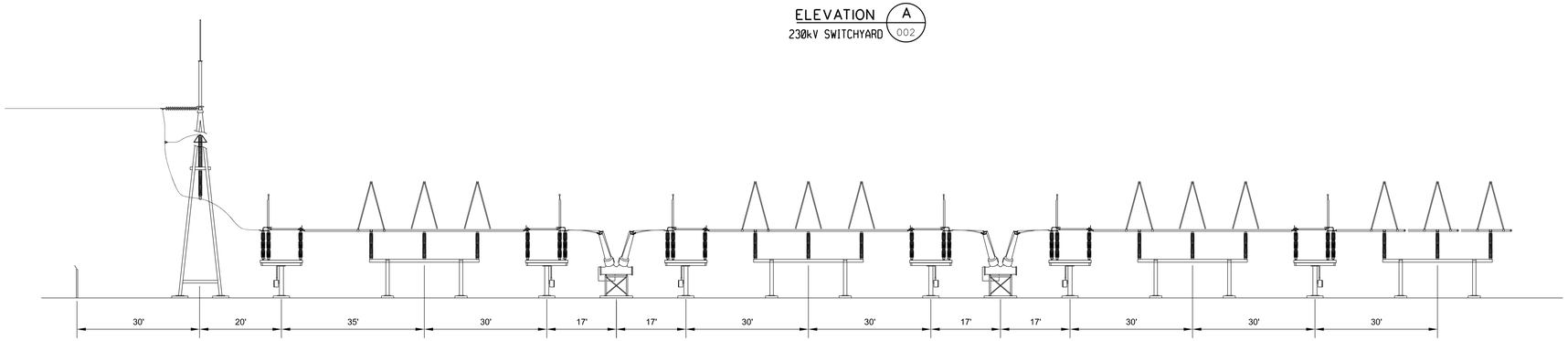
$$DESIGN-FILE-NAME$$
$$$DATE$$$ $$$$TIME$$$$

NOTE:

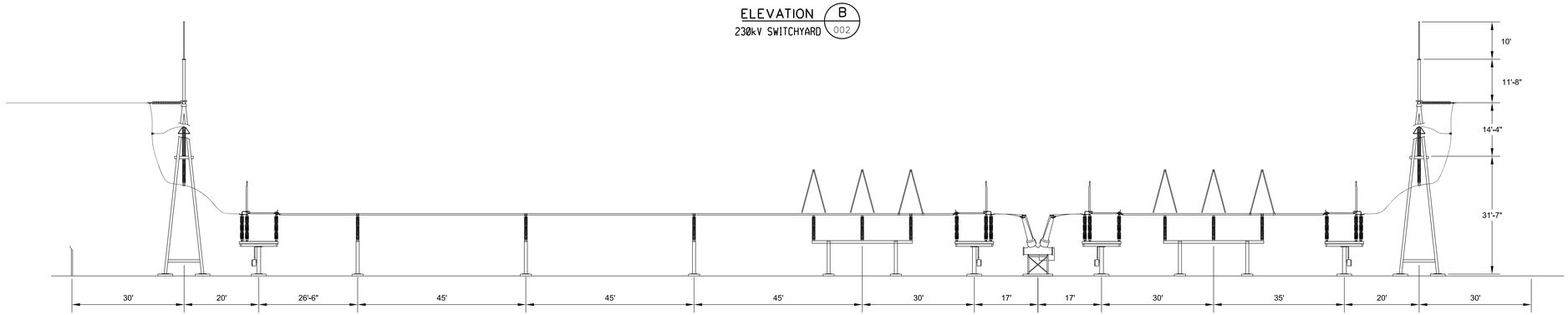
1. THIS DRAWING IS CONCEPTUAL AND IS NOT INTENDED FOR DETAIL DESIGN.



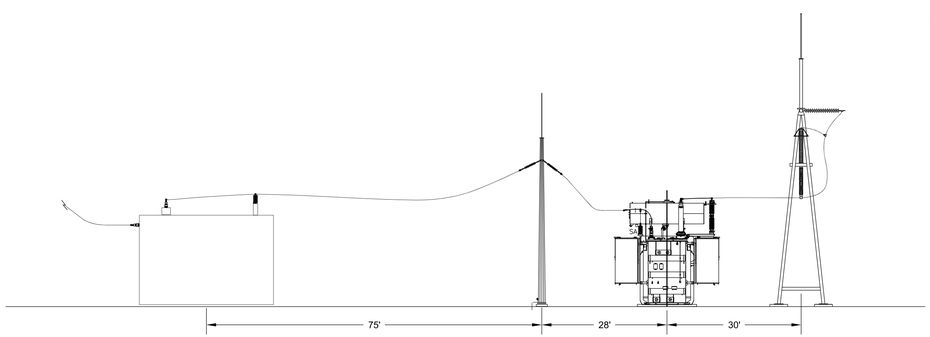
ELEVATION A
230kV SWITCHYARD 002



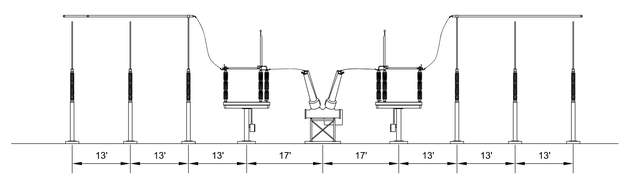
ELEVATION B
230kV SWITCHYARD 002



ELEVATION C
230kV SWITCHYARD 002



34.5kV CIRCUIT BREAKER AND
GSUs AT EACH UNIT IN THE FIELD
(UNIT STEP UP TRANSFORMER)



ELEVATION D
230kV SWITCHYARD 002

NOT FOR CONSTRUCTION
FOR PERMITTING ONLY

REV	DATE	DESCRIPTION	DRAWN	CHECKED	LEAD DESIGNER	ENGINEER/ TECH. SPEC.	LEAD ENGINEER	PROJ. ENGR. MANAGER	PROJECT MANAGER
B	03 27 13	ISSUED FOR 3D MODEL	PA	AB	PA	AB	AB	RH	AZ
A	02 07 13	ISSUED FOR 3D MODEL	PA	AB	PA	AB	AB	RH	AZ

PRELIMINARY STATUS — DATE — LDE
REPRESENTS GENERAL DESIGN CONCEPTS BASED ON ASSUMPTIONS. REVIEWED NOT CHECKED.

APPROVED STATUS — DATE — LDE
REPRESENTS REVIEWED AND APPROVED DESIGN. ANY PORTION MARKED "HOLD" RETAINS PRELIMINARY STATUS.

ORIGINATING PERSONNEL

DRAWN BY: P. ANGUIANO
CHECKED BY: A. BOLSTAD
LEAD DESIGNER: P. ANGUIANO
ENGINEER/TECH SPECIALIST: A. BOLSTAD
PROJECT ENGINEERING MANAGER: R. HILL
PROJECT MANAGER: A. ZIMMERMAN

PROFESSIONAL ENGINEER'S SEAL

Zero Harm — Leadership, No Incidents, Safe Behavior

ORIGINALLY PREPARED UNDER THE RESPONSIBLE SUPERVISION OF
PE: _____ STATE: _____
LIC. NO.: _____ DATE: _____

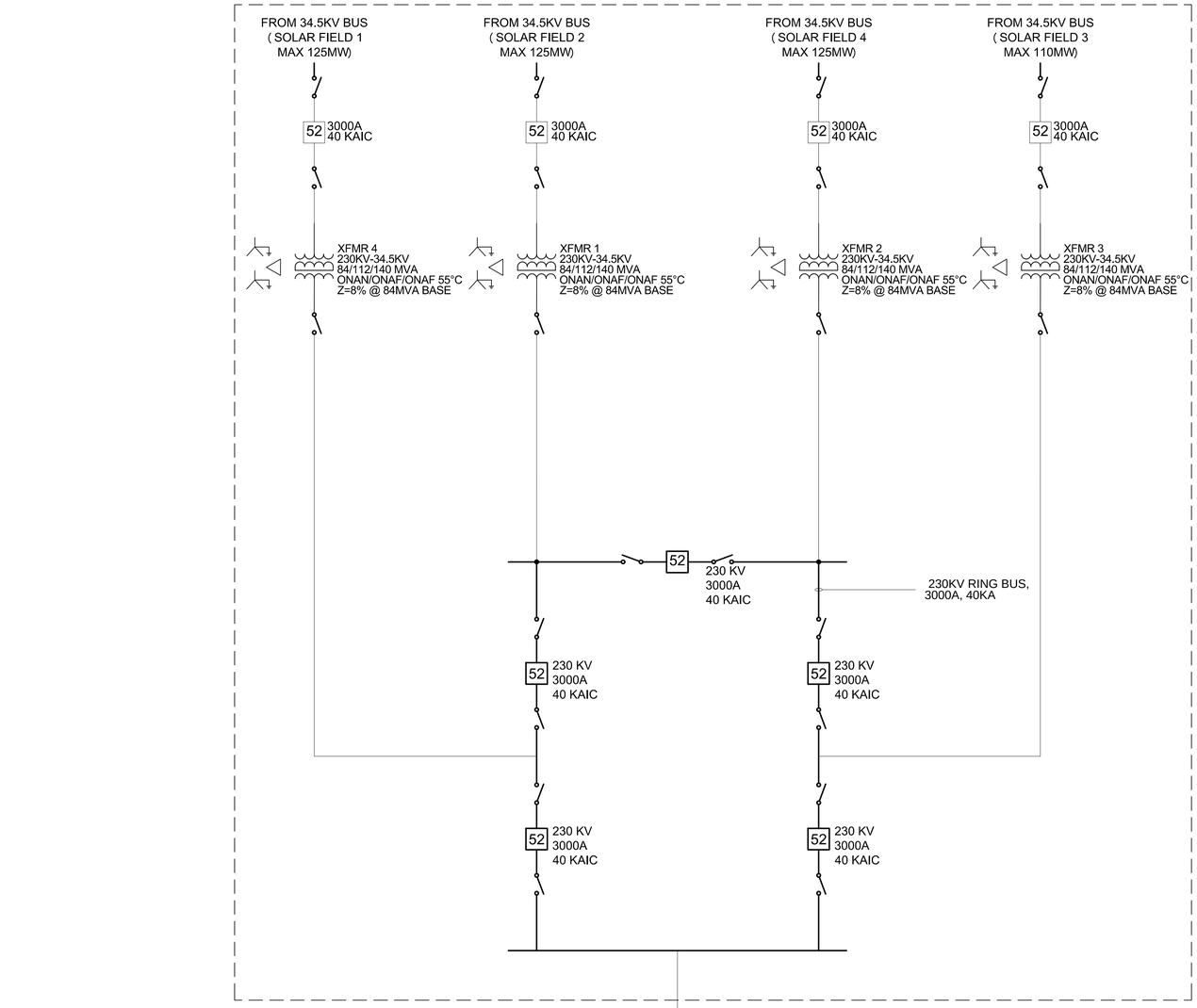
WorleyParsons
resources & energy

CLIENT/PROJECT TITLE
NEXTERA BLYTHE SOLAR ENERGY CENTER
BLYTHE SOLAR POWER PROJECT
RIVERSIDE COUNTY, CA

230kV SWITCHYARD
ELEVATIONS

SCALE: 1/16" = 1'-0"
DRAWING SIZE: ARCH D (36" x 24")
WORLEYPARSONS DWG. NO.: BSPP-1-SK-111-102-001
REV: B

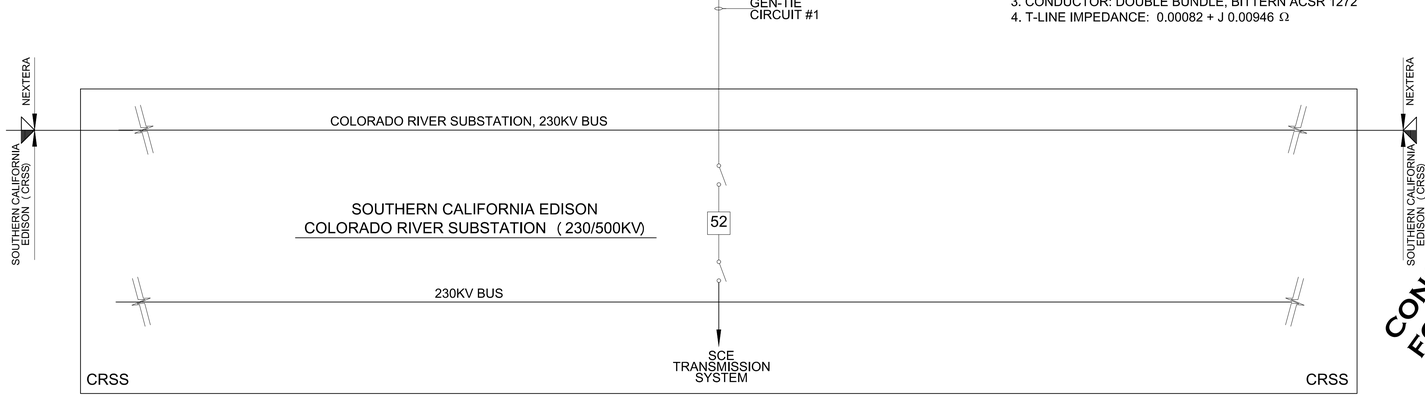
$$DESIGN-FILE-NAME$$
$$$$DATE$$$$ $$$$TIME$$$$



NOTES:

1. NOMINAL GENERATION OUTPUT (485 MW) EXCLUDES POWER SYSTEM LOSSES.

GEN-TIE DATA:
1. DISTANCE: 10.00 MILES
2. NO. CIRCUITS: 1
3. CONDUCTOR: DOUBLE BUNDLE, BITTERN ACSR 1272
4. T-LINE IMPEDANCE: 0.00082 + J 0.00946 Ω



CONCEPTUAL FOR REVIEW ONLY

LEGEND

- TRANSFORMER WINDING CONNECTION
- POWER TRANSFORMER
- 52 GAS CIRCUIT BREAKER
- DISCONNECT SWITCH

NEXTera ENERGY RESOURCES

DRAWN BY	GO
DESIGNED BY	DG
CHECKED BY	SP

DATE:	DESCRIPTION:
11/01/12	CONCEPTUAL REVIEW
1/2/13	DOWNSIZE (485MW)

PROJECT:

BLYTHE SOLAR POWER PROJECT

CLIENT

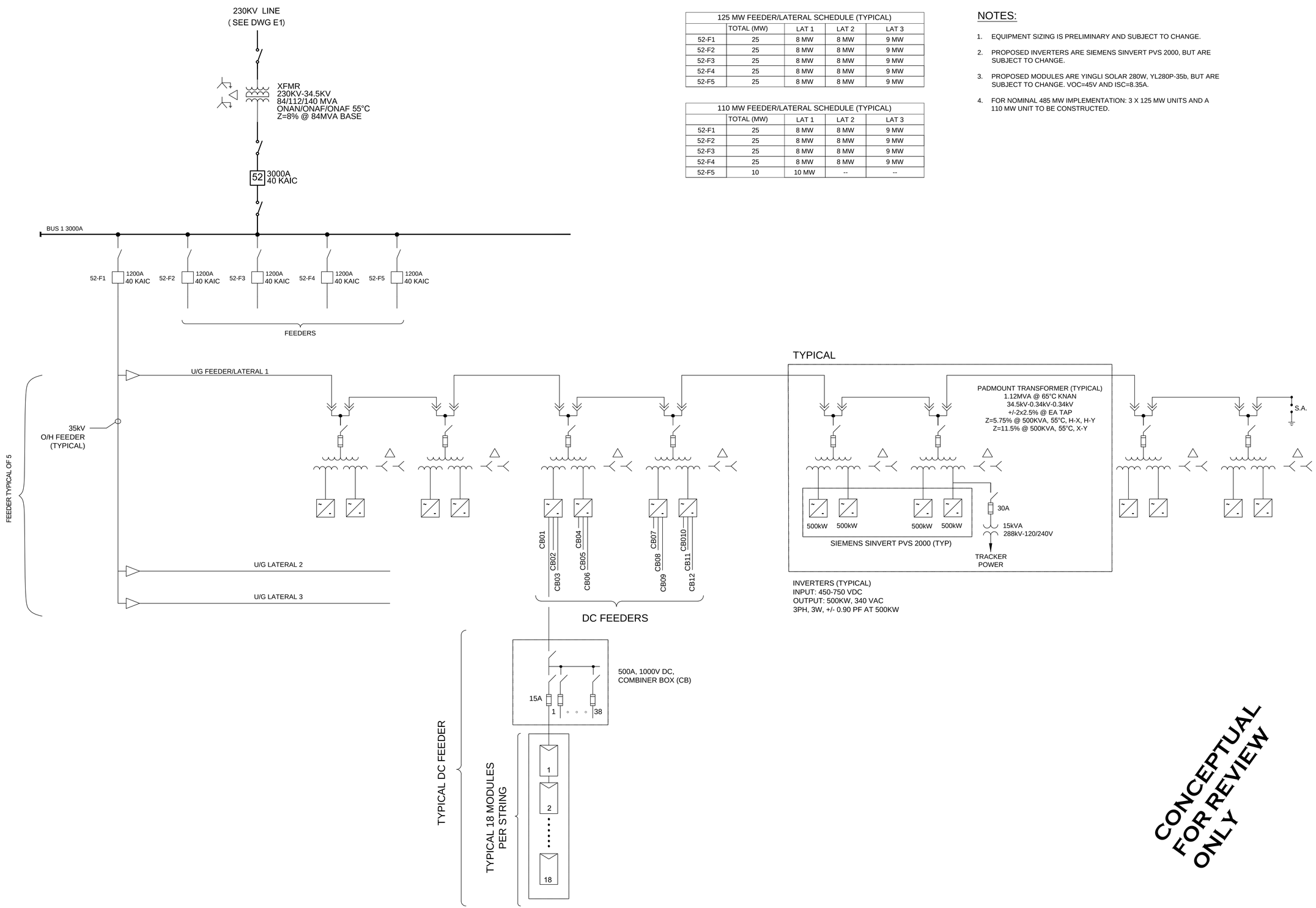
NEXTERA

SHEET TITLE:

CONCEPTUAL HIGH VOLTAGE SINGLE LINE DIAGRAM

SHEET NO.:

E1



125 MW FEEDER/LATERAL SCHEDULE (TYPICAL)				
	TOTAL (MW)	LAT 1	LAT 2	LAT 3
52-F1	25	8 MW	8 MW	9 MW
52-F2	25	8 MW	8 MW	9 MW
52-F3	25	8 MW	8 MW	9 MW
52-F4	25	8 MW	8 MW	9 MW
52-F5	25	8 MW	8 MW	9 MW

110 MW FEEDER/LATERAL SCHEDULE (TYPICAL)				
	TOTAL (MW)	LAT 1	LAT 2	LAT 3
52-F1	25	8 MW	8 MW	9 MW
52-F2	25	8 MW	8 MW	9 MW
52-F3	25	8 MW	8 MW	9 MW
52-F4	25	8 MW	8 MW	9 MW
52-F5	10	10 MW	--	--

NOTES:

1. EQUIPMENT SIZING IS PRELIMINARY AND SUBJECT TO CHANGE.
2. PROPOSED INVERTERS ARE SIEMENS SINVERT PVS 2000, BUT ARE SUBJECT TO CHANGE.
3. PROPOSED MODULES ARE YINGLI SOLAR 280W, YL280P-35b, BUT ARE SUBJECT TO CHANGE. VOC=45V AND ISC=8.35A.
4. FOR NOMINAL 485 MW IMPLEMENTATION: 3 X 125 MW UNITS AND A 110 MW UNIT TO BE CONSTRUCTED.

CONCEPTUAL FOR REVIEW ONLY

NEXTera ENERGY RESOURCES

DRAWN BY	GO
DESIGNED BY	DG
CHECKED BY	SP

DATE:	DESCRIPTION:
11/01/12	CONCEPTUAL REVIEW
1/2/13	DOWNSIZE (485 MW)

PROJECT:

BLYTHE SOLAR POWER PROJECT

CLIENT

NEXTERA

SHEET TITLE:

CONCEPTUAL MV COLLECTOR SYSTEM

SINGLE LINE DIAGRAM

E2

APPENDIX E AIR QUALITY AND GREENHOUSE GAS CONSTRUCTION AND OPERATIONS AND MAINTENANCE EMISSIONS AND SCREENING HEALTH RISK ASSESSMENT RESULTS AND CONSTRUCTION SCHEDULE AND EQUIPMENT USE INFORMATION

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Construction Emissions

Table 1
Construction Equipment Emission Factors

Equipment	Fuel	HP	Model Year[a]	OFFROAD Model Category	Emissions Factors (lb/hr)[b]								
					CO	ROG	NOx	SO2	PM10	PM2.5	CO2	CH4	N2O
Air Compressor	Diesel	25	2008	Air Compressors	5.95E-02	1.74E-02	1.10E-01	1.83E-04	3.86E-03	3.56E-03	1.44E+01	1.57E-03	3.76E-04
Cat 140H Grader	Diesel	185	2006	Graders	3.66E-01	1.48E-01	1.47E+00	1.93E-03	4.33E-02	3.98E-02	1.72E+02	1.33E-02	4.47E-03
Cat 583T Pipelayer	Diesel	310	2006	Other Construction Equipment	4.72E-01	1.55E-01	1.14E+00	2.49E-03	5.42E-02	4.99E-02	2.54E+02	1.40E-02	6.59E-03
Cat BG600D Paver	Diesel	173	2007	Pavers	7.42E-01	8.35E-02	5.80E-01	1.44E-03	4.02E-02	3.70E-02	1.28E+02	7.53E-03	3.34E-03
Crane - Boom Truck	Diesel	250	2006	Cranes	2.39E-01	9.68E-02	9.61E-01	1.26E-03	2.83E-02	2.60E-02	1.12E+02	8.73E-03	2.91E-03
Deere 210LE Skip Loader	Diesel	78	2008	Rubber Tired Loaders	3.93E-01	4.11E-02	3.18E-01	6.90E-04	2.31E-02	2.13E-02	5.89E+01	3.71E-03	1.54E-03
Dozer Cat D6R	Diesel	185	2006	Crawler Tractors	3.54E-01	1.43E-01	1.42E+00	1.87E-03	4.19E-02	3.86E-02	1.66E+02	1.29E-02	4.31E-03
Generator	Diesel	30	2008	Generator Sets	1.82E-01	1.26E-02	2.57E-01	3.96E-04	8.11E-03	7.46E-03	3.06E+01	1.14E-03	7.98E-04
Roller Vibrator/compactor/other	Diesel	350	2006	Rollers	4.05E-01	1.30E-01	9.78E-01	2.15E-03	4.62E-02	4.25E-02	2.19E+02	1.17E-02	5.67E-03
Scraper Cat 623	Diesel	365	2006	Scrapers	6.43E-01	2.72E-01	1.52E+00	3.15E-03	7.98E-02	7.35E-02	3.21E+02	2.45E-02	8.34E-03
Skip Loader	Diesel	78	2008	Rubber Tired Loaders	3.93E-01	4.11E-02	3.18E-01	6.90E-04	2.31E-02	2.13E-02	5.89E+01	3.71E-03	1.54E-03
Telehandler	Diesel	99	2008	Forklifts	2.21E-01	2.64E-02	1.74E-01	3.66E-04	1.33E-02	1.22E-02	3.12E+01	2.38E-03	8.17E-04
Track Trencher	Diesel	115	2007	Trenchers	4.14E-01	5.06E-02	5.95E-01	7.61E-04	3.25E-02	2.99E-02	6.48E+01	4.56E-03	1.70E-03

[a] Earliest model year required to meet at least Tier 3 emission standards

[b] All except N2O calculated by dividing California statewide daily emissions by daily operating hours from OFFROAD2007 for calendar year 2014

N_2O calculated from 0.26 g/gal from Table 13.7 of 2013 Climate Action Registry Default Emission Factors, downloaded from

http://www.theclimateregistry.org/downloads/2013/01/2013-Climate-Registry-Default-Emissions-Factors.pdf

Fuel use for N2O calculation calculated by dividing California statewide daily fuel consumption by daily operating hours from OFFROAD2007 for calendar year 2014

CARB released the OFFROAD 2011 off-road equipment emissions model in September 2011. The OFFROAD 2011 model was developed primarily to support CARB regulatory activities to reduce emissions from in-use off-road equipment. The OFFROAD 2011 model does not include emissions and emission factors for all of the types of construction equipment that are anticipated to be used for construction activities for the Modified Project. It also does not include emissions of CO, SO2 or greenhouse gases. Because of the limitations in the OFFROAD 2011 model, it was not used for these analyses. Emission factors calculated using the OFFROAD 2011 model are generally lower than emission factors calculated using the OFFROAD 2007 model. Therefore, use of the emission factors calculated using the OFFROAD 2007 model provides a conservative estimate of emissions.

Table 2
EMFAC 2011 Motor Vehicle Emission Factors, Riverside County, 2014

Vehicle Class	Fuel	Fuel Use (mpg)[a]	TOG (lb/mi)[a]	CO (lb/mi)[a]	ROG (lb/mi)[a]	NOx (lb/mi)[a]	SO2 (lb/mi)[a]	PM10 Exh. (lb/mi)[a]	PM2.5 Exh. (lb/mi)[a]	CO2 (lb/mi)[a]	CH4 (lb/mi)[b]	N2O (lb/mi)[b]	PM10 Tire Wear (lb/mi)[a]	PM10 Brake Wear (lb/mi)[a]	PM2.5 Tire Wear (lb/mi)[a]	PM2.5 Brake Wear (lb/mi)[a]
LDA	GAS	2.43E+01	4.30E-04	3.70E-03	3.95E-04	3.15E-04	7.73E-06	4.38E-06	3.99E-06	6.78E-01	2.99E-05	1.31E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
LDA	DSL	2.80E+01	9.12E-05	4.48E-04	8.01E-05	1.27E-03	7.58E-06	5.84E-05	5.37E-05	6.87E-01	3.72E-06	2.61E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
LDT1	GAS	2.09E+01	1.14E-03	9.00E-03	1.07E-03	8.20E-04	8.98E-06	1.03E-05	9.39E-06	7.91E-01	6.41E-05	3.41E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
LDT1	DSL	2.76E+01	1.72E-04	6.92E-04	1.51E-04	1.59E-03	7.69E-06	1.26E-04	1.16E-04	6.96E-01	7.03E-06	2.65E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
LDT2	GAS	1.78E+01	5.37E-04	5.07E-03	4.90E-04	5.82E-04	1.05E-05	4.57E-06	4.18E-06	9.55E-01	4.13E-05	2.42E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
LDT2	DSL	2.81E+01	1.12E-04	5.19E-04	9.80E-05	1.46E-03	7.55E-06	7.70E-05	7.08E-05	6.94E-01	4.55E-06	2.60E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
LHD1	GAS	1.36E+01	1.59E-03	9.50E-03	1.52E-03	2.78E-03	1.38E-05	3.75E-06	3.45E-06	1.34E+00	5.77E-05	1.15E-04	1.76E-05	8.10E-05	4.41E-06	3.47E-05
LHD1	DSL	1.92E+01	3.01E-04	1.55E-03	2.64E-04	1.23E-02	1.11E-05	6.03E-05	5.55E-05	1.14E+00	1.23E-05	3.82E-05	2.65E-05	1.69E-04	6.61E-06	7.22E-05
LHD2	GAS	1.36E+01	1.37E-03	8.28E-03	1.31E-03	2.55E-03	1.38E-05	3.50E-06	3.16E-06	1.34E+00	5.19E-05	1.06E-04	1.76E-05	8.10E-05	4.41E-06	3.47E-05
LHD2	DSL	1.92E+01	2.85E-04	1.48E-03	2.50E-04	1.18E-02	1.11E-05	5.82E-05	5.36E-05	1.14E+00	1.16E-05	3.81E-05	2.65E-05	1.97E-04	6.61E-06	8.43E-05
MCY	GAS	3.77E+01	1.02E-02	7.48E-02	9.56E-03	2.94E-03	4.98E-06	2.50E-06	2.00E-06	3.51E-01	4.59E-04	1.22E-04	1.76E-05	8.10E-05	4.41E-06	3.47E-05
MDV	GAS	1.40E+01	7.44E-04	7.05E-03	6.71E-04	9.05E-04	1.34E-05	5.24E-06	4.82E-06	1.24E+00	6.66E-05	3.76E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
MDV	DSL	2.79E+01	9.07E-05	4.14E-04	7.96E-05	1.02E-03	7.59E-06	6.47E-05	5.95E-05	7.29E-01	3.70E-06	2.62E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
MH	GAS	1.43E+01	4.27E-04	1.25E-02	3.64E-04	2.28E-03	1.31E-05	3.45E-06	3.12E-06	1.28E+00	5.41E-05	9.51E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
MH	DSL	9.40E+00	3.24E-04	1.16E-03	2.85E-04	1.52E-02	2.26E-05	4.75E-04	4.37E-04	2.33E+00	1.32E-05	7.77E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
Motor Coach	DSL	5.79E+00	6.70E-04	3.09E-03	5.88E-04	2.26E-02	3.66E-05	3.66E-04	3.37E-04	3.78E+00	2.73E-05	1.26E-04	2.65E-05	2.87E-04	6.61E-06	1.23E-04
OBUS	GAS	1.25E+01	3.84E-03	4.18E-02	3.59E-03	7.69E-03	1.50E-05	6.97E-06	5.79E-06	1.41E+00	1.71E-04	3.20E-04	1.76E-05	8.10E-05	4.41E-06	3.47E-05
PTO	DSL	4.68E+00	1.31E-03	5.35E-03	1.15E-03	2.71E-02	4.53E-05	6.03E-04	5.55E-04	4.68E+00	5.33E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SBUS	GAS	1.08E+01	2.30E-03	3.08E-02	2.13E-03	2.60E-03	1.73E-05	9.62E-06	8.14E-06	1.66E+00	1.67E-04	1.08E-04	1.76E-05	8.10E-05	4.41E-06	3.47E-05
SBUS	DSL	7.20E+00	5.84E-04	1.79E-03	5.13E-04	2.61E-02	2.95E-05	2.60E-04	2.39E-04	3.04E+00	2.38E-05	1.02E-04	2.65E-05	1.64E-03	6.61E-06	7.04E-04
T6 Ag	DSL	9.23E+00	1.06E-03	3.14E-03	9.35E-04	1.77E-02	2.30E-05	8.54E-04	7.86E-04	2.37E+00	4.34E-05	7.92E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 Public	DSL	8.98E+00	1.30E-04	5.64E-04	1.14E-04	1.75E-02	2.36E-05	9.74E-05	8.96E-05	2.44E+00	5.32E-06	8.14E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 CAIRP heavy	DSL	9.35E+00	2.96E-04	1.21E-03	2.60E-04	1.05E-02	2.27E-05	2.31E-04	2.13E-04	2.34E+00	1.21E-05	7.82E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 CAIRP small	DSL	9.41E+00	3.20E-04	1.50E-03	2.81E-04	6.79E-03	2.25E-05	3.23E-04	2.97E-04	2.33E+00	1.31E-05	7.77E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 OOS heavy	DSL	9.35E+00	2.96E-04	1.21E-03	2.60E-04	1.05E-02	2.27E-05	2.31E-04	2.13E-04	2.34E+00	1.21E-05	7.82E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 OOS small	DSL	9.41E+00	3.20E-04	1.50E-03	2.81E-04	6.79E-03	2.25E-05	3.23E-04	2.97E-04	2.33E+00	1.31E-05	7.77E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 instate construction heavy	DSL	9.26E+00	4.54E-04	1.44E-03	3.99E-04	1.77E-02	2.29E-05	3.26E-04	3.00E-04	2.36E+00	1.85E-05	7.89E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 instate construction small	DSL	9.37E+00	5.22E-04	2.00E-03	4.58E-04	1.10E-02	2.26E-05	4.89E-04	4.50E-04	2.34E+00	2.13E-05	7.80E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 instate heavy	DSL	9.27E+00	4.23E-04	1.40E-03	3.72E-04	1.61E-02	2.29E-05	2.98E-04	2.74E-04	2.36E+00	1.73E-05	7.89E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 instate small	DSL	9.37E+00	4.70E-04	1.85E-03	4.13E-04	9.80E-03	2.26E-05	4.25E-04	3.91E-04	2.34E+00	1.92E-05	7.80E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 utility	DSL	9.07E+00	1.24E-04	6.69E-04	1.09E-04	1.06E-02	2.34E-05	8.46E-05	7.79E-05	2.41E+00	5.04E-06	8.06E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6TS	GAS	1.30E+01	3.19E-03	3.44E-02	2.99E-03	5.99E-03	1.44E-05	6.83E-06	5.79E-06	1.36E+00	1.33E-04	2.49E-04	1.76E-05	8.10E-05	4.41E-06	3.47E-05
T7 Ag	DSL	5.93E+00	1.50E-03	5.57E-03	1.32E-03	3.06E-02	3.57E-05	1.04E-03	9.57E-04	3.69E+00	6.11E-05	1.23E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 CAIRP	DSL	5.78E+00	7.50E-04	4.14E-03	6.59E-04	1.60E-02	3.67E-05	4.14E-04	3.81E-04	3.78E+00	3.06E-05	1.26E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 CAIRP construction	DSL	5.78E+00	7.73E-04	4.04E-03	6.79E-04	1.64E-02	3.67E-05	3.82E-04	3.52E-04	3.79E+00	3.15E-05	1.26E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 NNOOS	DSL	5.74E+00	7.04E-04	4.00E-03	6.18E-04	9.32E-03	3.69E-05	3.08E-04	2.84E-04	3.81E+00	2.87E-05	1.27E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 NOOS	DSL	5.71E+00	7.88E-04	4.30E-03	6.92E-04	1.63E-02	3.71E-05	3.99E-04	3.67E-04	3.83E+00	3.22E-05	1.28E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 POLA	DSL	5.77E+00	9.16E-04	5.23E-03	8.05E-04	1.44E-02	3.67E-05	2.79E-04	2.57E-04	3.79E+00	3.74E-05	1.27E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 Public	DSL	4.99E+00	5.54E-04	2.33E-03	4.87E-04	4.14E-02	4.25E-05	1.89E-04	1.74E-04	4.39E+00	2.26E-05	1.47E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 Single	DSL	5.96E+00	8.09E-04	3.25E-03	7.11E-04	2.48E-02	3.56E-05	4.90E-04	4.51E-04	3.67E+00	3.30E-05	1.23E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 single construction	DSL	5.97E+00	8.17E-04	3.20E-03	7.17E-04	2.58E-02	3.55E-05	5.01E-04	4.61E-04	3.67E+00	3.33E-05	1.23E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 SWCV	DSL	5.44E+00	4.66E-04	2.07E-03	4.10E-04	3.29E-02	3.90E-05	2.07E-04	1.91E-04	4.03E+00	1.90E-05	1.34E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 tractor	DSL	6.00E+00	9.53E-04	4.02E-03	8.37E-04	2.58E-02	3.53E-05	6.33E-04	5.82E-04	3.65E+00	3.89E-05	1.22E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 tractor construction	DSL	5.94E+00	1.18E-03	4.81E-03	1.04E-03	2.74E-02	3.57E-05	7.53E-04	6.93E-04	3.69E+00	4.83E-05	1.23E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 utility	DSL	5.04E+00	7.18E-04	3.61E-03	6.31E-04	2.59E-02	4.21E-05	1.39E-04	1.28E-04	4.34E+00	2.93E-05	1.45E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7IS	GAS	1.27E+01	2.92E-03	9.34E-02	2.60E-03	1.44E-02	1.48E-05	2.95E-06	2.43E-06	1.31E+00	2.14E-04	5.97E-04	1.76E-05	8.10E-05	4.41E-06	3.47E-05
UBUS	GAS	1.08E+01	4.09E-03	4.37E-02	3.81E-03	9.01E-03	1.73E-05	7.06E-06	6.10E-06	1.63E+00	1.82E-04	3.75E-04	1.76E-05	8.10E-05	4.41E-06	3.47E-05
UBUS	DSL	3.97E+00	1.41E-03	6.12E-03	1.24E-03	3.08E-02	5.34E-05	5.18E-04	4.76E-04	5.51E+00	5.76E-05	1.84E-04	1.76E-05	1.86E-03	4.41E-06	7.95E-04
All Other Buses	DSL	9.24E+00	6.02E-04	1.89E-03	5.29E-04	1.69E-02	2.30E-05	4.24E-04	3.90E-04	2.37E+00	2.46E-05	7.91E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04

[a] Calculated by dividing total emissions in Riverside County in 2014 by total VMT in Riverside County from EMFAC2011 web based access (http://www.arb.ca.gov/emfac/)

[b] Gasoline CH4 calculated by dividing total CH4 emissions in Riverside County by total VMT in Riverside County from EMFAC2011-LDV (http://www.arb.ca.gov/msei/emfac2011_ldv.htm)
Diesel CH4 calculated as 0.0408 x TOG; gasoline N2O calculated as 0.0416 x NOx; diesel N2O calculated as 0.3316 [g/gal] / fuel consumption [mi/gal] / 453.6 [g/lb]
(http://www.arb.ca.gov/msei/emfac2011-faq.htm#emfac2011_web_db_qstn07)

Table 3
Motor Vehicle Exhaust Emission Factors

Vehicle	Fuel	GVWR (lb)	EMFAC2011 Category	Emissions Factors (lb/mi)								
				CO	ROG	NOx	SO2	PM10	PM2.5	CO2	CH4	N2O
5000 gal Water Truck	DSL	34,000	T7 Single	3.25E-03	7.11E-04	2.48E-02	3.56E-05	4.90E-04	4.51E-04	3.67E+00	3.30E-05	1.23E-04
Low Bed Delivery Trucks	DSL	80,000	T7 tractor	4.02E-03	8.37E-04	2.58E-02	3.53E-05	6.33E-04	5.82E-04	3.65E+00	3.89E-05	1.22E-04
Off-Site Architechtural Truck	DSL	55,000	T7 tractor	4.02E-03	8.37E-04	2.58E-02	3.53E-05	6.33E-04	5.82E-04	3.65E+00	3.89E-05	1.22E-04
Off-Site Cabling Trucks	DSL	80,000	T7 Single	3.25E-03	7.11E-04	2.48E-02	3.56E-05	4.90E-04	4.51E-04	3.67E+00	3.30E-05	1.23E-04
Off-site Concrete Truck	DSL	55,000	T7 Single	3.25E-03	7.11E-04	2.48E-02	3.56E-05	4.90E-04	4.51E-04	3.67E+00	3.30E-05	1.23E-04
Off-Site Electrical Truck	DSL	55,000	T7 tractor	4.02E-03	8.37E-04	2.58E-02	3.53E-05	6.33E-04	5.82E-04	3.65E+00	3.89E-05	1.22E-04
Off-Site Fencing Trucks	DSL	80,000	T7 tractor	4.02E-03	8.37E-04	2.58E-02	3.53E-05	6.33E-04	5.82E-04	3.65E+00	3.89E-05	1.22E-04
Off-Site Flat Bed Trucks	DSL	80,000	T7 tractor	4.02E-03	8.37E-04	2.58E-02	3.53E-05	6.33E-04	5.82E-04	3.65E+00	3.89E-05	1.22E-04
Off-Site Fuel & Lube	DSL	21,000	T6 instate small	1.85E-03	4.13E-04	9.80E-03	2.26E-05	4.25E-04	3.91E-04	2.34E+00	1.92E-05	7.80E-05
Off-Site Gravel Rock/AC trucks	DSL	80,000	T7 tractor	4.02E-03	8.37E-04	2.58E-02	3.53E-05	6.33E-04	5.82E-04	3.65E+00	3.89E-05	1.22E-04
Off-site Insulation Truck	DSL	55,000	T7 tractor	4.02E-03	8.37E-04	2.58E-02	3.53E-05	6.33E-04	5.82E-04	3.65E+00	3.89E-05	1.22E-04
Off-Site Inverters	DSL	80,000	T7 tractor	4.02E-03	8.37E-04	2.58E-02	3.53E-05	6.33E-04	5.82E-04	3.65E+00	3.89E-05	1.22E-04
Off-Site Mechanical Truck	DSL	55,000	T7 tractor	4.02E-03	8.37E-04	2.58E-02	3.53E-05	6.33E-04	5.82E-04	3.65E+00	3.89E-05	1.22E-04
Off-Site PV Panel Trucks	DSL	80,000	T7 tractor	4.02E-03	8.37E-04	2.58E-02	3.53E-05	6.33E-04	5.82E-04	3.65E+00	3.89E-05	1.22E-04
Off-site Roof truck	DSL	55,000	T7 tractor	4.02E-03	8.37E-04	2.58E-02	3.53E-05	6.33E-04	5.82E-04	3.65E+00	3.89E-05	1.22E-04
Off-Site Structural Steel truck	DSL	55,000	T7 tractor	4.02E-03	8.37E-04	2.58E-02	3.53E-05	6.33E-04	5.82E-04	3.65E+00	3.89E-05	1.22E-04
Off-Site Tracker Trucks	DSL	80,000	T7 tractor	4.02E-03	8.37E-04	2.58E-02	3.53E-05	6.33E-04	5.82E-04	3.65E+00	3.89E-05	1.22E-04
Off-site Wall Truck	DSL	55,000	T7 tractor	4.02E-03	8.37E-04	2.58E-02	3.53E-05	6.33E-04	5.82E-04	3.65E+00	3.89E-05	1.22E-04
Off-Site Water Trucks	DSL	55,000	T7 Single	3.25E-03	7.11E-04	2.48E-02	3.56E-05	4.90E-04	4.51E-04	3.67E+00	3.30E-05	1.23E-04
On-Site Dump Truck	DSL	30,000	T6 instate heavy	1.40E-03	3.72E-04	1.61E-02	2.29E-05	2.98E-04	2.74E-04	2.36E+00	1.73E-05	7.89E-05
On-Site Flatbed Delivery Truck	DSL	30,000	T6 instate heavy	1.40E-03	3.72E-04	1.61E-02	2.29E-05	2.98E-04	2.74E-04	2.36E+00	1.73E-05	7.89E-05
On-Site Heavy Duty Pick Up Truck	DSL	21,000	T6 instate small	1.85E-03	4.13E-04	9.80E-03	2.26E-05	4.25E-04	3.91E-04	2.34E+00	1.92E-05	7.80E-05
On-Site Lube/Fuel Trucks	DSL	21,000	T6 instate small	1.85E-03	4.13E-04	9.80E-03	2.26E-05	4.25E-04	3.91E-04	2.34E+00	1.92E-05	7.80E-05
On-Site Pick Up Truck	DSL	21,000	T6 instate small	1.85E-03	4.13E-04	9.80E-03	2.26E-05	4.25E-04	3.91E-04	2.34E+00	1.92E-05	7.80E-05
On-Site Service Truck	DSL	21,000	T6 instate small	1.85E-03	4.13E-04	9.80E-03	2.26E-05	4.25E-04	3.91E-04	2.34E+00	1.92E-05	7.80E-05
Porto-Let Truck	DSL	24,000	T6 instate small	1.85E-03	4.13E-04	9.80E-03	2.26E-05	4.25E-04	3.91E-04	2.34E+00	1.92E-05	7.80E-05
Off-Site Worker Commute Car	GAS	N/A	LDT1	9.00E-03	1.07E-03	8.20E-04	8.98E-06	1.03E-05	9.39E-06	7.91E-01	6.41E-05	3.41E-05
Off-Site Worker Commuter Bus, Small	DSL	N/A	All Other Buses	1.89E-03	5.29E-04	1.69E-02	2.30E-05	4.24E-04	3.90E-04	2.37E+00	2.46E-05	7.91E-05

Table 4
Emission Factors for Fugitive Particulate Matter Emissions from On-Site Motor Vehicles on Unpaved Surfaces

					PM10						PM2.5					
Vehicle Type	Weight (tons)	Silt Content (%)[a]	Fuel	EMFAC2011 Category	Uncontrolled Entrained Road Dust (lb/mi)[b]	Control Efficiency (%)[c]	Controlled Entrained Road Dust (lb/mi)	Tire Wear (lb/mi)	Brake Wear (lb/mi)	Total Fugitive (lb/mi)	Uncontrolled Entrained Road Dust (lb/mi)[d]	Control Efficiency (%)[c]	Controlled Entrained Road Dust (lb/mi)	Tire Wear (lb/mi)	Brake Wear (lb/mi)	Total Fugitive (lb/mi)
5000 gal Water Truck	17	18.03	DSL	T7 Single	0.00E+00	81%	0.00E+00	7.94E-05	1.36E-04	2.15E-04	0.00E+00	81%	0.00E+00	1.98E-05	5.83E-05	7.82E-05
On-Site Dump Truck	15	18.03	DSL	T6 instate heavy	4.46E+00	81%	8.48E-01	2.65E-05	2.87E-04	8.49E-01	4.46E-01	81%	8.48E-02	6.61E-06	1.23E-04	8.50E-02
On-Site Flatbed Delivery Truck	15	18.03	DSL	T6 instate heavy	4.46E+00	81%	8.48E-01	2.65E-05	2.87E-04	8.49E-01	4.46E-01	81%	8.48E-02	6.61E-06	1.23E-04	8.50E-02
On-Site Heavy Duty Pick Up Truck	10.5	18.03	DSL	T6 instate small	3.80E+00	81%	7.22E-01	2.65E-05	2.87E-04	7.23E-01	3.80E-01	81%	7.22E-02	6.61E-06	1.23E-04	7.24E-02
On-Site Lube/Fuel Trucks	10.5	18.03	DSL	T6 instate small	3.80E+00	81%	7.22E-01	2.65E-05	2.87E-04	7.23E-01	3.80E-01	81%	7.22E-02	6.61E-06	1.23E-04	7.24E-02
On-Site Pick Up Truck	10.5	18.03	DSL	T6 instate small	3.80E+00	81%	7.22E-01	2.65E-05	2.87E-04	7.23E-01	3.80E-01	81%	7.22E-02	6.61E-06	1.23E-04	7.24E-02
On-Site Service Truck	10.5	18.03	DSL	T6 instate small	3.80E+00	81%	7.22E-01	2.65E-05	2.87E-04	7.23E-01	3.80E-01	81%	7.22E-02	6.61E-06	1.23E-04	7.24E-02

[a] From Blythe AFC Geotechnical Report (Appendix B)

[b] Emission factor [lb/mi] = 1.5 x (silt content [%] / 12)$^{0.9}$ x (weight [tons] / 3)$^{0.45}$
from AP-42 Section 13.2.2, Unpaved Roads, 11/06

[c] Combined control efficiency for limiting vehicle speed to 15 mph (57%, from SCAQMD CEQA mitigation measures, Table XI-A) and
watering twice per day (55% from SCAQMD CEQA mitigation measures, Table XI-D) downloaded from http://www.aqmd.gov/ceqa/handbook/mitigation/fugitive/MM_fugitive.html

[d] Emission factor [lb/mi] = 0.15 x (silt content [%] / 12)$^{0.9}$ x (weight [tons] / 3)$^{0.45}$
from AP-42 Section 13.2.2, Unpaved Roads, 11/06

Table 5
Emission Factors for Fugitive Particulate Matter Emissions from Off-Site Motor Vehicles on Paved Roads

Vehicle Type	Weight (tons)[a]	Road Type	Silt Loading (g/m^2)[a]	Fuel	EMFAC2011 Category	PM10				PM2.5			
						Entrained Road Dust (lb/mi)[b]	Tire Wear (lb/mi)	Brake Wear (lb/mi)	Total Fugitive (lb/mi)	Entrained Road Dust (lb/mi)[c]	Tire Wear (lb/mi)	Brake Wear (lb/mi)	Total Fugitive (lb/mi)
Low Bed Delivery Trucks	3	Collector	0.035	DSL	T7 tractor	2.90E-04	7.94E-05	1.36E-04	5.06E-04	7.84E-05	1.98E-05	5.83E-05	1.57E-04
Off-Site Architechtural Truck	3	Collector	0.035	DSL	T7 tractor	2.90E-04	7.94E-05	1.36E-04	5.06E-04	7.84E-05	1.98E-05	5.83E-05	1.57E-04
Off-Site Cabling Trucks	3	Collector	0.035	DSL	T7 Single	2.90E-04	7.94E-05	1.36E-04	5.06E-04	7.84E-05	1.98E-05	5.83E-05	1.57E-04
Off-site Concrete Truck	3	Collector	0.035	DSL	T7 Single	2.90E-04	7.94E-05	1.36E-04	5.06E-04	7.84E-05	1.98E-05	5.83E-05	1.57E-04
Off-Site Electrical Truck	3	Collector	0.035	DSL	T7 tractor	2.90E-04	7.94E-05	1.36E-04	5.06E-04	7.84E-05	1.98E-05	5.83E-05	1.57E-04
Off-Site Fencing Trucks	3	Collector	0.035	DSL	T7 tractor	2.90E-04	7.94E-05	1.36E-04	5.06E-04	7.84E-05	1.98E-05	5.83E-05	1.57E-04
Off-Site Flat Bed Trucks	3	Collector	0.035	DSL	T7 tractor	2.90E-04	7.94E-05	1.36E-04	5.06E-04	7.84E-05	1.98E-05	5.83E-05	1.57E-04
Off-Site Fuel & Lube	3	Collector	0.035	DSL	T6 instate small	2.90E-04	2.65E-05	2.87E-04	6.04E-04	7.84E-05	6.61E-06	1.23E-04	2.08E-04
Off-Site Gravel Rock/AC trucks	3	Collector	0.035	DSL	T7 tractor	2.90E-04	7.94E-05	1.36E-04	5.06E-04	7.84E-05	1.98E-05	5.83E-05	1.57E-04
Off-site Insulation Truck	3	Collector	0.035	DSL	T7 tractor	2.90E-04	7.94E-05	1.36E-04	5.06E-04	7.84E-05	1.98E-05	5.83E-05	1.57E-04
Off-Site Inverters	3	Collector	0.035	DSL	T7 tractor	2.90E-04	7.94E-05	1.36E-04	5.06E-04	7.84E-05	1.98E-05	5.83E-05	1.57E-04
Off-Site Mechanical Truck	3	Collector	0.035	DSL	T7 tractor	2.90E-04	7.94E-05	1.36E-04	5.06E-04	7.84E-05	1.98E-05	5.83E-05	1.57E-04
Off-Site PV Panel Trucks	3	Collector	0.035	DSL	T7 tractor	2.90E-04	7.94E-05	1.36E-04	5.06E-04	7.84E-05	1.98E-05	5.83E-05	1.57E-04
Off-site Roof truck	3	Collector	0.035	DSL	T7 tractor	2.90E-04	7.94E-05	1.36E-04	5.06E-04	7.84E-05	1.98E-05	5.83E-05	1.57E-04
Off-Site Structural Steel truck	3	Collector	0.035	DSL	T7 tractor	2.90E-04	7.94E-05	1.36E-04	5.06E-04	7.84E-05	1.98E-05	5.83E-05	1.57E-04
Off-Site Tracker Trucks	3	Collector	0.035	DSL	T7 tractor	2.90E-04	7.94E-05	1.36E-04	5.06E-04	7.84E-05	1.98E-05	5.83E-05	1.57E-04
Off-site Wall Truck	3	Collector	0.035	DSL	T7 tractor	2.90E-04	7.94E-05	1.36E-04	5.06E-04	7.84E-05	1.98E-05	5.83E-05	1.57E-04
Off-Site Water Trucks	3	Collector	0.035	DSL	T7 Single	2.90E-04	7.94E-05	1.36E-04	5.06E-04	7.84E-05	1.98E-05	5.83E-05	1.57E-04
Porto-Let Truck	3	Collector	0.035	DSL	T6 instate small	2.90E-04	2.65E-05	2.87E-04	6.04E-04	7.84E-05	6.61E-06	1.23E-04	2.08E-04
Off-Site Worker Commute Car	3	Collector	0.035	GAS	LDT1	2.90E-04	1.76E-05	8.10E-05	3.89E-04	7.84E-05	4.41E-06	3.47E-05	1.18E-04
Off-Site Worker Commuter Bus, Small	3	Collector	0.035	DSL	All Other Buses	2.90E-04	2.65E-05	2.87E-04	6.04E-04	7.84E-05	6.61E-06	1.23E-04	2.08E-04

[a] From ARB Emission Inventory Methodology 7.9, Entrained Paved Road Dust (1997)

[b] Emission factor [lb/mi] = 0.0022 x (silt loading $[g/m^2]^{0.91}$ x (weight [tons])$^{1.02}$
from AP-42 Section 13.2.1, Paved Roads, 01/11

[c] Emission factor [lb/mi] = 0.00054 x (silt loading $[g/m^2]^{0.91}$ x (weight [tons])$^{1.02}$
from AP-42 Section 13.2.1, Paved Roads, 01/11

Table 6
Earthwork Fugitive PM Emission Factors
Soil handling

Emission Factor [lb/cu. yd] = k x 0.0032 x (mean wind speed [mi/hr] / 5)$^{1.3}$ / (moisture [%] / 2)$^{1.4}$ x (number drops per ton) x (density [ton/cu. yd])
Reference: AP-42, Equation (1), Section 13.2.4, November 2006

Table 6a Soil Handling Reference Data		
Parameter	**Value**	**Basis**
Particle Size Multiplier (k) for PM10	0.35	AP-42, Section 13.2.4
Particle Size Multiplier (k) for PM2.5	0.053	AP-42, Section 13.2.4
Mean Wind Speed	7.8	Blythe Airport 2002-2004 wind speed average
Moisture	15	SCAQMD 1993 CEQA Air Quality Handbook, Moist Soil
Number Drops	2	Assumption - 2 drops each for cutting and filling operation
Soil Density	1.215	Table 2.46, Handbook of Solid Waste Management

Table E.2-4b Soil Handling Fugitive Emission Factors		
PM10 Emission Factor (Uncontrolled)	2.89E-04	lb/cu. yd
PM2.5 Emission Factor (Uncontrolled)	4.38E-05	lb/cu. yd
Reduction from watering*	0%	---
Controlled PM10 Emission Factor	2.89E-04	lb/cu. yd
Controlled PM2.5 Emission Factor	4.38E-05	lb/cu. yd

[a] The assumed moisture content is based on frequent watering of exposed surfaces. Assumed no control efficiency for watering so as to not double c
Emissions [pounds per day] = Controlled emission factor [pounds per cubic yard] x Volume soil handled [cubic yards per day]

Storage Pile Wind Erosion

Emission Factor [lb/day-acre] = J x 1.7 x (silt content [%] / 1.5) x (365 / 235) x (percentage of time unobstructed wind exceeds 12 mph / 15)
Reference: MDAQMD Emission Inventory Guidance Mineral Handling and Processing Industries, April 2000

Table6b Storage Pile Wind Erosion Reference Data		
Parameter	**Value**	**Basis**
Particulate Aerodynamic Factor (J) for PM10	0.5	MDAQMD Emission Inventory Guidance Mineral Handling and Processing Industries, April
Particulate Aerodynamic Factor (J) for PM2.5	0.2	2000
Silt Content	18.03	Blythe AFC Geotechnical Report (Appendix B)
Pct. time wind > 12 mph	20.6	Blythe Airport 2002-2004 Meteorological data

Table E.2-4d Storage Pile Wind Erosion Fugitive Emission Factors		
PM10 Emission Factor (Uncontrolled)	21.8	lb/day-acre
PM2.5 Emission Factor (Uncontrolled)	8.7	lb/day-acre
Reduction from Watering Twice/Day[b]	50%	---
Controlled PM10 Emission Factor	10.9	lb/day-acre
Controlled PM2.5 Emission Factor[a]	4.4	lb/day-acre

[b] For daily water applicatin rate of 1,703 gallons/acre, MDAQMD April 2000
Emissions [pounds per day] = Controlled emission factor [pounds per acre-day] x Storage pile surface area [acres]

Bulldozing, Scraping and Grading

Emission Factor [lb/hr] = 2.76 x k x (silt content [%])$^{1.5}$ / (moisture)$^{1.4}$
Reference: MDAQMD Emission Inventory Guidance Mineral Handling and Processing Industries, April 2000

Table 6c Bulldozing, Scraping and Grading Reference Data		
Parameter	**Value**	**Basis**
Particulate Aerodynamic Factor (k) for PM10	0.36	MDAQMD Emission Inventory Guidance Mineral Handling and Processing Industries, April
Particulate Aerodynamic Factor (k) for PM2.5	0.11	2000
Silt Content	18.03	Blythe AFC Geotechnical Report (Appendix B)
Moisture	15	SCAQMD 1993 CEQA Air Quality Handbook, Moist Soil

Table E.2-4f Bulldozing, Scraping and Grading Fugitive Emission Factors		
PM10 Emission Factor (Uncontrolled)	1.717	lb/hr
PM2.5 Emission Factor (Uncontrolled)	0.525	lb/hr
Reduction from watering*	0%	---
Controlled PM10 Emission Factor	1.717	lb/hr
Controlled PM2.5 Emission Factor[a]	0.525	lb/hr

[c] The assumed moisture content is based on frequent watering of exposed surfaces. Assumed no control efficiency for watering so as to not double c
Emissions [pounds per day] = Controlled emission factor [pounds per hour] x Bulldozing or grading time [hours/day]

Table 7-a
Construction Equipment Numbers

Equipment	Hr/Day	Number Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
Generator	6	1	1	1	0	1	1	1	0	1	1	1	0
Skip Loader	4	1	1	1	0	1	1	1	0	1	1	1	0
Track Trencher	8	1	1	1	0	1	1	1	0	1	1	1	0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
Dozer Cat D6R	8	0	0	0	1	1	1	1	1	1	1	1	1
Generator	8	0	0	0	2	2	2	2	2	2	2	2	2
Scraper Cat 623	8	0	0	0	2	2	2	2	2	2	2	2	2
Deere 210LE Skip Loader	8	0	0	0	1	1	1	1	1	1	1	1	1
Cat 140H Grader	8	0	0	0	2	2	2	2	2	2	2	2	2
Roller Vibrator/compactor/other	6	0	0	0	1	1	1	1	1	1	1	1	1
Cat BG600D Paver	6	0	0	0	0	1	1	1	1	0	0	0	0
PV PANEL CONSTRUCTION													
Generator	8	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressor	8	0	0	0	0	0	0	0	0	0	0	0	0
Dozer Cat D6R	4	0	0	0	0	0	0	0	0	0	0	0	0
Deere 210LE Skip Loader	8	0	0	0	0	0	0	0	0	0	0	0	0
Telehandler	8	0	0	0	0	0	0	0	0	0	0	0	0
Track Trencher	8	0	0	0	0	0	0	0	0	0	0	0	0
Cat 583T Pipelayer	6	0	0	0	0	0	0	0	0	0	0	0	0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
Generator	6	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressor	6	0	0	0	0	0	0	0	0	0	0	0	0
Skip Loader	6	0	0	0	0	0	0	0	0	0	0	0	0
Crane - Boom Truck	6	0	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning													
Cat BG600D Paver	6	0	0	0	0	0	0	0	0	0	0	0	0
Roller Vibrator/compactor/other	6	0	0	0	0	0	0	0	0	0	0	0	0

Table 7-a
Construction Equipment Numb

Equipment	Number Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
Generator	1	1	1	0	0	0	0	0	0	0	0	0	0
Skip Loader	1	1	1	0	0	0	0	0	0	0	0	0	0
Track Trencher	1	1	1	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRAD													
Dozer Cat D6R	0	1	1	1	1	1	1	1	1	1	0	1	1
Generator	0	0	0	0	0	0	0	0	0	0	0	0	0
Scraper Cat 623	0	2	2	2	2	2	2	2	2	2	0	2	2
Deere 210LE Skip Loader	0	1	1	1	1	1	1	1	1	1	0	1	1
Cat 140H Grader	0	2	2	2	2	2	2	2	2	2	0	2	2
Roller Vibrator/compactor/other	0	1	1	1	1	1	1	1	1	1	0	1	1
Cat BG600D Paver	0	0	0	0	0	0	0	0	0	0	0	0	0
PV PANEL CONSTRUCTION													
Generator	2	2	2	2	2	2	2	2	0	2	2	2	2
Air Compressor	2	2	2	2	2	2	2	2	0	2	2	2	2
Dozer Cat D6R	1	1	1	1	1	1	1	1	0	1	1	1	1
Deere 210LE Skip Loader	1	1	1	1	1	1	1	1	0	1	1	1	1
Telehandler	2	2	2	2	2	2	2	2	0	2	2	2	2
Track Trencher	1	1	1	1	1	1	1	1	0	1	1	1	1
Cat 583T Pipelayer	1	1	1	1	1	1	1	1	0	1	1	1	1
SUBSTATION-BLDG-WATER T													
Generator	0	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressor	0	0	0	0	0	0	1	1	1	1	0	0	0
Skip Loader	0	0	0	0	0	0	1	1	1	1	0	0	0
Crane - Boom Truck	0	0	0	0	0	0	1	1	1	1	0	0	0
Testing & Commissioning													
Cat BG600D Paver	0	0	0	0	0	0	0	0	1	1	0	0	0
Roller Vibrator/compactor/other	0	0	0	0	0	0	0	0	1	1	0	0	0

Table 7-a
Construction Equipment Numb

Equipment	Number Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
Generator	0	0	0	0	0	0	0	0	0	0	0	0	0
Skip Loader	0	0	0	0	0	0	0	0	0	0	0	0	0
Track Trencher	0	0	0	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRAD													
Dozer Cat D6R	1	1	1	1	1	1	1	0	1	1	1	1	1
Generator	0	0	0	0	0	0	0	0	0	0	0	0	0
Scraper Cat 623	2	2	2	2	2	2	2	0	2	2	2	2	2
Deere 210LE Skip Loader	1	1	1	1	1	1	1	0	1	1	1	1	1
Cat 140H Grader	2	2	2	2	2	2	2	0	2	2	2	2	2
Roller Vibrator/compactor/other	1	1	1	1	1	1	1	0	1	1	1	1	1
Cat BG600D Paver	0	0	0	0	0	0	0	0	0	0	0	0	0
PV PANEL CONSTRUCTION													
Generator	2	2	2	2	0	2	2	2	2	2	2	2	2
Air Compressor	2	2	2	2	0	2	2	2	2	2	2	2	2
Dozer Cat D6R	1	1	1	1	0	1	1	1	1	1	1	1	1
Deere 210LE Skip Loader	1	1	1	1	0	1	1	1	1	1	1	1	1
Telehandler	2	2	2	2	0	2	2	2	2	2	2	2	2
Track Trencher	1	1	1	1	0	1	1	1	1	1	1	1	1
Cat 583T Pipelayer	1	1	1	1	0	1	1	1	1	1	1	1	1
SUBSTATION-BLDG-WATER T													
Generator	0	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressor	0	0	0	0	0	0	0	0	0	0	0	0	0
Skip Loader	0	0	0	0	0	0	0	0	0	0	0	0	0
Crane - Boom Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning													
Cat BG600D Paver	0	0	0	0	1	1	0	0	0	0	0	0	0
Roller Vibrator/compactor/other	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 7-a
Construction Equipment Numb

Equipment	Number Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
Generator	0	0	0	0	0	0	0	0	0	0
Skip Loader	0	0	0	0	0	0	0	0	0	0
Track Trencher	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRAD										
Dozer Cat D6R	1	1	1	1	0	0	0	0	0	0
Generator	0	0	0	0	0	0	0	0	0	0
Scraper Cat 623	2	2	2	2	0	0	0	0	0	0
Deere 210LE Skip Loader	1	1	1	1	0	0	0	0	0	0
Cat 140H Grader	2	2	2	2	0	0	0	0	0	0
Roller Vibrator/compactor/other	1	1	1	1	0	0	0	0	0	0
Cat BG600D Paver	0	0	0	0	0	0	0	0	0	0
PV PANEL CONSTRUCTION										
Generator	0	2	2	2	2	2	2	2	2	0
Air Compressor	0	2	2	2	2	2	2	2	2	0
Dozer Cat D6R	0	1	1	1	1	1	1	1	1	0
Deere 210LE Skip Loader	0	1	1	1	1	1	1	1	1	0
Telehandler	0	2	2	2	2	2	2	2	2	0
Track Trencher	0	1	1	1	1	1	1	1	1	0
Cat 583T Pipelayer	0	1	1	1	1	1	1	1	1	0
SUBSTATION-BLDG-WATER T										
Generator	0	0	0	0	0	0	0	0	0	0
Air Compressor	0	0	0	0	0	0	0	0	0	0
Skip Loader	0	0	0	0	0	0	0	0	0	0
Crane - Boom Truck	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning										
Cat BG600D Paver	1	1	0	0	0	0	0	0	1	1
Roller Vibrator/compactor/other	0	0	0	0	0	0	0	0	1	1

Table 7-b
Monthly Construction Equipment Use

Equipment	Hours/Month[a]												
	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
FENCE - MOBILIZATION													
Generator	132	132	132	0	132	132	132	0	132	132	132	0	132
Skip Loader	88	88	88	0	88	88	88	0	88	88	88	0	88
Track Trencher	176	176	176	0	176	176	176	0	176	176	176	0	176
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
Dozer Cat D6R	0	0	0	176	176	176	176	176	176	176	176	176	0
Generator	0	0	0	352	352	352	352	352	352	352	352	352	0
Scraper Cat 623	0	0	0	352	352	352	352	352	352	352	352	352	0
Deere 210LE Skip Loader	0	0	0	176	176	176	176	176	176	176	176	176	0
Cat 140H Grader	0	0	0	352	352	352	352	352	352	352	352	352	0
Roller Vibrator/compactor/other	0	0	0	132	132	132	132	132	132	132	132	132	0
Cat BG600D Paver	0	0	0	0	132	132	132	132	0	0	0	0	0
PV PANEL CONSTRUCTION													
Generator	0	0	0	0	0	0	0	0	0	0	0	0	352
Air Compressor	0	0	0	0	0	0	0	0	0	0	0	0	352
Dozer Cat D6R	0	0	0	0	0	0	0	0	0	0	0	0	88
Deere 210LE Skip Loader	0	0	0	0	0	0	0	0	0	0	0	0	176
Telehandler	0	0	0	0	0	0	0	0	0	0	0	0	352
Track Trencher	0	0	0	0	0	0	0	0	0	0	0	0	176
Cat 583T Pipelayer	0	0	0	0	0	0	0	0	0	0	0	0	132
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
Generator	0	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressor	0	0	0	0	0	0	0	0	0	0	0	0	0
Skip Loader	0	0	0	0	0	0	0	0	0	0	0	0	0
Crane - Boom Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning													
Cat BG600D Paver	0	0	0	0	0	0	0	0	0	0	0	0	0
Roller Vibrator/compactor/other	0	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on 22 working days/month

Table 7-b
Monthly Construction Equipme

Equipment	Hours/Month[a]												
	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26
FENCE - MOBILIZATION													
Generator	132	132	0	0	0	0	0	0	0	0	0	0	0
Skip Loader	88	88	0	0	0	0	0	0	0	0	0	0	0
Track Trencher	176	176	0	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRAD													
Dozer Cat D6R	176	176	176	176	176	176	176	176	176	0	176	176	176
Generator	0	0	0	0	0	0	0	0	0	0	0	0	0
Scraper Cat 623	352	352	352	352	352	352	352	352	352	0	352	352	352
Deere 210LE Skip Loader	176	176	176	176	176	176	176	176	176	0	176	176	176
Cat 140H Grader	352	352	352	352	352	352	352	352	352	0	352	352	352
Roller Vibrator/compactor/other	132	132	132	132	132	132	132	132	132	0	132	132	132
Cat BG600D Paver	0	0	0	0	0	0	0	0	0	0	0	0	0
PV PANEL CONSTRUCTION													
Generator	352	352	352	352	352	352	352	0	352	352	352	352	352
Air Compressor	352	352	352	352	352	352	352	0	352	352	352	352	352
Dozer Cat D6R	88	88	88	88	88	88	88	0	88	88	88	88	88
Deere 210LE Skip Loader	176	176	176	176	176	176	176	0	176	176	176	176	176
Telehandler	352	352	352	352	352	352	352	0	352	352	352	352	352
Track Trencher	176	176	176	176	176	176	176	0	176	176	176	176	176
Cat 583T Pipelayer	132	132	132	132	132	132	132	0	132	132	132	132	132
SUBSTATION-BLDG-WATER T													
Generator	0	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressor	0	0	0	0	0	132	132	132	132	0	0	0	0
Skip Loader	0	0	0	0	0	132	132	132	132	0	0	0	0
Crane - Boom Truck	0	0	0	0	0	132	132	132	132	0	0	0	0
Testing & Commissioning													
Cat BG600D Paver	0	0	0	0	0	0	0	132	132	0	0	0	0
Roller Vibrator/compactor/other	0	0	0	0	0	0	0	132	132	0	0	0	0

[a] Based on 22 working days/mont

Table 7-b
Monthly Construction Equipme

Equipment	Hours/Month[a]												
	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39
FENCE - MOBILIZATION													
Generator	0	0	0	0	0	0	0	0	0	0	0	0	0
Skip Loader	0	0	0	0	0	0	0	0	0	0	0	0	0
Track Trencher	0	0	0	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRAD													
Dozer Cat D6R	176	176	176	176	176	176	0	176	176	176	176	176	176
Generator	0	0	0	0	0	0	0	0	0	0	0	0	0
Scraper Cat 623	352	352	352	352	352	352	0	352	352	352	352	352	352
Deere 210LE Skip Loader	176	176	176	176	176	176	0	176	176	176	176	176	176
Cat 140H Grader	352	352	352	352	352	352	0	352	352	352	352	352	352
Roller Vibrator/compactor/other	132	132	132	132	132	132	0	132	132	132	132	132	132
Cat BG600D Paver	0	0	0	0	0	0	0	0	0	0	0	0	0
PV PANEL CONSTRUCTION													
Generator	352	352	352	0	352	352	352	352	352	352	352	352	0
Air Compressor	352	352	352	0	352	352	352	352	352	352	352	352	0
Dozer Cat D6R	88	88	88	0	88	88	88	88	88	88	88	88	0
Deere 210LE Skip Loader	176	176	176	0	176	176	176	176	176	176	176	176	0
Telehandler	352	352	352	0	352	352	352	352	352	352	352	352	0
Track Trencher	176	176	176	0	176	176	176	176	176	176	176	176	0
Cat 583T Pipelayer	132	132	132	0	132	132	132	132	132	132	132	132	0
SUBSTATION-BLDG-WATER T													
Generator	0	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressor	0	0	0	0	0	0	0	0	0	0	0	0	0
Skip Loader	0	0	0	0	0	0	0	0	0	0	0	0	0
Crane - Boom Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning													
Cat BG600D Paver	0	0	0	132	132	0	0	0	0	0	0	0	132
Roller Vibrator/compactor/other	0	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on 22 working days/mont

Table 7-b
Monthly Construction Equipme

Equipment	Hours/Month[a]								
	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION									
Generator	0	0	0	0	0	0	0	0	0
Skip Loader	0	0	0	0	0	0	0	0	0
Track Trencher	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRAD									
Dozer Cat D6R	176	176	176	0	0	0	0	0	0
Generator	0	0	0	0	0	0	0	0	0
Scraper Cat 623	352	352	352	0	0	0	0	0	0
Deere 210LE Skip Loader	176	176	176	0	0	0	0	0	0
Cat 140H Grader	352	352	352	0	0	0	0	0	0
Roller Vibrator/compactor/other	132	132	132	0	0	0	0	0	0
Cat BG600D Paver	0	0	0	0	0	0	0	0	0
PV PANEL CONSTRUCTION									
Generator	352	352	352	352	352	352	352	352	0
Air Compressor	352	352	352	352	352	352	352	352	0
Dozer Cat D6R	88	88	88	88	88	88	88	88	0
Deere 210LE Skip Loader	176	176	176	176	176	176	176	176	0
Telehandler	352	352	352	352	352	352	352	352	0
Track Trencher	176	176	176	176	176	176	176	176	0
Cat 583T Pipelayer	132	132	132	132	132	132	132	132	0
SUBSTATION-BLDG-WATER T									
Generator	0	0	0	0	0	0	0	0	0
Air Compressor	0	0	0	0	0	0	0	0	0
Skip Loader	0	0	0	0	0	0	0	0	0
Crane - Boom Truck	0	0	0	0	0	0	0	0	0
Testing & Commissioning									
Cat BG600D Paver	132	0	0	0	0	0	0	132	132
Roller Vibrator/compactor/other	0	0	0	0	0	0	0	132	132

[a] Based on 22 working days/mont

Table 7-c
Monthly Construction Equipment CO Emissions

Equipment	Emission Factor (lb/hr)	CO Emissions (lb/month)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
Generator	1.82E-01	24.0	24.0	24.0	0.0	24.0	24.0	24.0	0.0	24.0	24.0	24.0	0.0
Skip Loader	3.93E-01	34.6	34.6	34.6	0.0	34.6	34.6	34.6	0.0	34.6	34.6	34.6	0.0
Track Trencher	4.14E-01	72.9	72.9	72.9	0.0	72.9	72.9	72.9	0.0	72.9	72.9	72.9	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
Dozer Cat D6R	3.54E-01	0.0	0.0	0.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
Generator	1.82E-01	0.0	0.0	0.0	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
Scraper Cat 623	6.43E-01	0.0	0.0	0.0	226.5	226.5	226.5	226.5	226.5	226.5	226.5	226.5	226.5
Deere 210LE Skip Loader	3.93E-01	0.0	0.0	0.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
Cat 140H Grader	3.66E-01	0.0	0.0	0.0	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7
Roller Vibrator/compactor/other	4.05E-01	0.0	0.0	0.0	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
Cat BG600D Paver	7.42E-01	0.0	0.0	0.0	0.0	98.0	98.0	98.0	98.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
Generator	1.82E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	5.95E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dozer Cat D6R	3.54E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	3.93E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Telehandler	2.21E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	4.14E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 583T Pipelayer	4.72E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
Generator	1.82E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	5.95E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	3.93E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	2.39E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Cat BG600D Paver	7.42E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	4.05E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**131.5**	**131.5**	**131.5**	**604.0**	**833.5**	**833.5**	**833.5**	**702.0**	**735.5**	**735.5**	**735.5**	**604.0**

Table 7-c
Monthly Construction Equipme

Equipment	CO Emissions (lb/month)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
Generator	24.0	24.0	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	34.6	34.6	34.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	72.9	72.9	72.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD													
Dozer Cat D6R	0.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	0.0	62.3	62.3
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	0.0	226.5	226.5	226.5	226.5	226.5	226.5	226.5	226.5	226.5	0.0	226.5	226.5
Deere 210LE Skip Loader	0.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	0.0	69.2	69.2
Cat 140H Grader	0.0	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7	0.0	128.7	128.7
Roller Vibrator/compactor/other	0.0	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	0.0	53.4	53.4
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
Generator	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	0.0	63.9	63.9	63.9	63.9
Air Compressor	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	0.0	20.9	20.9	20.9	20.9
Dozer Cat D6R	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	0.0	31.1	31.1	31.1	31.1
Deere 210LE Skip Loader	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	0.0	69.2	69.2	69.2	69.2
Telehandler	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	0.0	77.7	77.7	77.7	77.7
Track Trencher	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	0.0	72.9	72.9	72.9	72.9
Cat 583T Pipelayer	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	0.0	62.3	62.3	62.3	62.3
SUBSTATION-BLDG-WATER T													
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	7.9	7.9	7.9	7.9	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	51.9	51.9	51.9	51.9	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	31.5	31.5	31.5	31.5	0.0	0.0	0.0
Testing & Commissioning													
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	98.0	98.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.4	53.4	0.0	0.0	0.0
TOTAL (lb/month)	**529.6**	**1,069.7**	**1,069.7**	**938.2**	**938.2**	**938.2**	**1,029.5**	**1,029.5**	**782.8**	**1,180.9**	**398.2**	**938.2**	**938.2**

Table 7-c
Monthly Construction Equipme

Equipment	CO Emissions (lb/month)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD													
Dozer Cat D6R	62.3	62.3	62.3	62.3	62.3	62.3	62.3	0.0	62.3	62.3	62.3	62.3	62.3
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	226.5	226.5	226.5	226.5	226.5	226.5	226.5	0.0	226.5	226.5	226.5	226.5	226.5
Deere 210LE Skip Loader	69.2	69.2	69.2	69.2	69.2	69.2	69.2	0.0	69.2	69.2	69.2	69.2	69.2
Cat 140H Grader	128.7	128.7	128.7	128.7	128.7	128.7	128.7	0.0	128.7	128.7	128.7	128.7	128.7
Roller Vibrator/compactor/other	53.4	53.4	53.4	53.4	53.4	53.4	53.4	0.0	53.4	53.4	53.4	53.4	53.4
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
Generator	63.9	63.9	63.9	63.9	0.0	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
Air Compressor	20.9	20.9	20.9	20.9	0.0	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
Dozer Cat D6R	31.1	31.1	31.1	31.1	0.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
Deere 210LE Skip Loader	69.2	69.2	69.2	69.2	0.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
Telehandler	77.7	77.7	77.7	77.7	0.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
Track Trencher	72.9	72.9	72.9	72.9	0.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
Cat 583T Pipelayer	62.3	62.3	62.3	62.3	0.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
SUBSTATION-BLDG-WATER T													
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Cat BG600D Paver	0.0	0.0	0.0	0.0	98.0	98.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**938.2**	**938.2**	**938.2**	**938.2**	**638.1**	**1,036.2**	**938.2**	**398.2**	**938.2**	**938.2**	**938.2**	**938.2**	**938.2**

Table 7-c
Monthly Construction Equipme

Equipment	CO Emissions (lb/month)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD										
Dozer Cat D6R	62.3	62.3	62.3	62.3	0.0	0.0	0.0	0.0	0.0	0.0
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	226.5	226.5	226.5	226.5	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	69.2	69.2	69.2	69.2	0.0	0.0	0.0	0.0	0.0	0.0
Cat 140H Grader	128.7	128.7	128.7	128.7	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	53.4	53.4	53.4	53.4	0.0	0.0	0.0	0.0	0.0	0.0
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
Generator	0.0	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	0.0
Air Compressor	0.0	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	0.0
Dozer Cat D6R	0.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	0.0
Deere 210LE Skip Loader	0.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	0.0
Telehandler	0.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	0.0
Track Trencher	0.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	0.0
Cat 583T Pipelayer	0.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	0.0
SUBSTATION-BLDG-WATER T										
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
Cat BG600D Paver	98.0	98.0	0.0	0.0	0.0	0.0	0.0	0.0	98.0	98.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.4	53.4
TOTAL (lb/month)	**638.1**	**1,036.2**	**938.2**	**938.2**	**398.2**	**398.2**	**398.2**	**398.2**	**549.6**	**151.4**

Table 7-d
Monthly Construction Equipment ROG Emissions

Equipment	Emission Factor (lb/hr)	ROG Emissions (lb/month)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
Generator	1.26E-02	1.7	1.7	1.7	0.0	1.7	1.7	1.7	0.0	1.7	1.7	1.7	0.0
Skip Loader	4.11E-02	3.6	3.6	3.6	0.0	3.6	3.6	3.6	0.0	3.6	3.6	3.6	0.0
Track Trencher	5.06E-02	8.9	8.9	8.9	0.0	8.9	8.9	8.9	0.0	8.9	8.9	8.9	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
Dozer Cat D6R	1.43E-01	0.0	0.0	0.0	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
Generator	1.26E-02	0.0	0.0	0.0	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
Scraper Cat 623	2.72E-01	0.0	0.0	0.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
Deere 210LE Skip Loader	4.11E-02	0.0	0.0	0.0	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
Cat 140H Grader	1.48E-01	0.0	0.0	0.0	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
Roller Vibrator/compactor/other	1.30E-01	0.0	0.0	0.0	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
Cat BG600D Paver	8.35E-02	0.0	0.0	0.0	0.0	11.0	11.0	11.0	11.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
Generator	1.26E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	1.74E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dozer Cat D6R	1.43E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	4.11E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Telehandler	2.64E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	5.06E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 583T Pipelayer	1.55E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
Generator	1.26E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	1.74E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	4.11E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	9.68E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Cat BG600D Paver	8.35E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	1.30E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**14.2**	**14.2**	**14.2**	**201.7**	**226.9**	**226.9**	**226.9**	**212.7**	**215.9**	**215.9**	**215.9**	**201.7**

Table 7-d
Monthly Construction Equipme

Equipment	ROG Emissions (lb/month)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
Generator	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	3.6	3.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	8.9	8.9	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD													
Dozer Cat D6R	0.0	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	0.0	25.2	25.2
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	0.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	0.0	95.7	95.7
Deere 210LE Skip Loader	0.0	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	0.0	7.2	7.2
Cat 140H Grader	0.0	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	0.0	51.9	51.9
Roller Vibrator/compactor/other	0.0	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	0.0	17.2	17.2
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
Generator	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	0.0	4.4	4.4	4.4	4.4
Air Compressor	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	0.0	6.1	6.1	6.1	6.1
Dozer Cat D6R	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	0.0	12.6	12.6	12.6	12.6
Deere 210LE Skip Loader	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	0.0	7.2	7.2	7.2	7.2
Telehandler	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	0.0	9.3	9.3	9.3	9.3
Track Trencher	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	0.0	8.9	8.9	8.9	8.9
Cat 583T Pipelayer	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	0.0	20.4	20.4	20.4	20.4
SUBSTATION-BLDG-WATER T													
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	5.4	5.4	5.4	5.4	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	12.8	12.8	12.8	12.8	0.0	0.0	0.0
Testing & Commissioning													
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	11.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.2	17.2	0.0	0.0	0.0
TOTAL (lb/month)	**83.2**	**280.5**	**280.5**	**266.3**	**266.3**	**266.3**	**286.8**	**286.8**	**245.9**	**315.0**	**69.0**	**266.3**	**266.3**

Table 7-d
Monthly Construction Equipme

Equipment	ROG Emissions (lb/month)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD													
Dozer Cat D6R	25.2	25.2	25.2	25.2	25.2	25.2	25.2	0.0	25.2	25.2	25.2	25.2	25.2
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	95.7	95.7	95.7	95.7	95.7	95.7	95.7	0.0	95.7	95.7	95.7	95.7	95.7
Deere 210LE Skip Loader	7.2	7.2	7.2	7.2	7.2	7.2	7.2	0.0	7.2	7.2	7.2	7.2	7.2
Cat 140H Grader	51.9	51.9	51.9	51.9	51.9	51.9	51.9	0.0	51.9	51.9	51.9	51.9	51.9
Roller Vibrator/compactor/other	17.2	17.2	17.2	17.2	17.2	17.2	17.2	0.0	17.2	17.2	17.2	17.2	17.2
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
Generator	4.4	4.4	4.4	4.4	0.0	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
Air Compressor	6.1	6.1	6.1	6.1	0.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
Dozer Cat D6R	12.6	12.6	12.6	12.6	0.0	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
Deere 210LE Skip Loader	7.2	7.2	7.2	7.2	0.0	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
Telehandler	9.3	9.3	9.3	9.3	0.0	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
Track Trencher	8.9	8.9	8.9	8.9	0.0	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
Cat 583T Pipelayer	20.4	20.4	20.4	20.4	0.0	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
SUBSTATION-BLDG-WATER T													
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Cat BG600D Paver	0.0	0.0	0.0	0.0	11.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**266.3**	**266.3**	**266.3**	**266.3**	**208.3**	**277.3**	**266.3**	**69.0**	**266.3**	**266.3**	**266.3**	**266.3**	**266.3**

Table 7-d
Monthly Construction Equipme

Equipment	ROG Emissions (lb/month)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD										
Dozer Cat D6R	25.2	25.2	25.2	25.2	0.0	0.0	0.0	0.0	0.0	0.0
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	95.7	95.7	95.7	95.7	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	7.2	7.2	7.2	7.2	0.0	0.0	0.0	0.0	0.0	0.0
Cat 140H Grader	51.9	51.9	51.9	51.9	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	17.2	17.2	17.2	17.2	0.0	0.0	0.0	0.0	0.0	0.0
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
Generator	0.0	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	0.0
Air Compressor	0.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	0.0
Dozer Cat D6R	0.0	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	0.0
Deere 210LE Skip Loader	0.0	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	0.0
Telehandler	0.0	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	0.0
Track Trencher	0.0	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	0.0
Cat 583T Pipelayer	0.0	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	0.0
SUBSTATION-BLDG-WATER T										
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
Cat BG600D Paver	11.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	11.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.2	17.2
TOTAL (lb/month)	**208.3**	**277.3**	**266.3**	**266.3**	**69.0**	**69.0**	**69.0**	**69.0**	**97.2**	**28.2**

Table 7-e
Monthly Construction Equipment NOx Emissions

Equipment	Emission Factor (lb/hr)	NOx Emissions (lb/month)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
Generator	2.57E-01	33.9	33.9	33.9	0.0	33.9	33.9	33.9	0.0	33.9	33.9	33.9	0.0
Skip Loader	3.18E-01	28.0	28.0	28.0	0.0	28.0	28.0	28.0	0.0	28.0	28.0	28.0	0.0
Track Trencher	5.95E-01	104.7	104.7	104.7	0.0	104.7	104.7	104.7	0.0	104.7	104.7	104.7	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
Dozer Cat D6R	1.42E+00	0.0	0.0	0.0	250.5	250.5	250.5	250.5	250.5	250.5	250.5	250.5	250.5
Generator	2.57E-01	0.0	0.0	0.0	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
Scraper Cat 623	1.52E+00	0.0	0.0	0.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0
Deere 210LE Skip Loader	3.18E-01	0.0	0.0	0.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
Cat 140H Grader	1.47E+00	0.0	0.0	0.0	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2
Roller Vibrator/compactor/other	9.78E-01	0.0	0.0	0.0	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1
Cat BG600D Paver	5.80E-01	0.0	0.0	0.0	0.0	76.6	76.6	76.6	76.6	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
Generator	2.57E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	1.10E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dozer Cat D6R	1.42E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	3.18E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Telehandler	1.74E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	5.95E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 583T Pipelayer	1.14E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
Generator	2.57E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	1.10E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	3.18E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	9.61E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Cat BG600D Paver	5.80E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	9.78E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**166.6**	**166.6**	**166.6**	**1,578.2**	**1,821.4**	**1,821.4**	**1,821.4**	**1,654.8**	**1,744.8**	**1,744.8**	**1,744.8**	**1,578.2**

Table 7-e
Monthly Construction Equipme

Equipment	NOx Emissions (lb/month)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
Generator	33.9	33.9	33.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	28.0	28.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	104.7	104.7	104.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD													
Dozer Cat D6R	0.0	250.5	250.5	250.5	250.5	250.5	250.5	250.5	250.5	250.5	0.0	250.5	250.5
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	0.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0	534.0	0.0	534.0	534.0
Deere 210LE Skip Loader	0.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	0.0	56.0	56.0
Cat 140H Grader	0.0	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	0.0	518.2	518.2
Roller Vibrator/compactor/other	0.0	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	0.0	129.1	129.1
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
Generator	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	0.0	90.5	90.5	90.5	90.5
Air Compressor	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	0.0	38.8	38.8	38.8	38.8
Dozer Cat D6R	125.2	125.2	125.2	125.2	125.2	125.2	125.2	125.2	0.0	125.2	125.2	125.2	125.2
Deere 210LE Skip Loader	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	0.0	56.0	56.0	56.0	56.0
Telehandler	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	0.0	61.3	61.3	61.3	61.3
Track Trencher	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7	0.0	104.7	104.7	104.7	104.7
Cat 583T Pipelayer	150.4	150.4	150.4	150.4	150.4	150.4	150.4	150.4	0.0	150.4	150.4	150.4	150.4
SUBSTATION-BLDG-WATER T													
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	14.5	14.5	14.5	14.5	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	42.0	42.0	42.0	42.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	126.8	126.8	126.8	126.8	0.0	0.0	0.0
Testing & Commissioning													
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.6	76.6	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	129.1	129.1	0.0	0.0	0.0
TOTAL (lb/month)	**793.5**	**2,281.2**	**2,281.2**	**2,114.5**	**2,114.5**	**2,114.5**	**2,297.9**	**2,297.9**	**1,876.7**	**2,503.6**	**626.9**	**2,114.5**	**2,114.5**

Table 7-e
Monthly Construction Equipme

Equipment	NOx Emissions (lb/month)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD													
Dozer Cat D6R	250.5	250.5	250.5	250.5	250.5	250.5	250.5	0.0	250.5	250.5	250.5	250.5	250.5
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	534.0	534.0	534.0	534.0	534.0	534.0	534.0	0.0	534.0	534.0	534.0	534.0	534.0
Deere 210LE Skip Loader	56.0	56.0	56.0	56.0	56.0	56.0	56.0	0.0	56.0	56.0	56.0	56.0	56.0
Cat 140H Grader	518.2	518.2	518.2	518.2	518.2	518.2	518.2	0.0	518.2	518.2	518.2	518.2	518.2
Roller Vibrator/compactor/other	129.1	129.1	129.1	129.1	129.1	129.1	129.1	0.0	129.1	129.1	129.1	129.1	129.1
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
Generator	90.5	90.5	90.5	90.5	0.0	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
Air Compressor	38.8	38.8	38.8	38.8	0.0	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
Dozer Cat D6R	125.2	125.2	125.2	125.2	0.0	125.2	125.2	125.2	125.2	125.2	125.2	125.2	125.2
Deere 210LE Skip Loader	56.0	56.0	56.0	56.0	0.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
Telehandler	61.3	61.3	61.3	61.3	0.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
Track Trencher	104.7	104.7	104.7	104.7	0.0	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7
Cat 583T Pipelayer	150.4	150.4	150.4	150.4	0.0	150.4	150.4	150.4	150.4	150.4	150.4	150.4	150.4
SUBSTATION-BLDG-WATER T													
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Cat BG600D Paver	0.0	0.0	0.0	0.0	76.6	76.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**2,114.5**	**2,114.5**	**2,114.5**	**2,114.5**	**1,564.3**	**2,191.1**	**2,114.5**	**626.9**	**2,114.5**	**2,114.5**	**2,114.5**	**2,114.5**	**2,114.5**

Table 7-e
Monthly Construction Equipme

Equipment	NOx Emissions (lb/month)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD										
Dozer Cat D6R	250.5	250.5	250.5	250.5	0.0	0.0	0.0	0.0	0.0	0.0
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	534.0	534.0	534.0	534.0	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	56.0	56.0	56.0	56.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 140H Grader	518.2	518.2	518.2	518.2	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	129.1	129.1	129.1	129.1	0.0	0.0	0.0	0.0	0.0	0.0
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
Generator	0.0	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	0.0
Air Compressor	0.0	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	0.0
Dozer Cat D6R	0.0	125.2	125.2	125.2	125.2	125.2	125.2	125.2	125.2	0.0
Deere 210LE Skip Loader	0.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	0.0
Telehandler	0.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	0.0
Track Trencher	0.0	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7	0.0
Cat 583T Pipelayer	0.0	150.4	150.4	150.4	150.4	150.4	150.4	150.4	150.4	0.0
SUBSTATION-BLDG-WATER T										
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
Cat BG600D Paver	76.6	76.6	0.0	0.0	0.0	0.0	0.0	0.0	76.6	76.6
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	129.1	129.1
TOTAL (lb/month)	**1,564.3**	**2,191.1**	**2,114.5**	**2,114.5**	**626.9**	**626.9**	**626.9**	**626.9**	**832.5**	**205.7**

Table 7-f
Monthly Construction Equipment SOx Emissions

Equipment	Emission Factor (lb/hr)	SOx Emissions (lb/month)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
Generator	3.96E-04	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0
Skip Loader	6.90E-04	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0
Track Trencher	7.61E-04	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
Dozer Cat D6R	1.87E-03	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Generator	3.96E-04	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Scraper Cat 623	3.15E-03	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Deere 210LE Skip Loader	6.90E-04	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Cat 140H Grader	1.93E-03	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Roller Vibrator/compactor/other	2.15E-03	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Cat BG600D Paver	1.44E-03	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
Generator	3.96E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	1.83E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dozer Cat D6R	1.87E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	6.90E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Telehandler	3.66E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	7.61E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 583T Pipelayer	2.49E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
Generator	3.96E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	1.83E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	6.90E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	1.26E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Cat BG600D Paver	1.44E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	2.15E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**0.2**	**0.2**	**0.2**	**2.7**	**3.1**	**3.1**	**3.1**	**2.9**	**2.9**	**2.9**	**2.9**	**2.7**

Table 7-f
Monthly Construction Equipme

Equipment	SOx Emissions (lb/month)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
Generator	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD													
Dozer Cat D6R	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1
Deere 210LE Skip Loader	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
Cat 140H Grader	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7
Roller Vibrator/compactor/other	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
Generator	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Air Compressor	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Dozer Cat D6R	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2
Deere 210LE Skip Loader	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Telehandler	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Track Trencher	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Cat 583T Pipelayer	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3
SUBSTATION-BLDG-WATER T													
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0
Testing & Commissioning													
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0
TOTAL (lb/month)	**1.3**	**3.9**	**3.9**	**3.6**	**3.6**	**3.6**	**3.9**	**3.9**	**3.3**	**4.4**	**1.1**	**3.6**	**3.6**

Table 7-f
Monthly Construction Equipme

Equipment	SOx Emissions (lb/month)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD													
Dozer Cat D6R	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1	1.1	1.1	1.1
Deere 210LE Skip Loader	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1
Cat 140H Grader	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7
Roller Vibrator/compactor/other	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
Generator	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Air Compressor	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Dozer Cat D6R	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Deere 210LE Skip Loader	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Telehandler	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Track Trencher	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Cat 583T Pipelayer	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
SUBSTATION-BLDG-WATER T													
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**3.6**	**3.6**	**3.6**	**3.6**	**2.7**	**3.8**	**3.6**	**1.1**	**3.6**	**3.6**	**3.6**	**3.6**	**3.6**

Table 7-f
Monthly Construction Equipme

Equipment	SOx Emissions (lb/month)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD										
Dozer Cat D6R	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Cat 140H Grader	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
Generator	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Air Compressor	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Dozer Cat D6R	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
Deere 210LE Skip Loader	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Telehandler	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Track Trencher	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Cat 583T Pipelayer	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
SUBSTATION-BLDG-WATER T										
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
Cat BG600D Paver	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
TOTAL (lb/month)	**2.7**	**3.8**	**3.6**	**3.6**	**1.1**	**1.1**	**1.1**	**1.1**	**1.6**	**0.5**

Table 7-g
Monthly Construction Equipment PM10 Emissions

Equipment	Emission Factor (lb/hr)	PM10 Emissions (lb/month)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
Generator	8.11E-03	1.1	1.1	1.1	0.0	1.1	1.1	1.1	0.0	1.1	1.1	1.1	0.0
Skip Loader	2.31E-02	2.0	2.0	2.0	0.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	0.0
Track Trencher	3.25E-02	5.7	5.7	5.7	0.0	5.7	5.7	5.7	0.0	5.7	5.7	5.7	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
Dozer Cat D6R	4.19E-02	0.0	0.0	0.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
Generator	8.11E-03	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Scraper Cat 623	7.98E-02	0.0	0.0	0.0	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
Deere 210LE Skip Loader	2.31E-02	0.0	0.0	0.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Cat 140H Grader	4.33E-02	0.0	0.0	0.0	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
Roller Vibrator/compactor/other	4.62E-02	0.0	0.0	0.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
Cat BG600D Paver	4.02E-02	0.0	0.0	0.0	0.0	5.3	5.3	5.3	5.3	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
Generator	8.11E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	3.86E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dozer Cat D6R	4.19E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	2.31E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Telehandler	1.33E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	3.25E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 583T Pipelayer	5.42E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
Generator	8.11E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	3.86E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	2.31E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	2.83E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Cat BG600D Paver	4.02E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	4.62E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**8.8**	**8.8**	**8.8**	**63.7**	**77.9**	**77.9**	**77.9**	**69.1**	**72.6**	**72.6**	**72.6**	**63.7**

Table 7-g
Monthly Construction Equipme

Equipment	PM10 Emissions (lb/month)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
Generator	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	5.7	5.7	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD													
Dozer Cat D6R	0.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	0.0	7.4	7.4
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	0.0	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	0.0	28.1	28.1
Deere 210LE Skip Loader	0.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	0.0	4.1	4.1
Cat 140H Grader	0.0	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	0.0	15.2	15.2
Roller Vibrator/compactor/other	0.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	0.0	6.1	6.1
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
Generator	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	2.9	2.9	2.9	2.9
Air Compressor	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
Dozer Cat D6R	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7
Deere 210LE Skip Loader	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	0.0	4.1	4.1	4.1	4.1
Telehandler	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	0.0	4.7	4.7	4.7	4.7
Track Trencher	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	0.0	5.7	5.7	5.7	5.7
Cat 583T Pipelayer	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	0.0	7.2	7.2	7.2	7.2
SUBSTATION-BLDG-WATER T													
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	0.0	0.0	0.0
Testing & Commissioning													
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	5.3	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	6.1	0.0	0.0	0.0
TOTAL (lb/month)	**38.4**	**99.2**	**99.2**	**90.4**	**90.4**	**90.4**	**97.7**	**97.7**	**79.6**	**109.1**	**29.5**	**90.4**	**90.4**

Table 7-g
Monthly Construction Equipme

Equipment	PM10 Emissions (lb/month)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD													
Dozer Cat D6R	7.4	7.4	7.4	7.4	7.4	7.4	7.4	0.0	7.4	7.4	7.4	7.4	7.4
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	28.1	28.1	28.1	28.1	28.1	28.1	28.1	0.0	28.1	28.1	28.1	28.1	28.1
Deere 210LE Skip Loader	4.1	4.1	4.1	4.1	4.1	4.1	4.1	0.0	4.1	4.1	4.1	4.1	4.1
Cat 140H Grader	15.2	15.2	15.2	15.2	15.2	15.2	15.2	0.0	15.2	15.2	15.2	15.2	15.2
Roller Vibrator/compactor/other	6.1	6.1	6.1	6.1	6.1	6.1	6.1	0.0	6.1	6.1	6.1	6.1	6.1
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
Generator	2.9	2.9	2.9	2.9	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Air Compressor	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Dozer Cat D6R	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
Deere 210LE Skip Loader	4.1	4.1	4.1	4.1	0.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Telehandler	4.7	4.7	4.7	4.7	0.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
Track Trencher	5.7	5.7	5.7	5.7	0.0	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
Cat 583T Pipelayer	7.2	7.2	7.2	7.2	0.0	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
SUBSTATION-BLDG-WATER T													
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Cat BG600D Paver	0.0	0.0	0.0	0.0	5.3	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**90.4**	**90.4**	**90.4**	**90.4**	**66.2**	**95.7**	**90.4**	**29.5**	**90.4**	**90.4**	**90.4**	**90.4**	**90.4**

Table 7-g
Monthly Construction Equipme

Equipment	PM10 Emissions (lb/month)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD										
Dozer Cat D6R	7.4	7.4	7.4	7.4	0.0	0.0	0.0	0.0	0.0	0.0
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	28.1	28.1	28.1	28.1	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	4.1	4.1	4.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0
Cat 140H Grader	15.2	15.2	15.2	15.2	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	6.1	6.1	6.1	6.1	0.0	0.0	0.0	0.0	0.0	0.0
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
Generator	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0
Air Compressor	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0
Dozer Cat D6R	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0
Deere 210LE Skip Loader	0.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	0.0
Telehandler	0.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	0.0
Track Trencher	0.0	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	0.0
Cat 583T Pipelayer	0.0	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	0.0
SUBSTATION-BLDG-WATER T										
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
Cat BG600D Paver	5.3	5.3	0.0	0.0	0.0	0.0	0.0	0.0	5.3	5.3
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	6.1
TOTAL (lb/month)	**66.2**	**95.7**	**90.4**	**90.4**	**29.5**	**29.5**	**29.5**	**29.5**	**40.9**	**11.4**

Tabke 7-h
Monthly Construction Equipment PM2.5 Emissions

Equipment	Emission Factor (lb/hr)	PM2.5 Emissions (lb/month)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
Generator	7.46E-03	1.0	1.0	1.0	0.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	0.0
Skip Loader	2.13E-02	1.9	1.9	1.9	0.0	1.9	1.9	1.9	0.0	1.9	1.9	1.9	0.0
Track Trencher	2.99E-02	5.3	5.3	5.3	0.0	5.3	5.3	5.3	0.0	5.3	5.3	5.3	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
Dozer Cat D6R	3.86E-02	0.0	0.0	0.0	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
Generator	7.46E-03	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Scraper Cat 623	7.35E-02	0.0	0.0	0.0	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
Deere 210LE Skip Loader	2.13E-02	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
Cat 140H Grader	3.98E-02	0.0	0.0	0.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
Roller Vibrator/compactor/other	4.25E-02	0.0	0.0	0.0	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
Cat BG600D Paver	3.70E-02	0.0	0.0	0.0	0.0	4.9	4.9	4.9	4.9	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
Generator	7.46E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	3.56E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dozer Cat D6R	3.86E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	2.13E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Telehandler	1.22E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	2.99E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 583T Pipelayer	4.99E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
Generator	7.46E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	3.56E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	2.13E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	2.60E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Cat BG600D Paver	3.70E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	4.25E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**8.1**	**8.1**	**8.1**	**58.6**	**71.7**	**71.7**	**71.7**	**63.5**	**66.8**	**66.8**	**66.8**	**58.6**

Tabke 7-h
Monthly Construction Equipme

Equipment	PM2.5 Emissions (lb/month)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
Generator	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	5.3	5.3	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD													
Dozer Cat D6R	0.0	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	0.0	6.8	6.8
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	0.0	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	0.0	25.9	25.9
Deere 210LE Skip Loader	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	3.7	3.7
Cat 140H Grader	0.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	0.0	14.0	14.0
Roller Vibrator/compactor/other	0.0	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	0.0	5.6	5.6
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
Generator	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	2.6	2.6	2.6	2.6
Air Compressor	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
Dozer Cat D6R	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4
Deere 210LE Skip Loader	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7
Telehandler	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	0.0	4.3	4.3	4.3	4.3
Track Trencher	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	0.0	5.3	5.3	5.3	5.3
Cat 583T Pipelayer	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	0.0	6.6	6.6	6.6	6.6
SUBSTATION-BLDG-WATER T													
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	0.0	0.0	0.0
Testing & Commissioning													
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	4.9	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	5.6	0.0	0.0	0.0
TOTAL (lb/month)	**35.3**	**91.3**	**91.3**	**83.2**	**83.2**	**83.2**	**89.9**	**89.9**	**73.2**	**100.4**	**27.2**	**83.2**	**83.2**

Tabke 7-h
Monthly Construction Equipme

Equipment	PM2.5 Emissions (lb/month)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD													
Dozer Cat D6R	6.8	6.8	6.8	6.8	6.8	6.8	6.8	0.0	6.8	6.8	6.8	6.8	6.8
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	25.9	25.9	25.9	25.9	25.9	25.9	25.9	0.0	25.9	25.9	25.9	25.9	25.9
Deere 210LE Skip Loader	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7	3.7
Cat 140H Grader	14.0	14.0	14.0	14.0	14.0	14.0	14.0	0.0	14.0	14.0	14.0	14.0	14.0
Roller Vibrator/compactor/other	5.6	5.6	5.6	5.6	5.6	5.6	5.6	0.0	5.6	5.6	5.6	5.6	5.6
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
Generator	2.6	2.6	2.6	2.6	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Air Compressor	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Dozer Cat D6R	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
Deere 210LE Skip Loader	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
Telehandler	4.3	4.3	4.3	4.3	0.0	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
Track Trencher	5.3	5.3	5.3	5.3	0.0	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
Cat 583T Pipelayer	6.6	6.6	6.6	6.6	0.0	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
SUBSTATION-BLDG-WATER T													
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Cat BG600D Paver	0.0	0.0	0.0	0.0	4.9	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**83.2**	**83.2**	**83.2**	**83.2**	**60.9**	**88.1**	**83.2**	**27.2**	**83.2**	**83.2**	**83.2**	**83.2**	**83.2**

Tabke 7-h
Monthly Construction Equipme

Equipment	PM2.5 Emissions (lb/month)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD										
Dozer Cat D6R	6.8	6.8	6.8	6.8	0.0	0.0	0.0	0.0	0.0	0.0
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	25.9	25.9	25.9	25.9	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
Cat 140H Grader	14.0	14.0	14.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	5.6	5.6	5.6	5.6	0.0	0.0	0.0	0.0	0.0	0.0
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
Generator	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0
Air Compressor	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0
Dozer Cat D6R	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0
Deere 210LE Skip Loader	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0
Telehandler	0.0	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	0.0
Track Trencher	0.0	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	0.0
Cat 583T Pipelayer	0.0	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	0.0
SUBSTATION-BLDG-WATER T										
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
Cat BG600D Paver	4.9	4.9	0.0	0.0	0.0	0.0	0.0	0.0	4.9	4.9
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	5.6
TOTAL (lb/month)	**60.9**	**88.1**	**83.2**	**83.2**	**27.2**	**27.2**	**27.2**	**27.2**	**37.7**	**10.5**

Table 7-i
Monthly Construction Equipment CO2 Emissions

Equipment	Emission Factor (lb/hr)	CO2 Emissions (lb/month)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
Generator	3.06E+01	4,038.5	4,038.5	4,038.5	0.0	4,038.5	4,038.5	4,038.5	0.0	4,038.5	4,038.5	4,038.5	0.0
Skip Loader	5.89E+01	5,179.9	5,179.9	5,179.9	0.0	5,179.9	5,179.9	5,179.9	0.0	5,179.9	5,179.9	5,179.9	0.0
Track Trencher	6.48E+01	11,411.3	11,411.3	11,411.3	0.0	11,411.3	11,411.3	11,411.3	0.0	11,411.3	11,411.3	11,411.3	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
Dozer Cat D6R	1.66E+02	0.0	0.0	0.0	29,212.9	29,212.9	29,212.9	29,212.9	29,212.9	29,212.9	29,212.9	29,212.9	29,212.9
Generator	3.06E+01	0.0	0.0	0.0	10,769.3	10,769.3	10,769.3	10,769.3	10,769.3	10,769.3	10,769.3	10,769.3	10,769.3
Scraper Cat 623	3.21E+02	0.0	0.0	0.0	113,051.2	113,051.2	113,051.2	113,051.2	113,051.2	113,051.2	113,051.2	113,051.2	113,051.2
Deere 210LE Skip Loader	5.89E+01	0.0	0.0	0.0	10,359.7	10,359.7	10,359.7	10,359.7	10,359.7	10,359.7	10,359.7	10,359.7	10,359.7
Cat 140H Grader	1.72E+02	0.0	0.0	0.0	60,520.3	60,520.3	60,520.3	60,520.3	60,520.3	60,520.3	60,520.3	60,520.3	60,520.3
Roller Vibrator/compactor/other	2.19E+02	0.0	0.0	0.0	28,869.0	28,869.0	28,869.0	28,869.0	28,869.0	28,869.0	28,869.0	28,869.0	28,869.0
Cat BG600D Paver	1.28E+02	0.0	0.0	0.0	0.0	16,906.5	16,906.5	16,906.5	16,906.5	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
Generator	3.06E+01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	1.44E+01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dozer Cat D6R	1.66E+02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	5.89E+01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Telehandler	3.12E+01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	6.48E+01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 583T Pipelayer	2.54E+02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
Generator	3.06E+01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	1.44E+01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	5.89E+01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	1.12E+02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Cat BG600D Paver	1.28E+02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	2.19E+02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**20,629.7**	**20,629.7**	**20,629.7**	**252,782.4**	**290,318.7**	**290,318.7**	**290,318.7**	**269,689.0**	**273,412.1**	**273,412.1**	**273,412.1**	**252,782.4**

Table 7-i
Monthly Construction Equipme

Equipment	CO2 Emissions (lb/month)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
Generator	4,038.5	4,038.5	4,038.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	5,179.9	5,179.9	5,179.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	11,411.3	11,411.3	11,411.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD													
Dozer Cat D6R	0.0	29,212.9	29,212.9	29,212.9	29,212.9	29,212.9	29,212.9	29,212.9	29,212.9	29,212.9	0.0	29,212.9	29,212.9
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	0.0	113,051.2	113,051.2	113,051.2	113,051.2	113,051.2	113,051.2	113,051.2	113,051.2	113,051.2	0.0	113,051.2	113,051.2
Deere 210LE Skip Loader	0.0	10,359.7	10,359.7	10,359.7	10,359.7	10,359.7	10,359.7	10,359.7	10,359.7	10,359.7	0.0	10,359.7	10,359.7
Cat 140H Grader	0.0	60,520.3	60,520.3	60,520.3	60,520.3	60,520.3	60,520.3	60,520.3	60,520.3	60,520.3	0.0	60,520.3	60,520.3
Roller Vibrator/compactor/other	0.0	28,869.0	28,869.0	28,869.0	28,869.0	28,869.0	28,869.0	28,869.0	28,869.0	28,869.0	0.0	28,869.0	28,869.0
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
Generator	10,769.3	10,769.3	10,769.3	10,769.3	10,769.3	10,769.3	10,769.3	10,769.3	0.0	10,769.3	10,769.3	10,769.3	10,769.3
Air Compressor	5,085.6	5,085.6	5,085.6	5,085.6	5,085.6	5,085.6	5,085.6	5,085.6	0.0	5,085.6	5,085.6	5,085.6	5,085.6
Dozer Cat D6R	14,606.4	14,606.4	14,606.4	14,606.4	14,606.4	14,606.4	14,606.4	14,606.4	0.0	14,606.4	14,606.4	14,606.4	14,606.4
Deere 210LE Skip Loader	10,359.7	10,359.7	10,359.7	10,359.7	10,359.7	10,359.7	10,359.7	10,359.7	0.0	10,359.7	10,359.7	10,359.7	10,359.7
Telehandler	10,980.2	10,980.2	10,980.2	10,980.2	10,980.2	10,980.2	10,980.2	10,980.2	0.0	10,980.2	10,980.2	10,980.2	10,980.2
Track Trencher	11,411.3	11,411.3	11,411.3	11,411.3	11,411.3	11,411.3	11,411.3	11,411.3	0.0	11,411.3	11,411.3	11,411.3	11,411.3
Cat 583T Pipelayer	33,532.8	33,532.8	33,532.8	33,532.8	33,532.8	33,532.8	33,532.8	33,532.8	0.0	33,532.8	33,532.8	33,532.8	33,532.8
SUBSTATION-BLDG-WATER T													
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	1,907.1	1,907.1	1,907.1	1,907.1	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	7,769.8	7,769.8	7,769.8	7,769.8	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	14,793.3	14,793.3	14,793.3	14,793.3	0.0	0.0	0.0
Testing & Commissioning													
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16,906.5	16,906.5	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28,869.0	28,869.0	0.0	0.0	0.0
TOTAL (lb/month)	**117,375.1**	**359,388.3**	**359,388.3**	**338,758.6**	**338,758.6**	**338,758.6**	**363,228.8**	**363,228.8**	**312,258.9**	**409,004.3**	**96,745.4**	**338,758.6**	**338,758.6**

Table 7-i
Monthly Construction Equipme

Equipment	CO2 Emissions (lb/month)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD													
Dozer Cat D6R	29,212.9	29,212.9	29,212.9	29,212.9	29,212.9	29,212.9	29,212.9	0.0	29,212.9	29,212.9	29,212.9	29,212.9	29,212.9
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	113,051.2	113,051.2	113,051.2	113,051.2	113,051.2	113,051.2	113,051.2	0.0	113,051.2	113,051.2	113,051.2	113,051.2	113,051.2
Deere 210LE Skip Loader	10,359.7	10,359.7	10,359.7	10,359.7	10,359.7	10,359.7	10,359.7	0.0	10,359.7	10,359.7	10,359.7	10,359.7	10,359.7
Cat 140H Grader	60,520.3	60,520.3	60,520.3	60,520.3	60,520.3	60,520.3	60,520.3	0.0	60,520.3	60,520.3	60,520.3	60,520.3	60,520.3
Roller Vibrator/compactor/other	28,869.0	28,869.0	28,869.0	28,869.0	28,869.0	28,869.0	28,869.0	0.0	28,869.0	28,869.0	28,869.0	28,869.0	28,869.0
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
Generator	10,769.3	10,769.3	10,769.3	10,769.3	0.0	10,769.3	10,769.3	10,769.3	10,769.3	10,769.3	10,769.3	10,769.3	10,769.3
Air Compressor	5,085.6	5,085.6	5,085.6	5,085.6	0.0	5,085.6	5,085.6	5,085.6	5,085.6	5,085.6	5,085.6	5,085.6	5,085.6
Dozer Cat D6R	14,606.4	14,606.4	14,606.4	14,606.4	0.0	14,606.4	14,606.4	14,606.4	14,606.4	14,606.4	14,606.4	14,606.4	14,606.4
Deere 210LE Skip Loader	10,359.7	10,359.7	10,359.7	10,359.7	0.0	10,359.7	10,359.7	10,359.7	10,359.7	10,359.7	10,359.7	10,359.7	10,359.7
Telehandler	10,980.2	10,980.2	10,980.2	10,980.2	0.0	10,980.2	10,980.2	10,980.2	10,980.2	10,980.2	10,980.2	10,980.2	10,980.2
Track Trencher	11,411.3	11,411.3	11,411.3	11,411.3	0.0	11,411.3	11,411.3	11,411.3	11,411.3	11,411.3	11,411.3	11,411.3	11,411.3
Cat 583T Pipelayer	33,532.8	33,532.8	33,532.8	33,532.8	0.0	33,532.8	33,532.8	33,532.8	33,532.8	33,532.8	33,532.8	33,532.8	33,532.8
SUBSTATION-BLDG-WATER T													
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Cat BG600D Paver	0.0	0.0	0.0	0.0	16,906.5	16,906.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**338,758.6**	**338,758.6**	**338,758.6**	**338,758.6**	**258,919.7**	**355,665.1**	**338,758.6**	**96,745.4**	**338,758.6**	**338,758.6**	**338,758.6**	**338,758.6**	**338,758.6**

Table 7-i
Monthly Construction Equipme

Equipment	CO2 Emissions (lb/month)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD										
Dozer Cat D6R	29,212.9	29,212.9	29,212.9	29,212.9	0.0	0.0	0.0	0.0	0.0	0.0
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	113,051.2	113,051.2	113,051.2	113,051.2	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	10,359.7	10,359.7	10,359.7	10,359.7	0.0	0.0	0.0	0.0	0.0	0.0
Cat 140H Grader	60,520.3	60,520.3	60,520.3	60,520.3	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	28,869.0	28,869.0	28,869.0	28,869.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
Generator	0.0	10,769.3	10,769.3	10,769.3	10,769.3	10,769.3	10,769.3	10,769.3	10,769.3	0.0
Air Compressor	0.0	5,085.6	5,085.6	5,085.6	5,085.6	5,085.6	5,085.6	5,085.6	5,085.6	0.0
Dozer Cat D6R	0.0	14,606.4	14,606.4	14,606.4	14,606.4	14,606.4	14,606.4	14,606.4	14,606.4	0.0
Deere 210LE Skip Loader	0.0	10,359.7	10,359.7	10,359.7	10,359.7	10,359.7	10,359.7	10,359.7	10,359.7	0.0
Telehandler	0.0	10,980.2	10,980.2	10,980.2	10,980.2	10,980.2	10,980.2	10,980.2	10,980.2	0.0
Track Trencher	0.0	11,411.3	11,411.3	11,411.3	11,411.3	11,411.3	11,411.3	11,411.3	11,411.3	0.0
Cat 583T Pipelayer	0.0	33,532.8	33,532.8	33,532.8	33,532.8	33,532.8	33,532.8	33,532.8	33,532.8	0.0
SUBSTATION-BLDG-WATER T										
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
Cat BG600D Paver	16,906.5	16,906.5	0.0	0.0	0.0	0.0	0.0	0.0	16,906.5	16,906.5
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28,869.0	28,869.0
TOTAL (lb/month)	**258,919.7**	**355,665.1**	**338,758.6**	**338,758.6**	**96,745.4**	**96,745.4**	**96,745.4**	**96,745.4**	**142,521.0**	**45,775.5**

Tabke 7-j
Monthly Construction Equipment CH4 Emissions

Equipment	Emission Factor (lb/hr)	CH4 Emissions (lb/month)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
Generator	1.14E-03	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0
Skip Loader	3.71E-03	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0
Track Trencher	4.56E-03	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
Dozer Cat D6R	1.29E-02	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Generator	1.14E-03	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Scraper Cat 623	2.45E-02	0.0	0.0	0.0	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
Deere 210LE Skip Loader	3.71E-03	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Cat 140H Grader	1.33E-02	0.0	0.0	0.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
Roller Vibrator/compactor/other	1.17E-02	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Cat BG600D Paver	7.53E-03	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
Generator	1.14E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	1.57E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dozer Cat D6R	1.29E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	3.71E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Telehandler	2.38E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	4.56E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 583T Pipelayer	1.40E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
Generator	1.14E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	1.57E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	3.71E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	8.73E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Cat BG600D Paver	7.53E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	1.17E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**1.3**	**1.3**	**1.3**	**18.2**	**20.5**	**20.5**	**20.5**	**19.2**	**19.5**	**19.5**	**19.5**	**18.2**

Tabke 7-j
Monthly Construction Equipme

Equipment	CH4 Emissions (lb/month)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
Generator	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD													
Dozer Cat D6R	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	0.0	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	0.0	8.6	8.6
Deere 210LE Skip Loader	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7
Cat 140H Grader	0.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	0.0	4.7	4.7
Roller Vibrator/compactor/other	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	1.5	1.5
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
Generator	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4
Air Compressor	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6
Dozer Cat D6R	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1	1.1	1.1
Deere 210LE Skip Loader	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7
Telehandler	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
Track Trencher	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
Cat 583T Pipelayer	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8
SUBSTATION-BLDG-WATER T													
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	0.0	0.0	0.0
Testing & Commissioning													
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	0.0	0.0	0.0
TOTAL (lb/month)	**7.5**	**25.3**	**25.3**	**24.0**	**24.0**	**24.0**	**25.9**	**25.9**	**22.2**	**28.4**	**6.2**	**24.0**	**24.0**

Tabke 7-j
Monthly Construction Equipme

Equipment	CH4 Emissions (lb/month)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD													
Dozer Cat D6R	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	8.6	8.6	8.6	8.6	8.6	8.6	8.6	0.0	8.6	8.6	8.6	8.6	8.6
Deere 210LE Skip Loader	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7
Cat 140H Grader	4.7	4.7	4.7	4.7	4.7	4.7	4.7	0.0	4.7	4.7	4.7	4.7	4.7
Roller Vibrator/compactor/other	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5	1.5
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
Generator	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Air Compressor	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Dozer Cat D6R	1.1	1.1	1.1	1.1	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Deere 210LE Skip Loader	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Telehandler	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Track Trencher	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Cat 583T Pipelayer	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
SUBSTATION-BLDG-WATER T													
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Cat BG600D Paver	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**24.0**	**24.0**	**24.0**	**24.0**	**18.8**	**25.0**	**24.0**	**6.2**	**24.0**	**24.0**	**24.0**	**24.0**	**24.0**

Tabke 7-j
Monthly Construction Equipme

Equipment	CH4 Emissions (lb/month)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD										
Dozer Cat D6R	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	8.6	8.6	8.6	8.6	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
Cat 140H Grader	4.7	4.7	4.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
Generator	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0
Air Compressor	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0
Dozer Cat D6R	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0
Deere 210LE Skip Loader	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0
Telehandler	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0
Track Trencher	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0
Cat 583T Pipelayer	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0
SUBSTATION-BLDG-WATER T										
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
Cat BG600D Paver	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
TOTAL (lb/month)	**18.8**	**25.0**	**24.0**	**24.0**	**6.2**	**6.2**	**6.2**	**6.2**	**8.8**	**2.5**

Table 7-k
Monthly Construction Equipment N2O Emissions

Equipment	Emission Factor (lb/hr)	N2O Emissions (lb/month)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
Generator	7.98E-04	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0
Skip Loader	1.54E-03	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0
Track Trencher	1.70E-03	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
Dozer Cat D6R	4.31E-03	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Generator	7.98E-04	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Scraper Cat 623	8.34E-03	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Deere 210LE Skip Loader	1.54E-03	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Cat 140H Grader	4.47E-03	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Roller Vibrator/compactor/other	5.67E-03	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Cat BG600D Paver	3.34E-03	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
Generator	7.98E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	3.76E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dozer Cat D6R	4.31E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	1.54E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Telehandler	8.17E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	1.70E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 583T Pipelayer	6.59E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
Generator	7.98E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	3.76E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	1.54E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	2.91E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Cat BG600D Paver	3.34E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	5.67E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**0.5**	**0.5**	**0.5**	**6.6**	**7.6**	**7.6**	**7.6**	**7.0**	**7.1**	**7.1**	**7.1**	**6.6**

Table 7-k
Monthly Construction Equipme

Equipment	N2O Emissions (lb/month)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
Generator	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD													
Dozer Cat D6R	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	2.9	2.9
Deere 210LE Skip Loader	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3
Cat 140H Grader	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6
Roller Vibrator/compactor/other	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
Generator	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3
Air Compressor	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Dozer Cat D6R	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4
Deere 210LE Skip Loader	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3
Telehandler	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3
Track Trencher	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3
Cat 583T Pipelayer	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9
SUBSTATION-BLDG-WATER T													
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.0	0.0	0.0
Testing & Commissioning													
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0
TOTAL (lb/month)	**3.1**	**9.3**	**9.3**	**8.8**	**8.8**	**8.8**	**9.4**	**9.4**	**8.1**	**10.6**	**2.5**	**8.8**	**8.8**

Table 7-k
Monthly Construction Equipme

Equipment	N2O Emissions (lb/month)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD													
Dozer Cat D6R	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8	0.8
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	2.9	2.9	2.9	2.9	2.9
Deere 210LE Skip Loader	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3
Cat 140H Grader	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6	1.6
Roller Vibrator/compactor/other	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
Generator	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Air Compressor	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Dozer Cat D6R	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Deere 210LE Skip Loader	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Telehandler	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Track Trencher	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Cat 583T Pipelayer	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
SUBSTATION-BLDG-WATER T													
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**8.8**	**8.8**	**8.8**	**8.8**	**6.7**	**9.3**	**8.8**	**2.5**	**8.8**	**8.8**	**8.8**	**8.8**	**8.8**

Table 7-k
Monthly Construction Equipme

Equipment	N2O Emissions (lb/month)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD										
Dozer Cat D6R	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Cat 140H Grader	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
Generator	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
Air Compressor	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Dozer Cat D6R	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0
Deere 210LE Skip Loader	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
Telehandler	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
Track Trencher	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
Cat 583T Pipelayer	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0
SUBSTATION-BLDG-WATER T										
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
Cat BG600D Paver	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
TOTAL (lb/month)	**6.7**	**9.3**	**8.8**	**8.8**	**2.5**	**2.5**	**2.5**	**2.5**	**3.7**	**1.2**

Table 8-a
On-Site Motor Vehicle Numbers

Vehicle Type	Miles/ Day	Number Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
On-Site Pick Up Truck	25	3	3	3	0	3	3	3	0	3	3	3	0
On-Site Flatbed Delivery Truck	25	2	2	2	0	2	2	2	0	2	2	2	0
5000 gal Water Truck	20	1	1	1	0	1	1	1	0	1	1	1	0
On-Site Service Truck	25	1	1	1	0	1	1	1	0	1	1	1	0
On-Site Lube/Fuel Trucks	25	8	8	8	0	8	8	8	0	8	8	8	0
On-Site Dump Truck	20	1	1	1	0	1	1	1	0	1	1	1	0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
5000 gal Water Truck	20	0	0	0	3	3	3	3	3	3	3	3	3
On-Site Heavy Duty Pick Up Truck	20	0	0	0	2	2	2	2	2	2	2	2	2
On-Site Flatbed Delivery Truck	20	0	0	0	1	1	1	1	1	1	1	1	1
On-Site Lube/Fuel Trucks	25	0	0	0	6	0	0	0	6	6	6	6	6
On-Site Service Truck	25	0	0	0	6	0	0	0	0	0	0	0	0
On-Site Dump Truck	20	0	0	0	10	10	10	10	10	4	4	4	4
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	25	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Heavy Duty Pick Up Truck	20	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	25	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Service Truck	25	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	20	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Lube/Fuel Trucks	25	0	0	0	0	0	0	0	0	0	0	0	0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
On-Site Heavy Duty Pick Up Truck	20	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	20	0	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	20	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Service Truck	25	0	0	0	0	0	0	0	0	0	0	0	0

Table 8-a
On-Site Motor Vehicle Numbers

Vehicle Type	Number												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
On-Site Pick Up Truck	3	3	3	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	2	2	2	0	0	0	0	0	0	0	0	0	0
5000 gal Water Truck	1	1	1	0	0	0	0	0	0	0	0	0	0
On-Site Service Truck	1	1	1	0	0	0	0	0	0	0	0	0	0
On-Site Lube/Fuel Trucks	8	8	8	0	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	1	1	1	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0	3	3	3	3	3	3	3	3	3	0	3	3
On-Site Heavy Duty Pick Up Truck	0	2	2	2	2	2	2	2	2	2	0	2	2
On-Site Flatbed Delivery Truck	0	1	1	1	1	1	1	1	1	1	0	1	1
On-Site Lube/Fuel Trucks	0	0	0	6	6	6	6	6	6	6	0	6	6
On-Site Service Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	0	4	4	4	4	4	4	4	4	4	0	4	4
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	3	3	3	3	3	3	3	3	0	3	3	3	3
On-Site Heavy Duty Pick Up Truck	1	1	1	1	1	1	1	1	0	1	1	1	1
On-Site Flatbed Delivery Truck	2	2	2	2	2	2	2	2	0	2	2	2	2
On-Site Service Truck	2	2	2	2	2	2	2	2	0	2	2	2	2
On-Site Dump Truck	1	1	1	1	1	1	1	1	0	1	1	1	1
On-Site Lube/Fuel Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0	0	0	0	0	0	1	1	1	1	0	0	0
On-Site Flatbed Delivery Truck	0	0	0	0	0	0	1	1	1	1	0	0	0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0	0	0	0	0	0	0	1	1	1	0	0	0
On-Site Service Truck	0	0	0	0	0	0	0	2	2	2	0	0	0

Table 8-a
On-Site Motor Vehicle Numbers

Vehicle Type	Number												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
5000 gal Water Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Service Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Lube/Fuel Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	3	3	3	3	3	3	3	0	3	3	3	3	3
On-Site Heavy Duty Pick Up Truck	2	2	2	2	2	2	2	0	2	2	2	2	2
On-Site Flatbed Delivery Truck	1	1	1	1	1	1	1	0	1	1	1	1	1
On-Site Lube/Fuel Trucks	6	6	6	6	6	6	6	0	6	6	6	6	6
On-Site Service Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	4	4	4	4	4	4	4	0	5	5	5	5	5
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	3	3	3	3	0	3	3	3	3	3	3	3	3
On-Site Heavy Duty Pick Up Truck	1	1	1	1	0	1	1	1	1	1	1	1	1
On-Site Flatbed Delivery Truck	2	2	2	2	0	2	2	2	2	2	2	2	2
On-Site Service Truck	2	2	2	2	0	2	2	2	2	2	2	2	2
On-Site Dump Truck	1	1	1	1	0	1	1	1	1	1	1	1	1
On-Site Lube/Fuel Trucks	0	0	0	0	0	0	0	0	0	0	0	8	8
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0	0	0	1	1	1	0	0	0	0	0	0	1
On-Site Service Truck	0	0	0	2	2	2	0	0	0	0	0	0	2

Table 8-a
On-Site Motor Vehicle Numbers

Vehicle Type	Number									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
On-Site Pick Up Truck	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	0	0	0	0	0	0	0	0	0	0
5000 gal Water Truck	0	0	0	0	0	0	0	0	0	0
On-Site Service Truck	0	0	0	0	0	0	0	0	0	0
On-Site Lube/Fuel Trucks	0	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING										
5000 gal Water Truck	3	3	3	3	0	0	0	0	0	0
On-Site Heavy Duty Pick Up Truck	2	2	2	2	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	1	1	1	1	0	0	0	0	0	0
On-Site Lube/Fuel Trucks	6	6	6	6	0	0	0	0	0	0
On-Site Service Truck	0	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	5	5	5	5	0	0	0	0	0	0
PV PANEL CONSTRUCTION										
On-Site Pick Up Truck	0	3	3	3	3	3	3	3	3	0
On-Site Heavy Duty Pick Up Truck	0	1	1	1	1	1	1	1	1	0
On-Site Flatbed Delivery Truck	0	2	2	2	2	2	2	2	2	0
On-Site Service Truck	0	2	2	2	2	2	2	2	2	0
On-Site Dump Truck	0	1	1	1	1	1	1	1	1	0
On-Site Lube/Fuel Trucks	0	8	8	8	8	8	8	8	8	0
SUBSTATION-BLDG-WATER TANK										
On-Site Heavy Duty Pick Up Truck	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning										
On-Site Heavy Duty Pick Up Truck	1	1	0	0	0	0	0	1	1	1
On-Site Service Truck	2	2	0	0	0	0	0	2	2	2

Table 8-b
Monthly On-Site Motor Vehicle Use

Vehicle Type	Miles/Month[a]												
	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
FENCE - MOBILIZATION													
On-Site Pick Up Truck	1,650	1,650	1,650	0	1,650	1,650	1,650	0	1,650	1,650	1,650	0	1,650
On-Site Flatbed Delivery Truck	1,100	1,100	1,100	0	1,100	1,100	1,100	0	1,100	1,100	1,100	0	1,100
5000 gal Water Truck	440	440	440	0	440	440	440	0	440	440	440	0	440
On-Site Service Truck	550	550	550	0	550	550	550	0	550	550	550	0	550
On-Site Lube/Fuel Trucks	4,400	4,400	4,400	0	4,400	4,400	4,400	0	4,400	4,400	4,400	0	4,400
On-Site Dump Truck	440	440	440	0	440	440	440	0	440	440	440	0	440
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
5000 gal Water Truck	0	0	0	1,320	1,320	1,320	1,320	1,320	1,320	1,320	1,320	1,320	0
On-Site Heavy Duty Pick Up Truck	0	0	0	880	880	880	880	880	880	880	880	880	0
On-Site Flatbed Delivery Truck	0	0	0	440	440	440	440	440	440	440	440	440	0
On-Site Lube/Fuel Trucks	0	0	0	3,300	0	0	0	3,300	3,300	3,300	3,300	3,300	0
On-Site Service Truck	0	0	0	3,300	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	0	0	0	4,400	4,400	4,400	4,400	4,400	1,760	1,760	1,760	1,760	0
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	0	0	0	0	0	0	0	0	0	0	0	0	1,650
On-Site Heavy Duty Pick Up Truck	0	0	0	0	0	0	0	0	0	0	0	0	440
On-Site Flatbed Delivery Truck	0	0	0	0	0	0	0	0	0	0	0	0	1,100
On-Site Service Truck	0	0	0	0	0	0	0	0	0	0	0	0	1,100
On-Site Dump Truck	0	0	0	0	0	0	0	0	0	0	0	0	440
On-Site Lube/Fuel Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
On-Site Heavy Duty Pick Up Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Service Truck	0	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on 22 working days/month

Table 8-b
Monthly On-Site Motor Vehicle Use

Vehicle Type	Miles/Month[a]												
	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26
FENCE - MOBILIZATION													
On-Site Pick Up Truck	1,650	1,650	0	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	1,100	1,100	0	0	0	0	0	0	0	0	0	0	0
5000 gal Water Truck	440	440	0	0	0	0	0	0	0	0	0	0	0
On-Site Service Truck	550	550	0	0	0	0	0	0	0	0	0	0	0
On-Site Lube/Fuel Trucks	4,400	4,400	0	0	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	440	440	0	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	1,320	1,320	1,320	1,320	1,320	1,320	1,320	1,320	1,320	0	1,320	1,320	1,320
On-Site Heavy Duty Pick Up Truck	880	880	880	880	880	880	880	880	880	0	880	880	880
On-Site Flatbed Delivery Truck	440	440	440	440	440	440	440	440	440	0	440	440	440
On-Site Lube/Fuel Trucks	0	0	3,300	3,300	3,300	3,300	3,300	3,300	3,300	0	3,300	3,300	3,300
On-Site Service Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	1,760	1,760	1,760	1,760	1,760	1,760	1,760	1,760	1,760	0	1,760	1,760	1,760
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	1,650	1,650	1,650	1,650	1,650	1,650	1,650	0	1,650	1,650	1,650	1,650	1,650
On-Site Heavy Duty Pick Up Truck	440	440	440	440	440	440	440	0	440	440	440	440	440
On-Site Flatbed Delivery Truck	1,100	1,100	1,100	1,100	1,100	1,100	1,100	0	1,100	1,100	1,100	1,100	1,100
On-Site Service Truck	1,100	1,100	1,100	1,100	1,100	1,100	1,100	0	1,100	1,100	1,100	1,100	1,100
On-Site Dump Truck	440	440	440	440	440	440	440	0	440	440	440	440	440
On-Site Lube/Fuel Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0	0	0	0	0	440	440	440	440	0	0	0	0
On-Site Flatbed Delivery Truck	0	0	0	0	0	440	440	440	440	0	0	0	0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0	0	0	0	0	0	440	440	440	0	0	0	0
On-Site Service Truck	0	0	0	0	0	0	1,100	1,100	1,100	0	0	0	0

[a] Based on 22 working days/month

Table 8-b
Monthly On-Site Motor Vehicle Use

Vehicle Type	Miles/Month[a]												
	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
5000 gal Water Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Service Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Lube/Fuel Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	1,320	1,320	1,320	1,320	1,320	1,320	0	1,320	1,320	1,320	1,320	1,320	1,320
On-Site Heavy Duty Pick Up Truck	880	880	880	880	880	880	0	880	880	880	880	880	880
On-Site Flatbed Delivery Truck	440	440	440	440	440	440	0	440	440	440	440	440	440
On-Site Lube/Fuel Trucks	3,300	3,300	3,300	3,300	3,300	3,300	0	3,300	3,300	3,300	3,300	3,300	3,300
On-Site Service Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	1,760	1,760	1,760	1,760	1,760	1,760	0	2,200	2,200	2,200	2,200	2,200	2,200
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	1,650	1,650	1,650	0	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	0
On-Site Heavy Duty Pick Up Truck	440	440	440	0	440	440	440	440	440	440	440	440	0
On-Site Flatbed Delivery Truck	1,100	1,100	1,100	0	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	0
On-Site Service Truck	1,100	1,100	1,100	0	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	0
On-Site Dump Truck	440	440	440	0	440	440	440	440	440	440	440	440	0
On-Site Lube/Fuel Trucks	0	0	0	0	0	0	0	0	0	0	4,400	4,400	0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0	0	440	440	440	0	0	0	0	0	0	440	440
On-Site Service Truck	0	0	1,100	1,100	1,100	0	0	0	0	0	0	1,100	1,100

[a] Based on 22 working days/month

Table 8-b
Monthly On-Site Motor Vehicle Use

Vehicle Type	Miles/Month[a]								
	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION									
On-Site Pick Up Truck	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	0	0	0	0	0	0	0	0	0
5000 gal Water Truck	0	0	0	0	0	0	0	0	0
On-Site Service Truck	0	0	0	0	0	0	0	0	0
On-Site Lube/Fuel Trucks	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING									
5000 gal Water Truck	1,320	1,320	1,320	0	0	0	0	0	0
On-Site Heavy Duty Pick Up Truck	880	880	880	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	440	440	440	0	0	0	0	0	0
On-Site Lube/Fuel Trucks	3,300	3,300	3,300	0	0	0	0	0	0
On-Site Service Truck	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	2,200	2,200	2,200	0	0	0	0	0	0
PV PANEL CONSTRUCTION									
On-Site Pick Up Truck	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	0
On-Site Heavy Duty Pick Up Truck	440	440	440	440	440	440	440	440	0
On-Site Flatbed Delivery Truck	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	0
On-Site Service Truck	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	0
On-Site Dump Truck	440	440	440	440	440	440	440	440	0
On-Site Lube/Fuel Trucks	4,400	4,400	4,400	4,400	4,400	4,400	4,400	4,400	0
SUBSTATION-BLDG-WATER TANK									
On-Site Heavy Duty Pick Up Truck	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	0	0	0	0	0	0	0	0	0
Testing & Commissioning									
On-Site Heavy Duty Pick Up Truck	440	0	0	0	0	0	440	440	440
On-Site Service Truck	1,100	0	0	0	0	0	1,100	1,100	1,100

[a] Based on 22 working days/month

Table 8-c
Monthly On-Site Motor Vehicle CO Emissions

Vehicle Type	Emission Factor (lb/mi)	CO Emissions (lb/month)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
On-Site Pick Up Truck	1.85E-03	3.1	3.1	3.1	0.0	3.1	3.1	3.1	0.0	3.1	3.1	3.1	0.0
On-Site Flatbed Delivery Truck	1.40E-03	1.5	1.5	1.5	0.0	1.5	1.5	1.5	0.0	1.5	1.5	1.5	0.0
5000 gal Water Truck	3.25E-03	1.4	1.4	1.4	0.0	1.4	1.4	1.4	0.0	1.4	1.4	1.4	0.0
On-Site Service Truck	1.85E-03	1.0	1.0	1.0	0.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	0.0
On-Site Lube/Fuel Trucks	1.85E-03	8.1	8.1	8.1	0.0	8.1	8.1	8.1	0.0	8.1	8.1	8.1	0.0
On-Site Dump Truck	1.40E-03	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
5000 gal Water Truck	3.25E-03	0.0	0.0	0.0	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
On-Site Heavy Duty Pick Up Truck	1.85E-03	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
On-Site Flatbed Delivery Truck	1.40E-03	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
On-Site Lube/Fuel Trucks	1.85E-03	0.0	0.0	0.0	6.1	0.0	0.0	0.0	6.1	6.1	6.1	6.1	6.1
On-Site Service Truck	1.85E-03	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	1.40E-03	0.0	0.0	0.0	6.2	6.2	6.2	6.2	6.2	2.5	2.5	2.5	2.5
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	1.85E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	1.85E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	1.40E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	1.85E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	1.40E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	1.85E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
On-Site Heavy Duty Pick Up Truck	1.85E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	1.40E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	1.85E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	1.85E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**15.8**	**15.8**	**15.8**	**24.9**	**28.5**	**28.5**	**28.5**	**18.8**	**30.9**	**30.9**	**30.9**	**15.1**

Table 8-c
Monthly On-Site Motor Vehicle CO

Vehicle Type	CO Emissions (lb/month)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
On-Site Pick Up Truck	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	8.1	8.1	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.0	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	0.0	4.3	4.3
On-Site Heavy Duty Pick Up Truck	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6
On-Site Flatbed Delivery Truck	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	0.0	6.1	6.1
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1
On-Site Heavy Duty Pick Up Truck	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
On-Site Flatbed Delivery Truck	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5
On-Site Service Truck	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
On-Site Dump Truck	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	0.0	0.0	0.0
TOTAL (lb/month)	**23.8**	**32.8**	**32.8**	**23.1**	**23.1**	**23.1**	**24.6**	**27.4**	**19.4**	**27.4**	**8.1**	**23.1**	**23.1**

Table 8-c
Monthly On-Site Motor Vehicle CO

Vehicle Type	CO Emissions (lb/month)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	4.3	4.3	4.3	4.3	4.3	4.3	4.3	0.0	4.3	4.3	4.3	4.3	4.3
On-Site Heavy Duty Pick Up Truck	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6	1.6
On-Site Flatbed Delivery Truck	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6
On-Site Lube/Fuel Trucks	6.1	6.1	6.1	6.1	6.1	6.1	6.1	0.0	6.1	6.1	6.1	6.1	6.1
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	3.1	3.1	3.1	3.1	3.1
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
On-Site Heavy Duty Pick Up Truck	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
On-Site Flatbed Delivery Truck	1.5	1.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
On-Site Service Truck	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
On-Site Dump Truck	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	8.1
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8
On-Site Service Truck	0.0	0.0	0.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
TOTAL (lb/month)	**23.1**	**23.1**	**23.1**	**26.0**	**17.9**	**26.0**	**23.1**	**8.1**	**23.8**	**23.8**	**23.8**	**31.9**	**34.7**

Table 8-c
Monthly On-Site Motor Vehicle CO

Vehicle Type	CO Emissions (lb/month)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING										
5000 gal Water Truck	4.3	4.3	4.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	6.1	6.1	6.1	6.1	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
On-Site Pick Up Truck	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0
On-Site Flatbed Delivery Truck	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0
On-Site Service Truck	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0
On-Site Dump Truck	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0
On-Site Lube/Fuel Trucks	0.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	0.0
SUBSTATION-BLDG-WATER TANK										
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
On-Site Heavy Duty Pick Up Truck	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
On-Site Service Truck	2.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
TOTAL (lb/month)	**18.6**	**34.7**	**31.9**	**31.9**	**16.2**	**16.2**	**16.2**	**19.0**	**19.0**	**2.8**

Table 8-d
Monthly On-Site Motor Vehicle ROG Emissions

Vehicle Type	Emission Factor (lb/mi)	ROG Emissions (lb/month)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
On-Site Pick Up Truck	4.13E-04	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.0
On-Site Flatbed Delivery Truck	3.72E-04	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.0
5000 gal Water Truck	7.11E-04	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0
On-Site Service Truck	4.13E-04	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0
On-Site Lube/Fuel Trucks	4.13E-04	1.8	1.8	1.8	0.0	1.8	1.8	1.8	0.0	1.8	1.8	1.8	0.0
On-Site Dump Truck	3.72E-04	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
5000 gal Water Truck	7.11E-04	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
On-Site Heavy Duty Pick Up Truck	4.13E-04	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
On-Site Flatbed Delivery Truck	3.72E-04	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
On-Site Lube/Fuel Trucks	4.13E-04	0.0	0.0	0.0	1.4	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
On-Site Service Truck	4.13E-04	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	3.72E-04	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	0.7	0.7	0.7	0.7
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	4.13E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	4.13E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	3.72E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	4.13E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	3.72E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	4.13E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
On-Site Heavy Duty Pick Up Truck	4.13E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	3.72E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	4.13E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	4.13E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**3.6**	**3.6**	**3.6**	**5.8**	**6.7**	**6.7**	**6.7**	**4.5**	**7.1**	**7.1**	**7.1**	**3.5**

Table 8-d
Monthly On-Site Motor Vehicle ROC

Vehicle Type	ROG Emissions (lb/month)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9
On-Site Heavy Duty Pick Up Truck	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4
On-Site Flatbed Delivery Truck	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7
On-Site Heavy Duty Pick Up Truck	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2
On-Site Flatbed Delivery Truck	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4
On-Site Service Truck	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.5
On-Site Dump Truck	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.0	0.0	0.0
TOTAL (lb/month)	**5.5**	**7.6**	**7.6**	**5.4**	**5.4**	**5.4**	**5.7**	**6.4**	**4.5**	**6.4**	**1.9**	**5.4**	**5.4**

Table 8-d
Monthly On-Site Motor Vehicle ROC

Vehicle Type	ROG Emissions (lb/month)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9	0.9
On-Site Heavy Duty Pick Up Truck	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4
On-Site Flatbed Delivery Truck	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2
On-Site Lube/Fuel Trucks	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.4
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.8	0.8	0.8	0.8	0.8
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
On-Site Heavy Duty Pick Up Truck	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
On-Site Flatbed Delivery Truck	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
On-Site Service Truck	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
On-Site Dump Truck	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
On-Site Service Truck	0.0	0.0	0.0	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
TOTAL (lb/month)	**5.4**	**5.4**	**5.4**	**6.0**	**4.1**	**6.0**	**5.4**	**1.9**	**5.5**	**5.5**	**5.5**	**7.4**	**8.0**

Table 8-d
Monthly On-Site Motor Vehicle ROC

Vehicle Type	ROG Emissions (lb/month)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING										
5000 gal Water Truck	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
On-Site Pick Up Truck	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
On-Site Flatbed Delivery Truck	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0
On-Site Service Truck	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0
On-Site Dump Truck	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
On-Site Lube/Fuel Trucks	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0
SUBSTATION-BLDG-WATER TANK										
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
On-Site Heavy Duty Pick Up Truck	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
On-Site Service Truck	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
TOTAL (lb/month)	**4.3**	**8.0**	**7.4**	**7.4**	**3.7**	**3.7**	**3.7**	**4.3**	**4.3**	**0.6**

Table 8-e
Monthly On-Site Motor Vehicle NOx Emissions

Vehicle Type	Emission Factor (lb/mi)	NOx Emissions (lb/month)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
On-Site Pick Up Truck	9.80E-03	16.2	16.2	16.2	0.0	16.2	16.2	16.2	0.0	16.2	16.2	16.2	0.0
On-Site Flatbed Delivery Truck	1.61E-02	17.7	17.7	17.7	0.0	17.7	17.7	17.7	0.0	17.7	17.7	17.7	0.0
5000 gal Water Truck	2.48E-02	10.9	10.9	10.9	0.0	10.9	10.9	10.9	0.0	10.9	10.9	10.9	0.0
On-Site Service Truck	9.80E-03	5.4	5.4	5.4	0.0	5.4	5.4	5.4	0.0	5.4	5.4	5.4	0.0
On-Site Lube/Fuel Trucks	9.80E-03	43.1	43.1	43.1	0.0	43.1	43.1	43.1	0.0	43.1	43.1	43.1	0.0
On-Site Dump Truck	1.61E-02	7.1	7.1	7.1	0.0	7.1	7.1	7.1	0.0	7.1	7.1	7.1	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
5000 gal Water Truck	2.48E-02	0.0	0.0	0.0	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
On-Site Heavy Duty Pick Up Truck	9.80E-03	0.0	0.0	0.0	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
On-Site Flatbed Delivery Truck	1.61E-02	0.0	0.0	0.0	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
On-Site Lube/Fuel Trucks	9.80E-03	0.0	0.0	0.0	32.3	0.0	0.0	0.0	32.3	32.3	32.3	32.3	32.3
On-Site Service Truck	9.80E-03	0.0	0.0	0.0	32.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	1.61E-02	0.0	0.0	0.0	71.0	71.0	71.0	71.0	71.0	28.4	28.4	28.4	28.4
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	9.80E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	9.80E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	1.61E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	9.80E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	1.61E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	9.80E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
On-Site Heavy Duty Pick Up Truck	9.80E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	1.61E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	9.80E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	9.80E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**100.4**	**100.4**	**100.4**	**184.1**	**219.8**	**219.8**	**219.8**	**151.8**	**209.6**	**209.6**	**209.6**	**109.2**

Table 8-e
Monthly On-Site Motor Vehicle NOx

Vehicle Type	NOx Emissions (lb/month)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
On-Site Pick Up Truck	16.2	16.2	16.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	17.7	17.7	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	10.9	10.9	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	5.4	5.4	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	43.1	43.1	43.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	7.1	7.1	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.0	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	0.0	32.7	32.7
On-Site Heavy Duty Pick Up Truck	0.0	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	0.0	8.6	8.6
On-Site Flatbed Delivery Truck	0.0	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	0.0	7.1	7.1
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	32.3	32.3	32.3	32.3	32.3	32.3	32.3	0.0	32.3	32.3
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	0.0	28.4	28.4
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	0.0	16.2	16.2	16.2	16.2
On-Site Heavy Duty Pick Up Truck	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	0.0	4.3	4.3	4.3	4.3
On-Site Flatbed Delivery Truck	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	0.0	17.7	17.7	17.7	17.7
On-Site Service Truck	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	0.0	10.8	10.8	10.8	10.8
On-Site Dump Truck	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	0.0	7.1	7.1	7.1	7.1
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	4.3	4.3	4.3	4.3	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	7.1	7.1	7.1	7.1	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	4.3	4.3	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	10.8	10.8	0.0	0.0	0.0
TOTAL (lb/month)	**156.5**	**233.4**	**233.4**	**165.3**	**165.3**	**165.3**	**176.7**	**191.8**	**135.7**	**191.8**	**56.1**	**165.3**	**165.3**

Table 8-e
Monthly On-Site Motor Vehicle NOx

Vehicle Type	NOx Emissions (lb/month)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	32.7	32.7	32.7	32.7	32.7	32.7	32.7	0.0	32.7	32.7	32.7	32.7	32.7
On-Site Heavy Duty Pick Up Truck	8.6	8.6	8.6	8.6	8.6	8.6	8.6	0.0	8.6	8.6	8.6	8.6	8.6
On-Site Flatbed Delivery Truck	7.1	7.1	7.1	7.1	7.1	7.1	7.1	0.0	7.1	7.1	7.1	7.1	7.1
On-Site Lube/Fuel Trucks	32.3	32.3	32.3	32.3	32.3	32.3	32.3	0.0	32.3	32.3	32.3	32.3	32.3
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	28.4	28.4	28.4	28.4	28.4	28.4	28.4	0.0	35.5	35.5	35.5	35.5	35.5
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	16.2	16.2	16.2	16.2	0.0	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
On-Site Heavy Duty Pick Up Truck	4.3	4.3	4.3	4.3	0.0	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
On-Site Flatbed Delivery Truck	17.7	17.7	17.7	17.7	0.0	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7
On-Site Service Truck	10.8	10.8	10.8	10.8	0.0	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
On-Site Dump Truck	7.1	7.1	7.1	7.1	0.0	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.1	43.1
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	4.3	4.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0	4.3
On-Site Service Truck	0.0	0.0	0.0	10.8	10.8	10.8	0.0	0.0	0.0	0.0	0.0	0.0	10.8
TOTAL (lb/month)	**165.3**	**165.3**	**165.3**	**180.4**	**124.3**	**180.4**	**165.3**	**56.1**	**172.4**	**172.4**	**172.4**	**215.5**	**230.6**

Table 8-e
Monthly On-Site Motor Vehicle NOx

Vehicle Type	NOx Emissions (lb/month)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING										
5000 gal Water Truck	32.7	32.7	32.7	32.7	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	8.6	8.6	8.6	8.6	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	7.1	7.1	7.1	7.1	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	32.3	32.3	32.3	32.3	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	35.5	35.5	35.5	35.5	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
On-Site Pick Up Truck	0.0	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	0.0
On-Site Heavy Duty Pick Up Truck	0.0	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	0.0
On-Site Flatbed Delivery Truck	0.0	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	0.0
On-Site Service Truck	0.0	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	0.0
On-Site Dump Truck	0.0	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	0.0
On-Site Lube/Fuel Trucks	0.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	0.0
SUBSTATION-BLDG-WATER TANK										
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
On-Site Heavy Duty Pick Up Truck	4.3	4.3	0.0	0.0	0.0	0.0	0.0	4.3	4.3	4.3
On-Site Service Truck	10.8	10.8	0.0	0.0	0.0	0.0	0.0	10.8	10.8	10.8
TOTAL (lb/month)	**131.4**	**230.6**	**215.5**	**215.5**	**99.2**	**99.2**	**99.2**	**114.3**	**114.3**	**15.1**

Table 8-f
Monthly On-Site Motor Vehicle SOx Emissions

Vehicle Type	Emission Factor (lb/mi)	SOx Emissions (lb/month)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
On-Site Pick Up Truck	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	2.29E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	3.56E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	2.26E-05	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0
On-Site Dump Truck	2.29E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
5000 gal Water Truck	3.56E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	2.29E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	2.26E-05	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
On-Site Service Truck	2.26E-05	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	2.29E-05	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	2.29E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	2.29E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
On-Site Heavy Duty Pick Up Truck	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	2.29E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**0.2**	**0.2**	**0.2**	**0.3**	**0.4**	**0.4**	**0.4**	**0.3**	**0.4**	**0.4**	**0.4**	**0.2**

Table 8-f
Monthly On-Site Motor Vehicle SOx

Vehicle Type	SOx Emissions (lb/month)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**0.3**	**0.4**	**0.4**	**0.3**	**0.3**	**0.3**	**0.3**	**0.4**	**0.2**	**0.4**	**0.1**	**0.3**	**0.3**

Table 8-f
Monthly On-Site Motor Vehicle SOx

Vehicle Type	SOx Emissions (lb/month)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**0.3**	**0.3**	**0.3**	**0.3**	**0.2**	**0.3**	**0.3**	**0.1**	**0.3**	**0.3**	**0.3**	**0.4**	**0.4**

Table 8-f
Monthly On-Site Motor Vehicle SOx

Vehicle Type	SOx Emissions (lb/month)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING										
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
SUBSTATION-BLDG-WATER TANK										
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**0.2**	**0.4**	**0.4**	**0.4**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.0**

Table 8-g
Monthly On-Site Motor Vehicle Exhaust PM10 Emissions

Vehicle Type	Emission Factor (lb/mi)	Exhaust PM10 Emissions (lb/month)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
On-Site Pick Up Truck	4.25E-04	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.0
On-Site Flatbed Delivery Truck	2.98E-04	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0
5000 gal Water Truck	4.90E-04	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0
On-Site Service Truck	4.25E-04	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0
On-Site Lube/Fuel Trucks	4.25E-04	1.9	1.9	1.9	0.0	1.9	1.9	1.9	0.0	1.9	1.9	1.9	0.0
On-Site Dump Truck	2.98E-04	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
5000 gal Water Truck	4.90E-04	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
On-Site Heavy Duty Pick Up Truck	4.25E-04	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
On-Site Flatbed Delivery Truck	2.98E-04	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
On-Site Lube/Fuel Trucks	4.25E-04	0.0	0.0	0.0	1.4	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
On-Site Service Truck	4.25E-04	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	2.98E-04	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	0.5	0.5	0.5	0.5
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	4.25E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	4.25E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	2.98E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	4.25E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	2.98E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	4.25E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
On-Site Heavy Duty Pick Up Truck	4.25E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	2.98E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	4.25E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	4.25E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**3.5**	**3.5**	**3.5**	**5.3**	**5.9**	**5.9**	**5.9**	**3.9**	**6.6**	**6.6**	**6.6**	**3.1**

Table 8-g
Monthly On-Site Motor Vehicle Exh

Vehicle Type	Exhaust PM10 Emissions (lb/month)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6
On-Site Heavy Duty Pick Up Truck	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4
On-Site Flatbed Delivery Truck	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7
On-Site Heavy Duty Pick Up Truck	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2
On-Site Flatbed Delivery Truck	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3
On-Site Service Truck	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.5
On-Site Dump Truck	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.0	0.0	0.0
TOTAL (lb/month)	**5.3**	**7.0**	**7.0**	**4.9**	**4.9**	**4.9**	**5.2**	**5.9**	**4.1**	**5.9**	**1.8**	**4.9**	**4.9**

Table 8-g
Monthly On-Site Motor Vehicle Exh

Vehicle Type	Exhaust PM10 Emissions (lb/month)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6
On-Site Heavy Duty Pick Up Truck	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4
On-Site Flatbed Delivery Truck	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1
On-Site Lube/Fuel Trucks	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.4
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.7	0.7	0.7	0.7	0.7
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
On-Site Heavy Duty Pick Up Truck	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
On-Site Flatbed Delivery Truck	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
On-Site Service Truck	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
On-Site Dump Truck	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
On-Site Service Truck	0.0	0.0	0.0	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
TOTAL (lb/month)	**4.9**	**4.9**	**4.9**	**5.5**	**3.7**	**5.5**	**4.9**	**1.8**	**5.0**	**5.0**	**5.0**	**6.9**	**7.5**

Table 8-g
Monthly On-Site Motor Vehicle Exh

Vehicle Type	Exhaust PM10 Emissions (lb/month)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING										
5000 gal Water Truck	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
On-Site Pick Up Truck	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
On-Site Flatbed Delivery Truck	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
On-Site Service Truck	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0
On-Site Dump Truck	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
On-Site Lube/Fuel Trucks	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0
SUBSTATION-BLDG-WATER TANK										
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
On-Site Heavy Duty Pick Up Truck	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
On-Site Service Truck	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
TOTAL (lb/month)	**3.9**	**7.5**	**6.9**	**6.9**	**3.7**	**3.7**	**3.7**	**4.3**	**4.3**	**0.7**

Table 8-h
Monthly On-Site Motor Vehicle Exhaust PM2.5 Emissions

Vehicle Type	Emission Factor (lb/mi)	Exhaust PM2.5 Emissions (lb/month)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
On-Site Pick Up Truck	3.91E-04	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.0
On-Site Flatbed Delivery Truck	2.74E-04	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0
5000 gal Water Truck	4.51E-04	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0
On-Site Service Truck	3.91E-04	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0
On-Site Lube/Fuel Trucks	3.91E-04	1.7	1.7	1.7	0.0	1.7	1.7	1.7	0.0	1.7	1.7	1.7	0.0
On-Site Dump Truck	2.74E-04	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
5000 gal Water Truck	4.51E-04	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
On-Site Heavy Duty Pick Up Truck	3.91E-04	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
On-Site Flatbed Delivery Truck	2.74E-04	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
On-Site Lube/Fuel Trucks	3.91E-04	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
On-Site Service Truck	3.91E-04	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	2.74E-04	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	0.5	0.5	0.5	0.5
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	3.91E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	3.91E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	2.74E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	3.91E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	2.74E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	3.91E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
On-Site Heavy Duty Pick Up Truck	3.91E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	2.74E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	3.91E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	3.91E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**3.2**	**3.2**	**3.2**	**4.8**	**5.5**	**5.5**	**5.5**	**3.6**	**6.0**	**6.0**	**6.0**	**2.8**

Table 8-h
Monthly On-Site Motor Vehicle Exh

Vehicle Type	Exhaust PM2.5 Emissions (lb/month)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6
On-Site Heavy Duty Pick Up Truck	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3
On-Site Flatbed Delivery Truck	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6
On-Site Heavy Duty Pick Up Truck	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2
On-Site Flatbed Delivery Truck	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3
On-Site Service Truck	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4
On-Site Dump Truck	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.0	0.0	0.0
TOTAL (lb/month)	**4.9**	**6.4**	**6.4**	**4.5**	**4.5**	**4.5**	**4.8**	**5.4**	**3.7**	**5.4**	**1.7**	**4.5**	**4.5**

Table 8-h
Monthly On-Site Motor Vehicle Exh

Vehicle Type	Exhaust PM2.5 Emissions (lb/month)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6
On-Site Heavy Duty Pick Up Truck	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3
On-Site Flatbed Delivery Truck	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1
On-Site Lube/Fuel Trucks	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3	1.3
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.6	0.6	0.6	0.6	0.6
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
On-Site Heavy Duty Pick Up Truck	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
On-Site Flatbed Delivery Truck	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
On-Site Service Truck	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
On-Site Dump Truck	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
On-Site Service Truck	0.0	0.0	0.0	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
TOTAL (lb/month)	**4.5**	**4.5**	**4.5**	**5.1**	**3.4**	**5.1**	**4.5**	**1.7**	**4.6**	**4.6**	**4.6**	**6.3**	**6.9**

Table 8-h
Monthly On-Site Motor Vehicle Exh

Vehicle Type	Exhaust PM2.5 Emissions (lb/month)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING										
5000 gal Water Truck	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
On-Site Pick Up Truck	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
On-Site Flatbed Delivery Truck	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
On-Site Service Truck	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0
On-Site Dump Truck	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
On-Site Lube/Fuel Trucks	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0
SUBSTATION-BLDG-WATER TANK										
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
On-Site Heavy Duty Pick Up Truck	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
On-Site Service Truck	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
TOTAL (lb/month)	**3.6**	**6.9**	**6.3**	**6.3**	**3.4**	**3.4**	**3.4**	**4.0**	**4.0**	**0.6**

Table 8-i
Monthly On-Site Motor Vehicle Fugitive PM10 Emissions

Vehicle Type	Emission Factor (lb/mi)	Fugitive PM10 Emissions (lb/month)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
On-Site Pick Up Truck	7.23E-01	1,192.6	1,192.6	1,192.6	0.0	1,192.6	1,192.6	1,192.6	0.0	1,192.6	1,192.6	1,192.6	0.0
On-Site Flatbed Delivery Truck	8.49E-01	933.4	933.4	933.4	0.0	933.4	933.4	933.4	0.0	933.4	933.4	933.4	0.0
5000 gal Water Truck	2.15E-04	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0
On-Site Service Truck	7.23E-01	397.5	397.5	397.5	0.0	397.5	397.5	397.5	0.0	397.5	397.5	397.5	0.0
On-Site Lube/Fuel Trucks	7.23E-01	3,180.2	3,180.2	3,180.2	0.0	3,180.2	3,180.2	3,180.2	0.0	3,180.2	3,180.2	3,180.2	0.0
On-Site Dump Truck	8.49E-01	373.4	373.4	373.4	0.0	373.4	373.4	373.4	0.0	373.4	373.4	373.4	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
5000 gal Water Truck	2.15E-04	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
On-Site Heavy Duty Pick Up Truck	7.23E-01	0.0	0.0	0.0	636.0	636.0	636.0	636.0	636.0	636.0	636.0	636.0	636.0
On-Site Flatbed Delivery Truck	8.49E-01	0.0	0.0	0.0	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4
On-Site Lube/Fuel Trucks	7.23E-01	0.0	0.0	0.0	2,385.1	0.0	0.0	0.0	2,385.1	2,385.1	2,385.1	2,385.1	2,385.1
On-Site Service Truck	7.23E-01	0.0	0.0	0.0	2,385.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	8.49E-01	0.0	0.0	0.0	3,733.6	3,733.6	3,733.6	3,733.6	3,733.6	1,493.4	1,493.4	1,493.4	1,493.4
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	7.23E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	7.23E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	8.49E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	7.23E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	8.49E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	7.23E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
On-Site Heavy Duty Pick Up Truck	7.23E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	8.49E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	7.23E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	7.23E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**6,077.1**	**6,077.1**	**6,077.1**	**9,513.5**	**10,820.4**	**10,820.4**	**10,820.4**	**7,128.4**	**10,965.3**	**10,965.3**	**10,965.3**	**4,888.2**

Table 8-i
Monthly On-Site Motor Vehicle Fug

Vehicle Type	Fugitive PM10 Emissions (lb/month)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
On-Site Pick Up Truck	1,192.6	1,192.6	1,192.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	933.4	933.4	933.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	397.5	397.5	397.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	3,180.2	3,180.2	3,180.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	373.4	373.4	373.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3
On-Site Heavy Duty Pick Up Truck	0.0	636.0	636.0	636.0	636.0	636.0	636.0	636.0	636.0	636.0	0.0	636.0	636.0
On-Site Flatbed Delivery Truck	0.0	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	0.0	373.4	373.4
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	2,385.1	2,385.1	2,385.1	2,385.1	2,385.1	2,385.1	2,385.1	0.0	2,385.1	2,385.1
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	1,493.4	1,493.4	1,493.4	1,493.4	1,493.4	1,493.4	1,493.4	1,493.4	1,493.4	0.0	1,493.4	1,493.4
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	1,192.6	1,192.6	1,192.6	1,192.6	1,192.6	1,192.6	1,192.6	1,192.6	0.0	1,192.6	1,192.6	1,192.6	1,192.6
On-Site Heavy Duty Pick Up Truck	318.0	318.0	318.0	318.0	318.0	318.0	318.0	318.0	0.0	318.0	318.0	318.0	318.0
On-Site Flatbed Delivery Truck	933.4	933.4	933.4	933.4	933.4	933.4	933.4	933.4	0.0	933.4	933.4	933.4	933.4
On-Site Service Truck	795.0	795.0	795.0	795.0	795.0	795.0	795.0	795.0	0.0	795.0	795.0	795.0	795.0
On-Site Dump Truck	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	0.0	373.4	373.4	373.4	373.4
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	318.0	318.0	318.0	318.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	373.4	373.4	373.4	373.4	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	318.0	318.0	318.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	795.0	795.0	795.0	0.0	0.0	0.0
TOTAL (lb/month)	**9,689.5**	**12,192.6**	**12,192.6**	**8,500.6**	**8,500.6**	**8,500.6**	**9,192.0**	**10,305.1**	**6,692.7**	**10,305.1**	**3,612.4**	**8,500.6**	**8,500.6**

Table 8-i
Monthly On-Site Motor Vehicle Fug

Vehicle Type	Fugitive PM10 Emissions (lb/month)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3
On-Site Heavy Duty Pick Up Truck	636.0	636.0	636.0	636.0	636.0	636.0	636.0	0.0	636.0	636.0	636.0	636.0	636.0
On-Site Flatbed Delivery Truck	373.4	373.4	373.4	373.4	373.4	373.4	373.4	0.0	373.4	373.4	373.4	373.4	373.4
On-Site Lube/Fuel Trucks	2,385.1	2,385.1	2,385.1	2,385.1	2,385.1	2,385.1	2,385.1	0.0	2,385.1	2,385.1	2,385.1	2,385.1	2,385.1
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	1,493.4	1,493.4	1,493.4	1,493.4	1,493.4	1,493.4	1,493.4	0.0	1,866.8	1,866.8	1,866.8	1,866.8	1,866.8
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	1,192.6	1,192.6	1,192.6	1,192.6	0.0	1,192.6	1,192.6	1,192.6	1,192.6	1,192.6	1,192.6	1,192.6	1,192.6
On-Site Heavy Duty Pick Up Truck	318.0	318.0	318.0	318.0	0.0	318.0	318.0	318.0	318.0	318.0	318.0	318.0	318.0
On-Site Flatbed Delivery Truck	933.4	933.4	933.4	933.4	0.0	933.4	933.4	933.4	933.4	933.4	933.4	933.4	933.4
On-Site Service Truck	795.0	795.0	795.0	795.0	0.0	795.0	795.0	795.0	795.0	795.0	795.0	795.0	795.0
On-Site Dump Truck	373.4	373.4	373.4	373.4	0.0	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,180.2	3,180.2
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	318.0	318.0	318.0	0.0	0.0	0.0	0.0	0.0	0.0	318.0
On-Site Service Truck	0.0	0.0	0.0	795.0	795.0	795.0	0.0	0.0	0.0	0.0	0.0	0.0	795.0
TOTAL (lb/month)	**8,500.6**	**8,500.6**	**8,500.6**	**9,613.7**	**6,001.3**	**9,613.7**	**8,500.6**	**3,612.4**	**8,874.0**	**8,874.0**	**8,874.0**	**12,054.1**	**13,167.2**

Table 8-i
Monthly On-Site Motor Vehicle Fug

Vehicle Type	Fugitive PM10 Emissions (lb/month)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING										
5000 gal Water Truck	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	636.0	636.0	636.0	636.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	373.4	373.4	373.4	373.4	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	2,385.1	2,385.1	2,385.1	2,385.1	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	1,866.8	1,866.8	1,866.8	1,866.8	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
On-Site Pick Up Truck	0.0	1,192.6	1,192.6	1,192.6	1,192.6	1,192.6	1,192.6	1,192.6	1,192.6	0.0
On-Site Heavy Duty Pick Up Truck	0.0	318.0	318.0	318.0	318.0	318.0	318.0	318.0	318.0	0.0
On-Site Flatbed Delivery Truck	0.0	933.4	933.4	933.4	933.4	933.4	933.4	933.4	933.4	0.0
On-Site Service Truck	0.0	795.0	795.0	795.0	795.0	795.0	795.0	795.0	795.0	0.0
On-Site Dump Truck	0.0	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	0.0
On-Site Lube/Fuel Trucks	0.0	3,180.2	3,180.2	3,180.2	3,180.2	3,180.2	3,180.2	3,180.2	3,180.2	0.0
SUBSTATION-BLDG-WATER TANK										
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
On-Site Heavy Duty Pick Up Truck	318.0	318.0	0.0	0.0	0.0	0.0	0.0	318.0	318.0	318.0
On-Site Service Truck	795.0	795.0	0.0	0.0	0.0	0.0	0.0	795.0	795.0	795.0
TOTAL (lb/month)	**6,374.7**	**13,167.2**	**12,054.1**	**12,054.1**	**6,792.5**	**6,792.5**	**6,792.5**	**7,905.6**	**7,905.6**	**1,113.1**

Table 8-j
Monthly On-Site Motor Vehicle Fugitive PM2.5 Emissions

Vehicle Type	Emission Factor (lb/mi)	Fugitive PM2.5 Emissions (lb/month)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
On-Site Pick Up Truck	7.24E-02	119.4	119.4	119.4	0.0	119.4	119.4	119.4	0.0	119.4	119.4	119.4	0.0
On-Site Flatbed Delivery Truck	8.50E-02	93.4	93.4	93.4	0.0	93.4	93.4	93.4	0.0	93.4	93.4	93.4	0.0
5000 gal Water Truck	7.82E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	7.24E-02	39.8	39.8	39.8	0.0	39.8	39.8	39.8	0.0	39.8	39.8	39.8	0.0
On-Site Lube/Fuel Trucks	7.24E-02	318.4	318.4	318.4	0.0	318.4	318.4	318.4	0.0	318.4	318.4	318.4	0.0
On-Site Dump Truck	8.50E-02	37.4	37.4	37.4	0.0	37.4	37.4	37.4	0.0	37.4	37.4	37.4	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
5000 gal Water Truck	7.82E-05	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
On-Site Heavy Duty Pick Up Truck	7.24E-02	0.0	0.0	0.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
On-Site Flatbed Delivery Truck	8.50E-02	0.0	0.0	0.0	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
On-Site Lube/Fuel Trucks	7.24E-02	0.0	0.0	0.0	238.8	0.0	0.0	0.0	238.8	238.8	238.8	238.8	238.8
On-Site Service Truck	7.24E-02	0.0	0.0	0.0	238.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	8.50E-02	0.0	0.0	0.0	373.8	373.8	373.8	373.8	373.8	149.5	149.5	149.5	149.5
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	7.24E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	7.24E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	8.50E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	7.24E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	8.50E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	7.24E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
On-Site Heavy Duty Pick Up Truck	7.24E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	8.50E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	7.24E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	7.24E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**608.5**	**608.5**	**608.5**	**952.6**	**1,083.5**	**1,083.5**	**1,083.5**	**713.8**	**1,098.1**	**1,098.1**	**1,098.1**	**489.5**

Table 8-j
Monthly On-Site Motor Vehicle Fug

Vehicle Type	Fugitive PM2.5 Emissions (lb/month)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
On-Site Pick Up Truck	119.4	119.4	119.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	93.4	93.4	93.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	39.8	39.8	39.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	318.4	318.4	318.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	37.4	37.4	37.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
On-Site Heavy Duty Pick Up Truck	0.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	0.0	63.7	63.7
On-Site Flatbed Delivery Truck	0.0	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	0.0	37.4	37.4
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	238.8	238.8	238.8	238.8	238.8	238.8	238.8	0.0	238.8	238.8
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	149.5	149.5	149.5	149.5	149.5	149.5	149.5	149.5	149.5	0.0	149.5	149.5
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.4	0.0	119.4	119.4	119.4	119.4
On-Site Heavy Duty Pick Up Truck	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	0.0	31.8	31.8	31.8	31.8
On-Site Flatbed Delivery Truck	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	0.0	93.4	93.4	93.4	93.4
On-Site Service Truck	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	0.0	79.6	79.6	79.6	79.6
On-Site Dump Truck	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	0.0	37.4	37.4	37.4	37.4
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	31.8	31.8	31.8	31.8	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	37.4	37.4	37.4	37.4	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.8	31.8	31.8	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.6	79.6	79.6	0.0	0.0	0.0
TOTAL (lb/month)	**970.2**	**1,220.9**	**1,220.9**	**851.2**	**851.2**	**851.2**	**920.5**	**1,031.9**	**670.2**	**1,031.9**	**361.7**	**851.2**	**851.2**

Table 8-j
Monthly On-Site Motor Vehicle Fug

Vehicle Type	Fugitive PM2.5 Emissions (lb/month)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1
On-Site Heavy Duty Pick Up Truck	63.7	63.7	63.7	63.7	63.7	63.7	63.7	0.0	63.7	63.7	63.7	63.7	63.7
On-Site Flatbed Delivery Truck	37.4	37.4	37.4	37.4	37.4	37.4	37.4	0.0	37.4	37.4	37.4	37.4	37.4
On-Site Lube/Fuel Trucks	238.8	238.8	238.8	238.8	238.8	238.8	238.8	0.0	238.8	238.8	238.8	238.8	238.8
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	149.5	149.5	149.5	149.5	149.5	149.5	149.5	0.0	186.9	186.9	186.9	186.9	186.9
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	119.4	119.4	119.4	119.4	0.0	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.4
On-Site Heavy Duty Pick Up Truck	31.8	31.8	31.8	31.8	0.0	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
On-Site Flatbed Delivery Truck	93.4	93.4	93.4	93.4	0.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
On-Site Service Truck	79.6	79.6	79.6	79.6	0.0	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
On-Site Dump Truck	37.4	37.4	37.4	37.4	0.0	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	318.4	318.4
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	31.8	31.8	31.8	0.0	0.0	0.0	0.0	0.0	0.0	31.8
On-Site Service Truck	0.0	0.0	0.0	79.6	79.6	79.6	0.0	0.0	0.0	0.0	0.0	0.0	79.6
TOTAL (lb/month)	**851.2**	**851.2**	**851.2**	**962.7**	**601.0**	**962.7**	**851.2**	**361.7**	**888.6**	**888.6**	**888.6**	**1,207.1**	**1,318.5**

Table 8-j
Monthly On-Site Motor Vehicle Fug

Vehicle Type	Fugitive PM2.5 Emissions (lb/month)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING										
5000 gal Water Truck	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	63.7	63.7	63.7	63.7	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	37.4	37.4	37.4	37.4	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	238.8	238.8	238.8	238.8	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	186.9	186.9	186.9	186.9	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
On-Site Pick Up Truck	0.0	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.4	0.0
On-Site Heavy Duty Pick Up Truck	0.0	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	0.0
On-Site Flatbed Delivery Truck	0.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	0.0
On-Site Service Truck	0.0	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	0.0
On-Site Dump Truck	0.0	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	0.0
On-Site Lube/Fuel Trucks	0.0	318.4	318.4	318.4	318.4	318.4	318.4	318.4	318.4	0.0
SUBSTATION-BLDG-WATER TANK										
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
On-Site Heavy Duty Pick Up Truck	31.8	31.8	0.0	0.0	0.0	0.0	0.0	31.8	31.8	31.8
On-Site Service Truck	79.6	79.6	0.0	0.0	0.0	0.0	0.0	79.6	79.6	79.6
TOTAL (lb/month)	**638.4**	**1,318.5**	**1,207.1**	**1,207.1**	**680.2**	**680.2**	**680.2**	**791.6**	**791.6**	**111.5**

Table 8-k
Monthly On-Site Motor Vehicle CO2 Emissions

Vehicle Type	Emission Factor (lb/mi)	CO2 Emissions (lb/month)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
On-Site Pick Up Truck	2.34E+00	3,853.3	3,853.3	3,853.3	0.0	3,853.3	3,853.3	3,853.3	0.0	3,853.3	3,853.3	3,853.3	0.0
On-Site Flatbed Delivery Truck	2.36E+00	2,598.0	2,598.0	2,598.0	0.0	2,598.0	2,598.0	2,598.0	0.0	2,598.0	2,598.0	2,598.0	0.0
5000 gal Water Truck	3.67E+00	1,615.4	1,615.4	1,615.4	0.0	1,615.4	1,615.4	1,615.4	0.0	1,615.4	1,615.4	1,615.4	0.0
On-Site Service Truck	2.34E+00	1,284.4	1,284.4	1,284.4	0.0	1,284.4	1,284.4	1,284.4	0.0	1,284.4	1,284.4	1,284.4	0.0
On-Site Lube/Fuel Trucks	2.34E+00	10,275.6	10,275.6	10,275.6	0.0	10,275.6	10,275.6	10,275.6	0.0	10,275.6	10,275.6	10,275.6	0.0
On-Site Dump Truck	2.36E+00	1,039.2	1,039.2	1,039.2	0.0	1,039.2	1,039.2	1,039.2	0.0	1,039.2	1,039.2	1,039.2	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
5000 gal Water Truck	3.67E+00	0.0	0.0	0.0	4,846.3	4,846.3	4,846.3	4,846.3	4,846.3	4,846.3	4,846.3	4,846.3	4,846.3
On-Site Heavy Duty Pick Up Truck	2.34E+00	0.0	0.0	0.0	2,055.1	2,055.1	2,055.1	2,055.1	2,055.1	2,055.1	2,055.1	2,055.1	2,055.1
On-Site Flatbed Delivery Truck	2.36E+00	0.0	0.0	0.0	1,039.2	1,039.2	1,039.2	1,039.2	1,039.2	1,039.2	1,039.2	1,039.2	1,039.2
On-Site Lube/Fuel Trucks	2.34E+00	0.0	0.0	0.0	7,706.7	0.0	0.0	0.0	7,706.7	7,706.7	7,706.7	7,706.7	7,706.7
On-Site Service Truck	2.34E+00	0.0	0.0	0.0	7,706.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	2.36E+00	0.0	0.0	0.0	10,391.9	10,391.9	10,391.9	10,391.9	10,391.9	4,156.8	4,156.8	4,156.8	4,156.8
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	2.34E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	2.34E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	2.36E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	2.34E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	2.36E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	2.34E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
On-Site Heavy Duty Pick Up Truck	2.34E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	2.36E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	2.34E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	2.34E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**20,665.9**	**20,665.9**	**20,665.9**	**33,745.8**	**38,998.4**	**38,998.4**	**38,998.4**	**26,039.2**	**40,470.0**	**40,470.0**	**40,470.0**	**19,804.0**

Table 8-k
Monthly On-Site Motor Vehicle CO2

Vehicle Type	CO2 Emissions (lb/month)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
On-Site Pick Up Truck	3,853.3	3,853.3	3,853.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	2,598.0	2,598.0	2,598.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	1,615.4	1,615.4	1,615.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	1,284.4	1,284.4	1,284.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	10,275.6	10,275.6	10,275.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	1,039.2	1,039.2	1,039.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.0	4,846.3	4,846.3	4,846.3	4,846.3	4,846.3	4,846.3	4,846.3	4,846.3	4,846.3	0.0	4,846.3	4,846.3
On-Site Heavy Duty Pick Up Truck	0.0	2,055.1	2,055.1	2,055.1	2,055.1	2,055.1	2,055.1	2,055.1	2,055.1	2,055.1	0.0	2,055.1	2,055.1
On-Site Flatbed Delivery Truck	0.0	1,039.2	1,039.2	1,039.2	1,039.2	1,039.2	1,039.2	1,039.2	1,039.2	1,039.2	0.0	1,039.2	1,039.2
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	7,706.7	7,706.7	7,706.7	7,706.7	7,706.7	7,706.7	7,706.7	0.0	7,706.7	7,706.7
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	4,156.8	4,156.8	4,156.8	4,156.8	4,156.8	4,156.8	4,156.8	4,156.8	4,156.8	0.0	4,156.8	4,156.8
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	3,853.3	3,853.3	3,853.3	3,853.3	3,853.3	3,853.3	3,853.3	3,853.3	0.0	3,853.3	3,853.3	3,853.3	3,853.3
On-Site Heavy Duty Pick Up Truck	1,027.6	1,027.6	1,027.6	1,027.6	1,027.6	1,027.6	1,027.6	1,027.6	0.0	1,027.6	1,027.6	1,027.6	1,027.6
On-Site Flatbed Delivery Truck	2,598.0	2,598.0	2,598.0	2,598.0	2,598.0	2,598.0	2,598.0	2,598.0	0.0	2,598.0	2,598.0	2,598.0	2,598.0
On-Site Service Truck	2,568.9	2,568.9	2,568.9	2,568.9	2,568.9	2,568.9	2,568.9	2,568.9	0.0	2,568.9	2,568.9	2,568.9	2,568.9
On-Site Dump Truck	1,039.2	1,039.2	1,039.2	1,039.2	1,039.2	1,039.2	1,039.2	1,039.2	0.0	1,039.2	1,039.2	1,039.2	1,039.2
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	1,027.6	1,027.6	1,027.6	1,027.6	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	1,039.2	1,039.2	1,039.2	1,039.2	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,027.6	1,027.6	1,027.6	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,568.9	2,568.9	2,568.9	0.0	0.0	0.0
TOTAL (lb/month)	**31,752.9**	**43,850.2**	**43,850.2**	**30,891.0**	**30,891.0**	**30,891.0**	**32,957.7**	**36,554.2**	**25,467.2**	**36,554.2**	**11,087.0**	**30,891.0**	**30,891.0**

Table 8-k
Monthly On-Site Motor Vehicle CO2

Vehicle Type	CO2 Emissions (lb/month)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	4,846.3	4,846.3	4,846.3	4,846.3	4,846.3	4,846.3	4,846.3	0.0	4,846.3	4,846.3	4,846.3	4,846.3	4,846.3
On-Site Heavy Duty Pick Up Truck	2,055.1	2,055.1	2,055.1	2,055.1	2,055.1	2,055.1	2,055.1	0.0	2,055.1	2,055.1	2,055.1	2,055.1	2,055.1
On-Site Flatbed Delivery Truck	1,039.2	1,039.2	1,039.2	1,039.2	1,039.2	1,039.2	1,039.2	0.0	1,039.2	1,039.2	1,039.2	1,039.2	1,039.2
On-Site Lube/Fuel Trucks	7,706.7	7,706.7	7,706.7	7,706.7	7,706.7	7,706.7	7,706.7	0.0	7,706.7	7,706.7	7,706.7	7,706.7	7,706.7
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	4,156.8	4,156.8	4,156.8	4,156.8	4,156.8	4,156.8	4,156.8	0.0	5,196.0	5,196.0	5,196.0	5,196.0	5,196.0
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	3,853.3	3,853.3	3,853.3	3,853.3	0.0	3,853.3	3,853.3	3,853.3	3,853.3	3,853.3	3,853.3	3,853.3	3,853.3
On-Site Heavy Duty Pick Up Truck	1,027.6	1,027.6	1,027.6	1,027.6	0.0	1,027.6	1,027.6	1,027.6	1,027.6	1,027.6	1,027.6	1,027.6	1,027.6
On-Site Flatbed Delivery Truck	2,598.0	2,598.0	2,598.0	2,598.0	0.0	2,598.0	2,598.0	2,598.0	2,598.0	2,598.0	2,598.0	2,598.0	2,598.0
On-Site Service Truck	2,568.9	2,568.9	2,568.9	2,568.9	0.0	2,568.9	2,568.9	2,568.9	2,568.9	2,568.9	2,568.9	2,568.9	2,568.9
On-Site Dump Truck	1,039.2	1,039.2	1,039.2	1,039.2	0.0	1,039.2	1,039.2	1,039.2	1,039.2	1,039.2	1,039.2	1,039.2	1,039.2
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10,275.6	10,275.6
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	1,027.6	1,027.6	1,027.6	0.0	0.0	0.0	0.0	0.0	0.0	1,027.6
On-Site Service Truck	0.0	0.0	0.0	2,568.9	2,568.9	2,568.9	0.0	0.0	0.0	0.0	0.0	0.0	2,568.9
TOTAL (lb/month)	**30,891.0**	**30,891.0**	**30,891.0**	**34,487.4**	**23,400.5**	**34,487.4**	**30,891.0**	**11,087.0**	**31,930.2**	**31,930.2**	**31,930.2**	**42,205.7**	**45,802.2**

Table 8-k
Monthly On-Site Motor Vehicle CO2

Vehicle Type	CO2 Emissions (lb/month)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING										
5000 gal Water Truck	4,846.3	4,846.3	4,846.3	4,846.3	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	2,055.1	2,055.1	2,055.1	2,055.1	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	1,039.2	1,039.2	1,039.2	1,039.2	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	7,706.7	7,706.7	7,706.7	7,706.7	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	5,196.0	5,196.0	5,196.0	5,196.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
On-Site Pick Up Truck	0.0	3,853.3	3,853.3	3,853.3	3,853.3	3,853.3	3,853.3	3,853.3	3,853.3	0.0
On-Site Heavy Duty Pick Up Truck	0.0	1,027.6	1,027.6	1,027.6	1,027.6	1,027.6	1,027.6	1,027.6	1,027.6	0.0
On-Site Flatbed Delivery Truck	0.0	2,598.0	2,598.0	2,598.0	2,598.0	2,598.0	2,598.0	2,598.0	2,598.0	0.0
On-Site Service Truck	0.0	2,568.9	2,568.9	2,568.9	2,568.9	2,568.9	2,568.9	2,568.9	2,568.9	0.0
On-Site Dump Truck	0.0	1,039.2	1,039.2	1,039.2	1,039.2	1,039.2	1,039.2	1,039.2	1,039.2	0.0
On-Site Lube/Fuel Trucks	0.0	10,275.6	10,275.6	10,275.6	10,275.6	10,275.6	10,275.6	10,275.6	10,275.6	0.0
SUBSTATION-BLDG-WATER TANK										
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
On-Site Heavy Duty Pick Up Truck	1,027.6	1,027.6	0.0	0.0	0.0	0.0	0.0	1,027.6	1,027.6	1,027.6
On-Site Service Truck	2,568.9	2,568.9	0.0	0.0	0.0	0.0	0.0	2,568.9	2,568.9	2,568.9
TOTAL (lb/month)	**24,439.7**	**45,802.2**	**42,205.7**	**42,205.7**	**21,362.5**	**21,362.5**	**21,362.5**	**24,959.0**	**24,959.0**	**3,596.4**

Table 8-l
Monthly On-Site Motor Vehicle CH4 Emissions

Vehicle Type	Emission Factor (lb/mi)	CH4 Emissions (lb/month)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
On-Site Pick Up Truck	1.92E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	1.73E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	3.30E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	1.92E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	1.92E-05	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0
On-Site Dump Truck	1.73E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
5000 gal Water Truck	3.30E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	1.92E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	1.73E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	1.92E-05	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
On-Site Service Truck	1.92E-05	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	1.73E-05	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	1.92E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	1.92E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	1.73E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	1.92E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	1.73E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	1.92E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
On-Site Heavy Duty Pick Up Truck	1.92E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	1.73E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	1.92E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	1.92E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.3**	**0.3**	**0.2**	**0.3**	**0.3**	**0.3**	**0.2**

Table 8-l
Monthly On-Site Motor Vehicle CH4

Vehicle Type	CH4 Emissions (lb/month)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**0.3**	**0.4**	**0.4**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.2**	**0.3**	**0.1**	**0.2**	**0.2**

Table 8-l
Monthly On-Site Motor Vehicle CH4

Vehicle Type	CH4 Emissions (lb/month)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**0.2**	**0.2**	**0.2**	**0.3**	**0.2**	**0.3**	**0.2**	**0.1**	**0.3**	**0.3**	**0.3**	**0.3**	**0.4**

Table 8-l
Monthly On-Site Motor Vehicle CH4

Vehicle Type	CH4 Emissions (lb/month)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING										
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
SUBSTATION-BLDG-WATER TANK										
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**0.2**	**0.4**	**0.3**	**0.3**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.0**

Table 8-m
Monthly On-Site Motor Vehicle N2O Emissions

Vehicle Type	Emission Factor (lb/mi)	N2O Emissions (lb/month)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
On-Site Pick Up Truck	7.80E-05	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0
On-Site Flatbed Delivery Truck	7.89E-05	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0
5000 gal Water Truck	1.23E-04	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0
On-Site Service Truck	7.80E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	7.80E-05	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0
On-Site Dump Truck	7.89E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
5000 gal Water Truck	1.23E-04	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
On-Site Heavy Duty Pick Up Truck	7.80E-05	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
On-Site Flatbed Delivery Truck	7.89E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	7.80E-05	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
On-Site Service Truck	7.80E-05	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	7.89E-05	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	7.80E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	7.80E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	7.89E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	7.80E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	7.89E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	7.80E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
On-Site Heavy Duty Pick Up Truck	7.80E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	7.89E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	7.80E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	7.80E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**0.7**	**0.7**	**0.7**	**1.1**	**1.3**	**1.3**	**1.3**	**0.9**	**1.4**	**1.4**	**1.4**	**0.7**

Table 8-m
Monthly On-Site Motor Vehicle N2C

Vehicle Type	N2O Emissions (lb/month)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2
On-Site Heavy Duty Pick Up Truck	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
On-Site Service Truck	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
TOTAL (lb/month)	**1.1**	**1.5**	**1.5**	**1.0**	**1.0**	**1.0**	**1.1**	**1.2**	**0.9**	**1.2**	**0.4**	**1.0**	**1.0**

Table 8-m
Monthly On-Site Motor Vehicle N2C

Vehicle Type	N2O Emissions (lb/month)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2
On-Site Heavy Duty Pick Up Truck	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.2	0.2	0.2	0.2	0.2
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
On-Site Service Truck	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
TOTAL (lb/month)	**1.0**	**1.0**	**1.0**	**1.2**	**0.8**	**1.2**	**1.0**	**0.4**	**1.1**	**1.1**	**1.1**	**1.4**	**1.5**

Table 8-m
Monthly On-Site Motor Vehicle N2C

Vehicle Type	N2O Emissions (lb/month)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING										
5000 gal Water Truck	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
On-Site Pick Up Truck	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
On-Site Service Truck	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
SUBSTATION-BLDG-WATER TANK										
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
TOTAL (lb/month)	**0.8**	**1.5**	**1.4**	**1.4**	**0.7**	**0.7**	**0.7**	**0.8**	**0.8**	**0.1**

Table 9-a
Daily Earthwork Quantities

Type	Units	Amount Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
Cut	CY/Day	5	5	5	0	5	5	5	0	5	5	5	0
Fill	CY/Day	5	5	5	0	5	5	5	0	5	5	5	0
Total Cut and Fill	CY/Day	10	10	10	0	10	10	10	0	10	10	10	0
Bulldozing, Scraping and Grading	Hr/Day	0	0	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
Cut	CY/Day	0	0	0	582	582	582	582	582	582	582	582	582
Fill	CY/Day	0	0	0	445	445	445	445	445	445	445	445	445
Total Cut and Fill	CY/Day	0	0	0	1,027	1,027	1,027	1,027	1,027	1,027	1,027	1,027	1,027
Bulldozing, Scraping and Grading	Hr/Day	0	0	0	40	40	40	40	40	40	40	40	40
PV PANEL CONSTRUCTION													
Cut	CY/Day	0	0	0	0	0	0	0	0	0	0	0	0
Fill	CY/Day	0	0	0	0	0	0	0	0	0	0	0	0
Total Cut and Fill	CY/Day	0	0	0	0	0	0	0	0	0	0	0	0
Bulldozing, Scraping and Grading	Hr/Day	0	0	0	0	0	0	0	0	0	0	0	0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
Cut	CY/Day	0	0	0	0	0	0	0	0	0	0	0	0
Fill	CY/Day	0	0	0	0	0	0	0	0	0	0	0	0
Total Cut and Fill	CY/Day	0	0	0	0	0	0	0	0	0	0	0	0
Bulldozing, Scraping and Grading	Hr/Day	0	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning													
Cut	CY/Day	0	0	0	0	0	0	0	0	0	0	0	0
Fill	CY/Day	0	0	0	0	0	0	0	0	0	0	0	0
Total Cut and Fill	CY/Day	0	0	0	0	0	0	0	0	0	0	0	0
Bulldozing, Scraping and Grading	Hr/Day	0	0	0	0	0	0	0	0	0	0	0	0

Table 9-a
Daily Earthwork Quantities

Type	Amount												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
Cut	5	5	5	0	0	0	0	0	0	0	0	0	0
Fill	5	5	5	0	0	0	0	0	0	0	0	0	0
Total Cut and Fill	10	10	10	0	0	0	0	0	0	0	0	0	0
Bulldozing, Scraping and Grading	0	0	0	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING/RO													
Cut	0	582	582	582	582	582	582	582	582	582	0	582	582
Fill	0	445	445	445	445	445	445	445	445	445	0	445	445
Total Cut and Fill	0	1,027	1,027	1,027	1,027	1,027	1,027	1,027	1,027	1,027	0	1,027	1,027
Bulldozing, Scraping and Grading	0	40	40	40	40	40	40	40	40	40	0	40	40
PV PANEL CONSTRUCTION													
Cut	80	80	80	80	80	80	80	80	0	80	80	80	80
Fill	65	65	65	65	65	65	65	65	0	65	65	65	65
Total Cut and Fill	145	145	145	145	145	145	145	145	0	145	145	145	145
Bulldozing, Scraping and Grading	4	4	4	4	4	4	4	4	0	4	4	4	4
SUBSTATION-BLDG-WATER TANK CO													
Cut	0	0	0	0	0	0	30	30	30	30	0	0	0
Fill	0	0	0	0	0	0	30	30	30	30	0	0	0
Total Cut and Fill	0	0	0	0	0	0	60	60	60	60	0	0	0
Bulldozing, Scraping and Grading	0	0	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning													
Cut	0	0	0	0	0	0	0	0	0	0	0	0	0
Fill	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cut and Fill	0	0	0	0	0	0	0	0	0	0	0	0	0
Bulldozing, Scraping and Grading	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 9-a
Daily Earthwork Quantities

Type	Amount												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
Cut	0	0	0	0	0	0	0	0	0	0	0	0	0
Fill	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cut and Fill	0	0	0	0	0	0	0	0	0	0	0	0	0
Bulldozing, Scraping and Grading	0	0	0	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING/RO													
Cut	582	582	582	582	582	582	582	0	582	582	582	582	582
Fill	445	445	445	445	445	445	445	0	445	445	445	445	445
Total Cut and Fill	1,027	1,027	1,027	1,027	1,027	1,027	1,027	0	1,027	1,027	1,027	1,027	1,027
Bulldozing, Scraping and Grading	40	40	40	40	40	40	40	0	40	40	40	40	40
PV PANEL CONSTRUCTION													
Cut	80	80	80	80	0	80	80	80	80	80	80	80	80
Fill	65	65	65	65	0	65	65	65	65	65	65	65	65
Total Cut and Fill	145	145	145	145	0	145	145	145	145	145	145	145	145
Bulldozing, Scraping and Grading	4	4	4	4	0	4	4	4	4	4	4	4	4
SUBSTATION-BLDG-WATER TANK CO													
Cut	0	0	0	0	0	0	0	0	0	0	0	0	0
Fill	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cut and Fill	0	0	0	0	0	0	0	0	0	0	0	0	0
Bulldozing, Scraping and Grading	0	0	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning													
Cut	0	0	0	0	0	0	0	0	0	0	0	0	0
Fill	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cut and Fill	0	0	0	0	0	0	0	0	0	0	0	0	0
Bulldozing, Scraping and Grading	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 9-a
Daily Earthwork Quantities

Type	Amount									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
Cut	0	0	0	0	0	0	0	0	0	0
Fill	0	0	0	0	0	0	0	0	0	0
Total Cut and Fill	0	0	0	0	0	0	0	0	0	0
Bulldozing, Scraping and Grading	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING/RO										
Cut	582	582	582	582	0	0	0	0	0	0
Fill	445	445	445	445	0	0	0	0	0	0
Total Cut and Fill	1,027	1,027	1,027	1,027	0	0	0	0	0	0
Bulldozing, Scraping and Grading	40	40	40	40	0	0	0	0	0	0
PV PANEL CONSTRUCTION										
Cut	0	80	80	80	80	80	80	80	80	0
Fill	0	65	65	65	65	65	65	65	65	0
Total Cut and Fill	0	145	145	145	145	145	145	145	145	0
Bulldozing, Scraping and Grading	0	4	4	4	4	4	4	4	4	0
SUBSTATION-BLDG-WATER TANK CO										
Cut	0	0	0	0	0	0	0	0	0	0
Fill	0	0	0	0	0	0	0	0	0	0
Total Cut and Fill	0	0	0	0	0	0	0	0	0	0
Bulldozing, Scraping and Grading	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning										
Cut	0	0	0	0	0	0	0	0	0	0
Fill	0	0	0	0	0	0	0	0	0	0
Total Cut and Fill	0	0	0	0	0	0	0	0	0	0
Bulldozing, Scraping and Grading	0	0	0	0	0	0	0	0	0	0

Table 9-b
Monthly Earthwork Quantities

Type	Units	Monthly Amount[a]											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
Total Cut and Fill	CY/Month	220	220	220	0	220	220	220	0	220	220	220	0
Bulldozing, Scraping and Grading	Hr/Month	0	0	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
Total Cut and Fill	CY/Month	0	0	0	22,594	22,594	22,594	22,594	22,594	22,594	22,594	22,594	22,594
Bulldozing, Scraping and Grading	Hr/Month	0	0	0	880	880	880	880	880	880	880	880	880
PV PANEL CONSTRUCTION													
Total Cut and Fill	CY/Month	0	0	0	0	0	0	0	0	0	0	0	0
Bulldozing, Scraping and Grading	Hr/Month	0	0	0	0	0	0	0	0	0	0	0	0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
Total Cut and Fill	CY/Month	0	0	0	0	0	0	0	0	0	0	0	0
Bulldozing, Scraping and Grading	Hr/Month	0	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning													
Total Cut and Fill	CY/Month	0	0	0	0	0	0	0	0	0	0	0	0
Bulldozing, Scraping and Grading	Hr/Month	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on 22 working days/month

Table 9-b
Monthly Earthwork Quantities

Type	Monthly Amount[a]												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
Total Cut and Fill	220	220	220	0	0	0	0	0	0	0	0	0	0
Bulldozing, Scraping and Grading	0	0	0	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING/RO													
Total Cut and Fill	0	22,594	22,594	22,594	22,594	22,594	22,594	22,594	22,594	22,594	0	22,594	22,594
Bulldozing, Scraping and Grading	0	880	880	880	880	880	880	880	880	880	0	880	880
PV PANEL CONSTRUCTION													
Total Cut and Fill	3,190	3,190	3,190	3,190	3,190	3,190	3,190	3,190	0	3,190	3,190	3,190	3,190
Bulldozing, Scraping and Grading	88	88	88	88	88	88	88	88	0	88	88	88	88
SUBSTATION-BLDG-WATER TANK CO													
Total Cut and Fill	0	0	0	0	0	0	1,320	1,320	1,320	1,320	0	0	0
Bulldozing, Scraping and Grading	0	0	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning													
Total Cut and Fill	0	0	0	0	0	0	0	0	0	0	0	0	0
Bulldozing, Scraping and Grading	0	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on 22 working days/month

Table 9-b
Monthly Earthwork Quantities

Type	Monthly Amount[a]												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
Total Cut and Fill	0	0	0	0	0	0	0	0	0	0	0	0	0
Bulldozing, Scraping and Grading	0	0	0	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING/RO													
Total Cut and Fill	22,594	22,594	22,594	22,594	22,594	22,594	22,594	0	22,594	22,594	22,594	22,594	22,594
Bulldozing, Scraping and Grading	880	880	880	880	880	880	880	0	880	880	880	880	880
PV PANEL CONSTRUCTION													
Total Cut and Fill	3,190	3,190	3,190	3,190	0	3,190	3,190	3,190	3,190	3,190	3,190	3,190	3,190
Bulldozing, Scraping and Grading	88	88	88	88	0	88	88	88	88	88	88	88	88
SUBSTATION-BLDG-WATER TANK CO													
Total Cut and Fill	0	0	0	0	0	0	0	0	0	0	0	0	0
Bulldozing, Scraping and Grading	0	0	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning													
Total Cut and Fill	0	0	0	0	0	0	0	0	0	0	0	0	0
Bulldozing, Scraping and Grading	0	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on 22 working days/month

Table 9-b
Monthly Earthwork Quantities

Type	Monthly Amount[a]									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
Total Cut and Fill	0	0	0	0	0	0	0	0	0	0
Bulldozing, Scraping and Grading	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING/RO										
Total Cut and Fill	22,594	22,594	22,594	22,594	0	0	0	0	0	0
Bulldozing, Scraping and Grading	880	880	880	880	0	0	0	0	0	0
PV PANEL CONSTRUCTION										
Total Cut and Fill	0	3,190	3,190	3,190	3,190	3,190	3,190	3,190	3,190	0
Bulldozing, Scraping and Grading	0	88	88	88	88	88	88	88	88	0
SUBSTATION-BLDG-WATER TANK CO										
Total Cut and Fill	0	0	0	0	0	0	0	0	0	0
Bulldozing, Scraping and Grading	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning										
Total Cut and Fill	0	0	0	0	0	0	0	0	0	0
Bulldozing, Scraping and Grading	0	0	0	0	0	0	0	0	0	0

[a] Based on 22 working days/month

Table 9-c
Monthly Earthwork Fugitive PM10 Emissions

Type	Emission Factor (lb/unit)	Fugitive PM10 Emissions (lb/month)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
Total Cut and Fill	2.89E-04	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0
Bulldozing, Scraping and Grading	1.72E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
Total Cut and Fill	2.89E-04	0.0	0.0	0.0	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
Bulldozing, Scraping and Grading	1.72E+00	0.0	0.0	0.0	1,510.6	1,510.6	1,510.6	1,510.6	1,510.6	1,510.6	1,510.6	1,510.6	1,510.6
PV PANEL CONSTRUCTION													
Total Cut and Fill	2.89E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	1.72E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
Total Cut and Fill	2.89E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	1.72E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Total Cut and Fill	2.89E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	1.72E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**0.1**	**0.1**	**0.1**	**1,517.2**	**1,517.2**	**1,517.2**	**1,517.2**	**1,517.2**	**1,517.2**	**1,517.2**	**1,517.2**	**1,517.2**

Table 9-d
Monthly Earthwork Fugitive PM2.5 Emissions

Type	Emission Factor	Fugitive PM2.5 Emissions (lb/month)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
Total Cut and Fill	4.38E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	5.25E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
Total Cut and Fill	4.38E-05	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Bulldozing, Scraping and Grading	5.25E-01	0.0	0.0	0.0	461.6	461.6	461.6	461.6	461.6	461.6	461.6	461.6	461.6
PV PANEL CONSTRUCTION													
Total Cut and Fill	4.38E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	5.25E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
Total Cut and Fill	4.38E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	5.25E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Total Cut and Fill	4.38E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	5.25E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**0.0**	**0.0**	**0.0**	**462.6**	**462.6**	**462.6**	**462.6**	**462.6**	**462.6**	**462.6**	**462.6**	**462.6**

Table 9-c
Monthly Earthwork Fugitive PM10 Emi

Type	Fugitive PM10 Emissions (lb/month)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
Total Cut and Fill	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO													
Total Cut and Fill	0.0	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	0.0	6.5	6.5
Bulldozing, Scraping and Grading	0.0	1,510.6	1,510.6	1,510.6	1,510.6	1,510.6	1,510.6	1,510.6	1,510.6	1,510.6	0.0	1,510.6	1,510.6
PV PANEL CONSTRUCTION													
Total Cut and Fill	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9
Bulldozing, Scraping and Grading	151.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1	0.0	151.1	151.1	151.1	151.1
SUBSTATION-BLDG-WATER TANK CO													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**152.0**	**1,669.2**	**1,669.2**	**1,669.2**	**1,669.2**	**1,669.2**	**1,669.5**	**1,669.5**	**1,517.5**	**1,669.5**	**152.0**	**1,669.2**	**1,669.2**

Table 9-d
Monthly Earthwork Fugitive PM2.5 Emi

Type	Fugitive PM2.5 Emissions (lb/month)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO													
Total Cut and Fill	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0
Bulldozing, Scraping and Grading	0.0	461.6	461.6	461.6	461.6	461.6	461.6	461.6	461.6	461.6	0.0	461.6	461.6
PV PANEL CONSTRUCTION													
Total Cut and Fill	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Bulldozing, Scraping and Grading	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	0.0	46.2	46.2	46.2	46.2
SUBSTATION-BLDG-WATER TANK CO													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**46.3**	**508.9**	**508.9**	**508.9**	**508.9**	**508.9**	**508.9**	**508.9**	**462.6**	**508.9**	**46.3**	**508.9**	**508.9**

Table 9-c
Monthly Earthwork Fugitive PM10 Emi

Type	Fugitive PM10 Emissions (lb/month)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO													
Total Cut and Fill	6.5	6.5	6.5	6.5	6.5	6.5	6.5	0.0	6.5	6.5	6.5	6.5	6.5
Bulldozing, Scraping and Grading	1,510.6	1,510.6	1,510.6	1,510.6	1,510.6	1,510.6	1,510.6	0.0	1,510.6	1,510.6	1,510.6	1,510.6	1,510.6
PV PANEL CONSTRUCTION													
Total Cut and Fill	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Bulldozing, Scraping and Grading	151.1	151.1	151.1	151.1	0.0	151.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1
SUBSTATION-BLDG-WATER TANK CO													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**1,669.2**	**1,669.2**	**1,669.2**	**1,669.2**	**1,517.2**	**1,669.2**	**1,669.2**	**152.0**	**1,669.2**	**1,669.2**	**1,669.2**	**1,669.2**	**1,669.2**

Table 9-d
Monthly Earthwork Fugitive PM2.5 Emi

Type	Fugitive PM2.5 Emissions (lb/month)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO													
Total Cut and Fill	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0
Bulldozing, Scraping and Grading	461.6	461.6	461.6	461.6	461.6	461.6	461.6	0.0	461.6	461.6	461.6	461.6	461.6
PV PANEL CONSTRUCTION													
Total Cut and Fill	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Bulldozing, Scraping and Grading	46.2	46.2	46.2	46.2	0.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
SUBSTATION-BLDG-WATER TANK CO													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**508.9**	**508.9**	**508.9**	**508.9**	**462.6**	**508.9**	**508.9**	**46.3**	**508.9**	**508.9**	**508.9**	**508.9**	**508.9**

Table 9-c
Monthly Earthwork Fugitive PM10 Emi

Type	Fugitive PM10 Emissions (lb/month)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO										
Total Cut and Fill	6.5	6.5	6.5	6.5	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	1,510.6	1,510.6	1,510.6	1,510.6	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
Total Cut and Fill	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0
Bulldozing, Scraping and Grading	0.0	151.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1	0.0
SUBSTATION-BLDG-WATER TANK CO										
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**1,517.2**	**1,669.2**	**1,669.2**	**1,669.2**	**152.0**	**152.0**	**152.0**	**152.0**	**152.0**	**0.0**

Table 9-d
Monthly Earthwork Fugitive PM2.5 Emi

Type	Fugitive PM2.5 Emissions (lb/month)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO										
Total Cut and Fill	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	461.6	461.6	461.6	461.6	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
Total Cut and Fill	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Bulldozing, Scraping and Grading	0.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	0.0
SUBSTATION-BLDG-WATER TANK CO										
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**462.6**	**508.9**	**508.9**	**508.9**	**46.3**	**46.3**	**46.3**	**46.3**	**46.3**	**0.0**

Table 10-a
Daily Asphaltic Paving

Type	Units	Amount Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
Paving	Acres/Day	0.00	0.00	0.00	0.00	0.20	0.20	0.20	0.00	0.00	0.00	0.00	0.00
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
Paving	Acres/Day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10
PV PANEL CONSTRUCTION													
Paving	Acres/Day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
Paving	Acres/Day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Testing & Commissioning													
Paving	Acres/Day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 10-b
Monthly Asphaltic Paving Fugitive ROG Emissions

Type	Emission Factor (lb/acre)[a]	Monthly Emissions (lb/month)[b] Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
Paving	2.62	0.00	0.00	0.00	0.00	11.53	11.53	11.53	0.00	0.00	0.00	0.00	0.00
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
Paving	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.76	5.76
PV PANEL CONSTRUCTION													
Paving	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
Paving	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Testing & Commissioning													
Paving	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL (lb/month)		**0.00**	**0.00**	**0.00**	**0.00**	**11.53**	**11.53**	**11.53**	**0.00**	**0.00**	**0.00**	**5.76**	**5.76**

[a] From CalEEMod Emission Estimator Model, Version 2011.1.1, 2011

[b] Based on 22 working days/month

Table 10-a
Daily Asphaltic Paving

Type	Amount												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CIVIL IMPROVEMENTS - GRADING/RO													
Paving	0.00	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PV PANEL CONSTRUCTION													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTATION-BLDG-WATER TANK CO													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Testing & Commissioning													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.13	0.00	0.00	0.00

Table 10-b
Monthly Asphaltic Paving Fugitive RO(

Type	Monthly Emissions (lb/month)[b]												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CIVIL IMPROVEMENTS - GRADING/RO													
Paving	0.00	5.76	5.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PV PANEL CONSTRUCTION													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTATION-BLDG-WATER TANK CO													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Testing & Commissioning													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.21	7.21	0.00	0.00	0.00
TOTAL (lb/month)	**0.00**	**5.76**	**5.76**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**7.21**	**7.21**	**0.00**	**0.00**	**0.00**

[a] From CalEEMod Emission Estimator Mo

[b] Based on 22 working days/month

Table 10-a
Daily Asphaltic Paving

Type	Amount												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CIVIL IMPROVEMENTS - GRADING/RO													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PV PANEL CONSTRUCTION													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTATION-BLDG-WATER TANK CO													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Testing & Commissioning													
Paving	0.00	0.00	0.00	0.00	0.13	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 10-b
Monthly Asphaltic Paving Fugitive RO(

Type	Monthly Emissions (lb/month)[b]												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CIVIL IMPROVEMENTS - GRADING/RO													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PV PANEL CONSTRUCTION													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTATION-BLDG-WATER TANK CO													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Testing & Commissioning													
Paving	0.00	0.00	0.00	0.00	7.21	7.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL (lb/month)	**0.00**	**0.00**	**0.00**	**0.00**	**7.21**	**7.21**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

[a] From CalEEMod Emission Estimator Mo

[b] Based on 22 working days/month

Table 10-a
Daily Asphaltic Paving

Type	Amount									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CIVIL IMPROVEMENTS - GRADING/RO										
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PV PANEL CONSTRUCTION										
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTATION-BLDG-WATER TANK CO										
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Testing & Commissioning										
Paving	0.13	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.13

Table 10-b
Monthly Asphaltic Paving Fugitive RO(

Type	Monthly Emissions (lb/month)[b]									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CIVIL IMPROVEMENTS - GRADING/RO										
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PV PANEL CONSTRUCTION										
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTATION-BLDG-WATER TANK CO										
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Testing & Commissioning										
Paving	7.21	7.21	0.00	0.00	0.00	0.00	0.00	0.00	7.21	7.21
TOTAL (lb/month)	**7.21**	**7.21**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**7.21**	**7.21**

[a] From CalEEMod Emission Estimator Mo

[b] Based on 22 working days/month

Table 11-a
Construction Equipment Numbers

Equipment	Fuel	HP	Hours	Number Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11
FENCE - MOBILIZATION														
Generator	Diesel	30	1	1	1	1	0	1	1	1	0	1	1	1
Skip Loader	Diesel	78	1	1	1	1	0	1	1	1	0	1	1	1
Track Trencher	Diesel	115	1	1	1	1	0	1	1	1	0	1	1	1
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK														
Dozer Cat D6R	Diesel	185	1	0	0	0	1	1	1	1	1	1	1	1
Generator	Diesel	30	1	0	0	0	2	2	2	2	2	2	2	2
Scraper Cat 623	Diesel	365	1	0	0	0	2	2	2	2	2	2	2	2
Deere 210LE Skip Loader	Diesel	78	1	0	0	0	1	1	1	1	1	1	1	1
Cat 140H Grader	Diesel	185	1	0	0	0	2	2	2	2	2	2	2	2
Roller Vibrator/compactor/other	Diesel	350	1	0	0	0	1	1	1	1	1	1	1	1
Cat BG600D Paver	Diesel	173	1	0	0	0	0	1	1	1	1	0	0	0
PV PANEL CONSTRUCTION														
Generator	Diesel	30	1	0	0	0	0	0	0	0	0	0	0	0
Air Compressor	Diesel	25	1	0	0	0	0	0	0	0	0	0	0	0
Dozer Cat D6R	Diesel	185	1	0	0	0	0	0	0	0	0	0	0	0
Deere 210LE Skip Loader	Diesel	78	1	0	0	0	0	0	0	0	0	0	0	0
Telehandler	Diesel	99	1	0	0	0	0	0	0	0	0	0	0	0
Track Trencher	Diesel	115	1	0	0	0	0	0	0	0	0	0	0	0
Cat 583T Pipelayer	Diesel	310	1	0	0	0	0	0	0	0	0	0	0	0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION														
Generator	Diesel	30	1	0	0	0	0	0	0	0	0	0	0	0
Air Compressor	Diesel	25	1	0	0	0	0	0	0	0	0	0	0	0
Skip Loader	Diesel	78	1	0	0	0	0	0	0	0	0	0	0	0
Crane - Boom Truck	Diesel	250	1	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning														
Cat BG600D Paver	Diesel	173	1	0	0	0	0	0	0	0	0	0	0	0
Roller Vibrator/compactor/other	Diesel	350	1	0	0	0	0	0	0	0	0	0	0	0

Table 11-a
Construction Equipment Numb

Equipment	Number Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION														
Generator	0	1	1	1	0	0	0	0	0	0	0	0	0	0
Skip Loader	0	1	1	1	0	0	0	0	0	0	0	0	0	0
Track Trencher	0	1	1	1	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRAD														
Dozer Cat D6R	1	0	1	1	1	1	1	1	1	1	1	0	1	1
Generator	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Scraper Cat 623	2	0	2	2	2	2	2	2	2	2	2	0	2	2
Deere 210LE Skip Loader	1	0	1	1	1	1	1	1	1	1	1	0	1	1
Cat 140H Grader	2	0	2	2	2	2	2	2	2	2	2	0	2	2
Roller Vibrator/compactor/other	1	0	1	1	1	1	1	1	1	1	1	0	1	1
Cat BG600D Paver	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PV PANEL CONSTRUCTION														
Generator	0	2	2	2	2	2	2	2	2	0	2	2	2	2
Air Compressor	0	2	2	2	2	2	2	2	2	0	2	2	2	2
Dozer Cat D6R	0	1	1	1	1	1	1	1	1	0	1	1	1	1
Deere 210LE Skip Loader	0	1	1	1	1	1	1	1	1	0	1	1	1	1
Telehandler	0	2	2	2	2	2	2	2	2	0	2	2	2	2
Track Trencher	0	1	1	1	1	1	1	1	1	0	1	1	1	1
Cat 583T Pipelayer	0	1	1	1	1	1	1	1	1	0	1	1	1	1
SUBSTATION-BLDG-WATER TA														
Generator	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressor	0	0	0	0	0	0	0	1	1	1	1	0	0	0
Skip Loader	0	0	0	0	0	0	0	1	1	1	1	0	0	0
Crane - Boom Truck	0	0	0	0	0	0	0	1	1	1	1	0	0	0
Testing & Commissioning														
Cat BG600D Paver	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Roller Vibrator/compactor/other	0	0	0	0	0	0	0	0	0	1	1	0	0	0

Table 11-a
Construction Equipment Numb

Equipment	Number Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39
FENCE - MOBILIZATION														
Generator	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Skip Loader	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Track Trencher	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRAD														
Dozer Cat D6R	1	1	1	1	1	1	1	0	1	1	1	1	1	1
Generator	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scraper Cat 623	2	2	2	2	2	2	2	0	2	2	2	2	2	2
Deere 210LE Skip Loader	1	1	1	1	1	1	1	0	1	1	1	1	1	1
Cat 140H Grader	2	2	2	2	2	2	2	0	2	2	2	2	2	2
Roller Vibrator/compactor/other	1	1	1	1	1	1	1	0	1	1	1	1	1	1
Cat BG600D Paver	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PV PANEL CONSTRUCTION														
Generator	2	2	2	2	0	2	2	2	2	2	2	2	2	0
Air Compressor	2	2	2	2	0	2	2	2	2	2	2	2	2	0
Dozer Cat D6R	1	1	1	1	0	1	1	1	1	1	1	1	1	0
Deere 210LE Skip Loader	1	1	1	1	0	1	1	1	1	1	1	1	1	0
Telehandler	2	2	2	2	0	2	2	2	2	2	2	2	2	0
Track Trencher	1	1	1	1	0	1	1	1	1	1	1	1	1	0
Cat 583T Pipelayer	1	1	1	1	0	1	1	1	1	1	1	1	1	0
SUBSTATION-BLDG-WATER TA														
Generator	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Skip Loader	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crane - Boom Truck	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning														
Cat BG600D Paver	0	0	0	0	1	1	0	0	0	0	0	0	0	1
Roller Vibrator/compactor/other	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 11-a
Construction Equipment Numb

Equipment	Number Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION									
Generator	0	0	0	0	0	0	0	0	0
Skip Loader	0	0	0	0	0	0	0	0	0
Track Trencher	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRAD									
Dozer Cat D6R	1	1	1	0	0	0	0	0	0
Generator	0	0	0	0	0	0	0	0	0
Scraper Cat 623	2	2	2	0	0	0	0	0	0
Deere 210LE Skip Loader	1	1	1	0	0	0	0	0	0
Cat 140H Grader	2	2	2	0	0	0	0	0	0
Roller Vibrator/compactor/other	1	1	1	0	0	0	0	0	0
Cat BG600D Paver	0	0	0	0	0	0	0	0	0
PV PANEL CONSTRUCTION									
Generator	2	2	2	2	2	2	2	2	0
Air Compressor	2	2	2	2	2	2	2	2	0
Dozer Cat D6R	1	1	1	1	1	1	1	1	0
Deere 210LE Skip Loader	1	1	1	1	1	1	1	1	0
Telehandler	2	2	2	2	2	2	2	2	0
Track Trencher	1	1	1	1	1	1	1	1	0
Cat 583T Pipelayer	1	1	1	1	1	1	1	1	0
SUBSTATION-BLDG-WATER TA									
Generator	0	0	0	0	0	0	0	0	0
Air Compressor	0	0	0	0	0	0	0	0	0
Skip Loader	0	0	0	0	0	0	0	0	0
Crane - Boom Truck	0	0	0	0	0	0	0	0	0
Testing & Commissioning									
Cat BG600D Paver	1	0	0	0	0	0	0	1	1
Roller Vibrator/compactor/other	0	0	0	0	0	0	0	1	1

Table 11-b
Hourly Construction Equipment Use

Equipment	Hours/Day Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14
FENCE - MOBILIZATION														
Generator	1	1	1	0	1	1	1	0	1	1	1	0	1	1
Skip Loader	1	1	1	0	1	1	1	0	1	1	1	0	1	1
Track Trencher	1	1	1	0	1	1	1	0	1	1	1	0	1	1
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK														
Dozer Cat D6R	0	0	0	1	1	1	1	1	1	1	1	1	0	1
Generator	0	0	0	2	2	2	2	2	2	2	2	2	0	0
Scraper Cat 623	0	0	0	2	2	2	2	2	2	2	2	2	0	2
Deere 210LE Skip Loader	0	0	0	1	1	1	1	1	1	1	1	1	0	1
Cat 140H Grader	0	0	0	2	2	2	2	2	2	2	2	2	0	2
Roller Vibrator/compactor/other	0	0	0	1	1	1	1	1	1	1	1	1	0	1
Cat BG600D Paver	0	0	0	0	1	1	1	1	0	0	0	0	0	0
PV PANEL CONSTRUCTION														
Generator	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Air Compressor	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Dozer Cat D6R	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Deere 210LE Skip Loader	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Telehandler	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Track Trencher	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Cat 583T Pipelayer	0	0	0	0	0	0	0	0	0	0	0	0	1	1
SUBSTATION-BLDG-WATER TANK CONSTRUCTION														
Generator	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Skip Loader	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crane - Boom Truck	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning														
Cat BG600D Paver	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Roller Vibrator/compactor/other	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 11-b
Hourly Construction Equipment

Equipment	Hours/Day													
	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28
FENCE - MOBILIZATION														
Generator	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Skip Loader	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Track Trencher	1	0	0	0	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRAD														
Dozer Cat D6R	1	1	1	1	1	1	1	1	0	1	1	1	1	1
Generator	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scraper Cat 623	2	2	2	2	2	2	2	2	0	2	2	2	2	2
Deere 210LE Skip Loader	1	1	1	1	1	1	1	1	0	1	1	1	1	1
Cat 140H Grader	2	2	2	2	2	2	2	2	0	2	2	2	2	2
Roller Vibrator/compactor/other	1	1	1	1	1	1	1	1	0	1	1	1	1	1
Cat BG600D Paver	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PV PANEL CONSTRUCTION														
Generator	2	2	2	2	2	2	0	2	2	2	2	2	2	2
Air Compressor	2	2	2	2	2	2	0	2	2	2	2	2	2	2
Dozer Cat D6R	1	1	1	1	1	1	0	1	1	1	1	1	1	1
Deere 210LE Skip Loader	1	1	1	1	1	1	0	1	1	1	1	1	1	1
Telehandler	2	2	2	2	2	2	0	2	2	2	2	2	2	2
Track Trencher	1	1	1	1	1	1	0	1	1	1	1	1	1	1
Cat 583T Pipelayer	1	1	1	1	1	1	0	1	1	1	1	1	1	1
SUBSTATION-BLDG-WATER TA														
Generator	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressor	0	0	0	0	1	1	1	1	0	0	0	0	0	0
Skip Loader	0	0	0	0	1	1	1	1	0	0	0	0	0	0
Crane - Boom Truck	0	0	0	0	1	1	1	1	0	0	0	0	0	0
Testing & Commissioning														
Cat BG600D Paver	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Roller Vibrator/compactor/other	0	0	0	0	0	0	1	1	0	0	0	0	0	0

Table 11-b
Hourly Construction Equipment

Equipment	Hours/Day													
	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42
FENCE - MOBILIZATION														
Generator	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Skip Loader	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Track Trencher	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRAD														
Dozer Cat D6R	1	1	1	1	0	1	1	1	1	1	1	1	1	1
Generator	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scraper Cat 623	2	2	2	2	0	2	2	2	2	2	2	2	2	2
Deere 210LE Skip Loader	1	1	1	1	0	1	1	1	1	1	1	1	1	1
Cat 140H Grader	2	2	2	2	0	2	2	2	2	2	2	2	2	2
Roller Vibrator/compactor/other	1	1	1	1	0	1	1	1	1	1	1	1	1	1
Cat BG600D Paver	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PV PANEL CONSTRUCTION														
Generator	2	0	2	2	2	2	2	2	2	2	0	2	2	2
Air Compressor	2	0	2	2	2	2	2	2	2	2	0	2	2	2
Dozer Cat D6R	1	0	1	1	1	1	1	1	1	1	0	1	1	1
Deere 210LE Skip Loader	1	0	1	1	1	1	1	1	1	1	0	1	1	1
Telehandler	2	0	2	2	2	2	2	2	2	2	0	2	2	2
Track Trencher	1	0	1	1	1	1	1	1	1	1	0	1	1	1
Cat 583T Pipelayer	1	0	1	1	1	1	1	1	1	1	0	1	1	1
SUBSTATION-BLDG-WATER TA														
Generator	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Air Compressor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Skip Loader	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crane - Boom Truck	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning														
Cat BG600D Paver	0	1	1	0	0	0	0	0	0	0	1	1	0	0
Roller Vibrator/compactor/other	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 11-b
Hourly Construction Equipment

Equipment	Hours/Day					
	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION						
Generator	0	0	0	0	0	0
Skip Loader	0	0	0	0	0	0
Track Trencher	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRAD						
Dozer Cat D6R	0	0	0	0	0	0
Generator	0	0	0	0	0	0
Scraper Cat 623	0	0	0	0	0	0
Deere 210LE Skip Loader	0	0	0	0	0	0
Cat 140H Grader	0	0	0	0	0	0
Roller Vibrator/compactor/other	0	0	0	0	0	0
Cat BG600D Paver	0	0	0	0	0	0
PV PANEL CONSTRUCTION						
Generator	2	2	2	2	2	0
Air Compressor	2	2	2	2	2	0
Dozer Cat D6R	1	1	1	1	1	0
Deere 210LE Skip Loader	1	1	1	1	1	0
Telehandler	2	2	2	2	2	0
Track Trencher	1	1	1	1	1	0
Cat 583T Pipelayer	1	1	1	1	1	0
SUBSTATION-BLDG-WATER TA						
Generator	0	0	0	0	0	0
Air Compressor	0	0	0	0	0	0
Skip Loader	0	0	0	0	0	0
Crane - Boom Truck	0	0	0	0	0	0
Testing & Commissioning						
Cat BG600D Paver	0	0	0	0	1	1
Roller Vibrator/compactor/other	0	0	0	0	1	1

Table 11-c
Hourly Construction Equipment CO Emissions

Equipment	Emission Factor (lb/hr)	CO Emissions (lb/hr)												
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
FENCE - MOBILIZATION														
Generator	1.82E-01	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0	0.2
Skip Loader	3.93E-01	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.0	0.4
Track Trencher	4.14E-01	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.0	0.4
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK														
Dozer Cat D6R	3.54E-01	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0
Generator	1.82E-01	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0
Scraper Cat 623	6.43E-01	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0
Deere 210LE Skip Loader	3.93E-01	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0
Cat 140H Grader	3.66E-01	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0
Roller Vibrator/compactor/other	4.05E-01	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0
Cat BG600D Paver	7.42E-01	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION														
Generator	1.82E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Air Compressor	5.95E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Dozer Cat D6R	3.54E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Deere 210LE Skip Loader	3.93E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Telehandler	2.21E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Track Trencher	4.14E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Cat 583T Pipelayer	4.72E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
SUBSTATION-BLDG-WATER TANK CONSTRUCTION														
Generator	1.82E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	5.95E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	3.93E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	2.39E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Cat BG600D Paver	7.42E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	4.05E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)		**1.0**	**1.0**	**1.0**	**3.5**	**5.3**	**5.3**	**5.3**	**4.3**	**4.5**	**4.5**	**4.5**	**3.5**	**3.5**

Table 11-c
Hourly Construction Equipment

Equipment	CO Emissions (lb/hr)													
	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27
FENCE - MOBILIZATION														
Generator	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD														
Dozer Cat D6R	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
Deere 210LE Skip Loader	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4
Cat 140H Grader	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7
Roller Vibrator/compactor/other	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION														
Generator	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4
Air Compressor	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Dozer Cat D6R	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4
Deere 210LE Skip Loader	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4
Telehandler	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4
Track Trencher	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4
Cat 583T Pipelayer	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.5	0.5	0.5
SUBSTATION-BLDG-WATER TA														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**6.7**	**6.7**	**5.7**	**5.7**	**5.7**	**6.4**	**6.4**	**5.0**	**7.6**	**2.6**	**5.7**	**5.7**	**5.7**	**5.7**

Table 11-c
Hourly Construction Equipment

Equipment	CO Emissions (lb/hr)													
	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41
FENCE - MOBILIZATION														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD														
Dozer Cat D6R	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Deere 210LE Skip Loader	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Cat 140H Grader	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Roller Vibrator/compactor/other	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION														
Generator	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4
Air Compressor	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
Dozer Cat D6R	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4
Deere 210LE Skip Loader	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4
Telehandler	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4
Track Trencher	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4
Cat 583T Pipelayer	0.5	0.5	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5
SUBSTATION-BLDG-WATER TA														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Cat BG600D Paver	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**5.7**	**5.7**	**3.9**	**6.5**	**5.7**	**2.6**	**5.7**	**5.7**	**5.7**	**5.7**	**5.7**	**3.9**	**6.5**	**5.7**

Table 11-c
Hourly Construction Equipment

Equipment	CO Emissions (lb/hr)						
	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION							
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD							
Dozer Cat D6R	0.4	0.0	0.0	0.0	0.0	0.0	0.0
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	1.3	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	0.4	0.0	0.0	0.0	0.0	0.0	0.0
Cat 140H Grader	0.7	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.4	0.0	0.0	0.0	0.0	0.0	0.0
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION							
Generator	0.4	0.4	0.4	0.4	0.4	0.4	0.0
Air Compressor	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Dozer Cat D6R	0.4	0.4	0.4	0.4	0.4	0.4	0.0
Deere 210LE Skip Loader	0.4	0.4	0.4	0.4	0.4	0.4	0.0
Telehandler	0.4	0.4	0.4	0.4	0.4	0.4	0.0
Track Trencher	0.4	0.4	0.4	0.4	0.4	0.4	0.0
Cat 583T Pipelayer	0.5	0.5	0.5	0.5	0.5	0.5	0.0
SUBSTATION-BLDG-WATER TA							
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning							
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.7	0.7
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.4	0.4
TOTAL (lb/hr)	**5.7**	**2.6**	**2.6**	**2.6**	**2.6**	**3.7**	**1.1**

Table 11-d
Hourly Construction Equipment ROG Emissions

Equipment	Emission Factor (lb/hr)	ROG Emissions (lb/hr)												
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
FENCE - MOBILIZATION														
Generator	1.26E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	4.11E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	5.06E-02	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK														
Dozer Cat D6R	1.43E-01	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Generator	1.26E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	2.72E-01	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0
Deere 210LE Skip Loader	4.11E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 140H Grader	1.48E-01	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
Roller Vibrator/compactor/other	1.30E-01	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Cat BG600D Paver	8.35E-02	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION														
Generator	1.26E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	1.74E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dozer Cat D6R	1.43E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Deere 210LE Skip Loader	4.11E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Telehandler	2.64E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Track Trencher	5.06E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Cat 583T Pipelayer	1.55E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
SUBSTATION-BLDG-WATER TANK CONSTRUCTION														
Generator	1.26E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	1.74E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	4.11E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	9.68E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Cat BG600D Paver	8.35E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	1.30E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)		**0.1**	**0.1**	**0.1**	**1.2**	**1.4**	**1.4**	**1.4**	**1.3**	**1.3**	**1.3**	**1.3**	**1.2**	**0.6**

Table 11-d
Hourly Construction Equipment

Equipment	ROG Emissions (lb/hr)													
	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27
FENCE - MOBILIZATION														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD														
Dozer Cat D6R	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.5
Deere 210LE Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 140H Grader	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3
Roller Vibrator/compactor/other	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dozer Cat D6R	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Deere 210LE Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Telehandler	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Track Trencher	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Cat 583T Pipelayer	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.2
SUBSTATION-BLDG-WATER TA														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**1.8**	**1.8**	**1.7**	**1.7**	**1.7**	**1.8**	**1.8**	**1.5**	**2.0**	**0.5**	**1.7**	**1.7**	**1.7**	**1.7**

Table 11-d
Hourly Construction Equipment

Equipment	ROG Emissions (lb/hr)													
	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41
FENCE - MOBILIZATION														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD														
Dozer Cat D6R	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Deere 210LE Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 140H Grader	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Roller Vibrator/compactor/other	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dozer Cat D6R	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
Deere 210LE Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Telehandler	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
Track Trencher	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
Cat 583T Pipelayer	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2
SUBSTATION-BLDG-WATER TA														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Cat BG600D Paver	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**1.7**	**1.7**	**1.2**	**1.7**	**1.7**	**0.5**	**1.7**	**1.7**	**1.7**	**1.7**	**1.7**	**1.2**	**1.7**	**1.7**

Table 11-d
Hourly Construction Equipment

Equipment	ROG Emissions (lb/hr)						
	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION							
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD							
Dozer Cat D6R	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	0.5	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 140H Grader	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION							
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dozer Cat D6R	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Deere 210LE Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Telehandler	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Track Trencher	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Cat 583T Pipelayer	0.2	0.2	0.2	0.2	0.2	0.2	0.0
SUBSTATION-BLDG-WATER TA							
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning							
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.1	0.1
TOTAL (lb/hr)	**1.7**	**0.5**	**0.5**	**0.5**	**0.5**	**0.7**	**0.2**

Table 11-e
Hourly Construction Equipment NOx Emissions

Equipment	Emission Factor (lb/hr)	NOx Emissions (lb/hr)												
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
FENCE - MOBILIZATION														
Generator	2.57E-01	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0	0.3
Skip Loader	3.18E-01	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0	0.3
Track Trencher	5.95E-01	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.0	0.6
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK														
Dozer Cat D6R	1.42E+00	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0
Generator	2.57E-01	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0
Scraper Cat 623	1.52E+00	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	0.0
Deere 210LE Skip Loader	3.18E-01	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
Cat 140H Grader	1.47E+00	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0
Roller Vibrator/compactor/other	9.78E-01	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0
Cat BG600D Paver	5.80E-01	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION														
Generator	2.57E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Air Compressor	1.10E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Dozer Cat D6R	1.42E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
Deere 210LE Skip Loader	3.18E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Telehandler	1.74E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Track Trencher	5.95E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
Cat 583T Pipelayer	1.14E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
SUBSTATION-BLDG-WATER TANK CONSTRUCTION														
Generator	2.57E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	1.10E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	3.18E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	9.61E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Cat BG600D Paver	5.80E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	9.78E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)		**1.2**	**1.2**	**1.2**	**9.2**	**11.0**	**11.0**	**11.0**	**9.8**	**10.4**	**10.4**	**10.4**	**9.2**	**5.7**

Table 11-e
Hourly Construction Equipment

Equipment	NOx Emissions (lb/hr)													
	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27
FENCE - MOBILIZATION														
Generator	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD														
Dozer Cat D6R	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0	3.0
Deere 210LE Skip Loader	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3
Cat 140H Grader	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	2.9	2.9	2.9	2.9
Roller Vibrator/compactor/other	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION														
Generator	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.5	0.5	0.5
Air Compressor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.2
Dozer Cat D6R	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.4	1.4
Deere 210LE Skip Loader	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.3
Telehandler	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.3
Track Trencher	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	0.6
Cat 583T Pipelayer	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1	1.1	1.1	1.1	1.1
SUBSTATION-BLDG-WATER TA														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**14.4**	**14.4**	**13.3**	**13.3**	**13.3**	**14.6**	**14.6**	**11.6**	**16.2**	**4.6**	**13.3**	**13.3**	**13.3**	**13.3**

Table 11-e
Hourly Construction Equipment

Equipment	NOx Emissions (lb/hr)													
	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41
FENCE - MOBILIZATION														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD														
Dozer Cat D6R	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Deere 210LE Skip Loader	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Cat 140H Grader	2.9	2.9	2.9	2.9	2.9	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Roller Vibrator/compactor/other	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION														
Generator	0.5	0.5	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5
Air Compressor	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2
Dozer Cat D6R	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4
Deere 210LE Skip Loader	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3
Telehandler	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3
Track Trencher	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6
Cat 583T Pipelayer	1.1	1.1	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1
SUBSTATION-BLDG-WATER TA														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Cat BG600D Paver	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**13.3**	**13.3**	**9.3**	**13.8**	**13.3**	**4.6**	**13.3**	**13.3**	**13.3**	**13.3**	**13.3**	**9.3**	**13.8**	**13.3**

Table 11-e
Hourly Construction Equipment

Equipment	NOx Emissions (lb/hr)						
	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION							
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD							
Dozer Cat D6R	1.4	0.0	0.0	0.0	0.0	0.0	0.0
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	3.0	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Cat 140H Grader	2.9	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	1.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION							
Generator	0.5	0.5	0.5	0.5	0.5	0.5	0.0
Air Compressor	0.2	0.2	0.2	0.2	0.2	0.2	0.0
Dozer Cat D6R	1.4	1.4	1.4	1.4	1.4	1.4	0.0
Deere 210LE Skip Loader	0.3	0.3	0.3	0.3	0.3	0.3	0.0
Telehandler	0.3	0.3	0.3	0.3	0.3	0.3	0.0
Track Trencher	0.6	0.6	0.6	0.6	0.6	0.6	0.0
Cat 583T Pipelayer	1.1	1.1	1.1	1.1	1.1	1.1	0.0
SUBSTATION-BLDG-WATER TA							
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning							
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.6	0.6
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	1.0	1.0
TOTAL (lb/hr)	**13.3**	**4.6**	**4.6**	**4.6**	**4.6**	**6.1**	**1.6**

Table 11-f
Hourly Construction Equipment SOx Emissions

Equipment	Emission Factor (lb/hr)	SOx Emissions (lb/hr)												
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
FENCE - MOBILIZATION														
Generator	3.96E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	6.90E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	7.61E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK														
Dozer Cat D6R	1.87E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Generator	3.96E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	3.15E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	6.90E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 140H Grader	1.93E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	2.15E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat BG600D Paver	1.44E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION														
Generator	3.96E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	1.83E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dozer Cat D6R	1.87E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	6.90E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Telehandler	3.66E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	7.61E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 583T Pipelayer	2.49E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION														
Generator	3.96E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	1.83E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	6.90E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	1.26E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Cat BG600D Paver	1.44E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	2.15E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)		**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Table 11-f
Hourly Construction Equipment

Equipment	SOx Emissions (lb/hr)													
	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27
FENCE - MOBILIZATION														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD														
Dozer Cat D6R	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 140H Grader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dozer Cat D6R	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Telehandler	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 583T Pipelayer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TA														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Table 11-f
Hourly Construction Equipment

Equipment	SOx Emissions (lb/hr)													
	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41
FENCE - MOBILIZATION														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD														
Dozer Cat D6R	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 140H Grader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dozer Cat D6R	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Telehandler	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 583T Pipelayer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TA														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Table 11-f
Hourly Construction Equipment

Equipment	SOx Emissions (lb/hr)						
	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION							
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD							
Dozer Cat D6R	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 140H Grader	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION							
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dozer Cat D6R	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Telehandler	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 583T Pipelayer	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TA							
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning							
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Table 11-g
Hourly Construction Equipment PM10 Emissions

Equipment	Emission Factor (lb/hr)	PM10 Emissions (lb/hr)												
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
FENCE - MOBILIZATION														
Generator	8.11E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	2.31E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	3.25E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK														
Dozer Cat D6R	4.19E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Generator	8.11E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	7.98E-02	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
Deere 210LE Skip Loader	2.31E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 140H Grader	4.33E-02	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Roller Vibrator/compactor/other	4.62E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat BG600D Paver	4.02E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION														
Generator	8.11E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	3.86E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dozer Cat D6R	4.19E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	2.31E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Telehandler	1.33E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	3.25E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 583T Pipelayer	5.42E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
SUBSTATION-BLDG-WATER TANK CONSTRUCTION														
Generator	8.11E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	3.86E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	2.31E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	2.83E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Cat BG600D Paver	4.02E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	4.62E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)		**0.1**	**0.1**	**0.1**	**0.4**	**0.5**	**0.5**	**0.5**	**0.4**	**0.4**	**0.4**	**0.4**	**0.4**	**0.3**

Table 11-g
Hourly Construction Equipment

Equipment	PM10 Emissions (lb/hr)													
	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27
FENCE - MOBILIZATION														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD														
Dozer Cat D6R	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2
Deere 210LE Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 140H Grader	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dozer Cat D6R	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Telehandler	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 583T Pipelayer	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
SUBSTATION-BLDG-WATER TA														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**	**0.5**	**0.7**	**0.2**	**0.6**	**0.6**	**0.6**	**0.6**

Table 11-g
Hourly Construction Equipment

Equipment	PM10 Emissions (lb/hr)													
	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41
FENCE - MOBILIZATION														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD														
Dozer Cat D6R	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Deere 210LE Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 140H Grader	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dozer Cat D6R	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Telehandler	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 583T Pipelayer	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
SUBSTATION-BLDG-WATER TA														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**0.6**	**0.6**	**0.4**	**0.6**	**0.6**	**0.2**	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**	**0.4**	**0.6**	**0.6**

Table 11-g
Hourly Construction Equipment

Equipment	PM10 Emissions (lb/hr)						
	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION							
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD							
Dozer Cat D6R	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 140H Grader	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION							
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dozer Cat D6R	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Telehandler	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 583T Pipelayer	0.1	0.1	0.1	0.1	0.1	0.1	0.0
SUBSTATION-BLDG-WATER TA							
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning							
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**0.6**	**0.2**	**0.2**	**0.2**	**0.2**	**0.3**	**0.1**

Table 11-h
Hourly Construction Equipment PM2.5 Emissions

Equipment	Emission Factor (lb/hr)	PM2.5 Emissions (lb/hr)												
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
FENCE - MOBILIZATION														
Generator	7.46E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	2.13E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	2.99E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK														
Dozer Cat D6R	3.86E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Generator	7.46E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	7.35E-02	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Deere 210LE Skip Loader	2.13E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 140H Grader	3.98E-02	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Roller Vibrator/compactor/other	4.25E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat BG600D Paver	3.70E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION														
Generator	7.46E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	3.56E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dozer Cat D6R	3.86E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	2.13E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Telehandler	1.22E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	2.99E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 583T Pipelayer	4.99E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION														
Generator	7.46E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	3.56E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	2.13E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	2.60E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Cat BG600D Paver	3.70E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	4.25E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)		**0.1**	**0.1**	**0.1**	**0.3**	**0.4**	**0.4**	**0.4**	**0.4**	**0.4**	**0.4**	**0.4**	**0.3**	**0.2**

Table 11-h
Hourly Construction Equipment

Equipment	PM2.5 Emissions (lb/hr)													
	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27
FENCE - MOBILIZATION														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD														
Dozer Cat D6R	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Deere 210LE Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 140H Grader	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dozer Cat D6R	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Telehandler	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 583T Pipelayer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TA														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**0.6**	**0.6**	**0.5**	**0.5**	**0.5**	**0.6**	**0.6**	**0.5**	**0.6**	**0.2**	**0.5**	**0.5**	**0.5**	**0.5**

Table 11-h
Hourly Construction Equipment

Equipment	PM2.5 Emissions (lb/hr)													
	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41
FENCE - MOBILIZATION														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD														
Dozer Cat D6R	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Deere 210LE Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 140H Grader	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dozer Cat D6R	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Telehandler	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 583T Pipelayer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TA														
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**0.5**	**0.5**	**0.4**	**0.6**	**0.5**	**0.2**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.4**	**0.6**	**0.5**

Table 11-h
Hourly Construction Equipment

Equipment	PM2.5 Emissions (lb/hr)						
	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION							
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRAD							
Dozer Cat D6R	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scraper Cat 623	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 140H Grader	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION							
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dozer Cat D6R	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deere 210LE Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Telehandler	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Track Trencher	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cat 583T Pipelayer	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TA							
Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air Compressor	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skip Loader	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crane - Boom Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning							
Cat BG600D Paver	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roller Vibrator/compactor/other	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**0.5**	**0.2**	**0.2**	**0.2**	**0.2**	**0.3**	**0.1**

Table 12-a
On-Site Motor Vehicle Numbers

Vehicle Type	Miles/ Hour	Number Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
On-Site Pick Up Truck	6	3	3	3	0	3	3	3	0	3	3	3	0
On-Site Flatbed Delivery Truck	8	2	2	2	0	2	2	2	0	2	2	2	0
5000 gal Water Truck	5	1	1	1	0	1	1	1	0	1	1	1	0
On-Site Service Truck	13	1	1	1	0	1	1	1	0	1	1	1	0
On-Site Lube/Fuel Trucks	8	8	8	8	0	8	8	8	0	8	8	8	0
On-Site Dump Truck	7	1	1	1	0	1	1	1	0	1	1	1	0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
5000 gal Water Truck	5	0	0	0	3	3	3	3	3	3	3	3	3
On-Site Heavy Duty Pick Up Truck	7	0	0	0	2	2	2	2	2	2	2	2	2
On-Site Flatbed Delivery Truck	7	0	0	0	1	1	1	1	1	1	1	1	1
On-Site Lube/Fuel Trucks	8	0	0	0	6	0	0	0	6	6	6	6	6
On-Site Service Truck	8	0	0	0	6	0	0	0	0	0	0	0	0
On-Site Dump Truck	7	0	0	0	10	10	10	10	10	4	4	4	4
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	8	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Heavy Duty Pick Up Truck	7	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	8	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Service Truck	8	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	7	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Lube/Fuel Trucks	8	0	0	0	0	0	0	0	0	0	0	0	0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
On-Site Heavy Duty Pick Up Truck	7	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	7	0	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	7	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Service Truck	8	0	0	0	0	0	0	0	0	0	0	0	0

Table 12-a
On-Site Motor Vehicle Numbers

Vehicle Type	Number												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
On-Site Pick Up Truck	3	3	3	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	2	2	2	0	0	0	0	0	0	0	0	0	0
5000 gal Water Truck	1	1	1	0	0	0	0	0	0	0	0	0	0
On-Site Service Truck	1	1	1	0	0	0	0	0	0	0	0	0	0
On-Site Lube/Fuel Trucks	8	8	8	0	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	1	1	1	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0	3	3	3	3	3	3	3	3	3	0	3	3
On-Site Heavy Duty Pick Up Truck	0	2	2	2	2	2	2	2	2	2	0	2	2
On-Site Flatbed Delivery Truck	0	1	1	1	1	1	1	1	1	1	0	1	1
On-Site Lube/Fuel Trucks	0	0	0	6	6	6	6	6	6	6	0	6	6
On-Site Service Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	0	4	4	4	4	4	4	4	4	4	0	4	4
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	3	3	3	3	3	3	3	3	0	3	3	3	3
On-Site Heavy Duty Pick Up Truck	1	1	1	1	1	1	1	1	0	1	1	1	1
On-Site Flatbed Delivery Truck	2	2	2	2	2	2	2	2	0	2	2	2	2
On-Site Service Truck	2	2	2	2	2	2	2	2	0	2	2	2	2
On-Site Dump Truck	1	1	1	1	1	1	1	1	0	1	1	1	1
On-Site Lube/Fuel Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0	0	0	0	0	0	1	1	1	1	0	0	0
On-Site Flatbed Delivery Truck	0	0	0	0	0	0	1	1	1	1	0	0	0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0	0	0	0	0	0	0	1	1	1	0	0	0
On-Site Service Truck	0	0	0	0	0	0	0	2	2	2	0	0	0

Table 12-a
On-Site Motor Vehicle Numbers

Vehicle Type	Number												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
5000 gal Water Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Service Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Lube/Fuel Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	3	3	3	3	3	3	3	0	3	3	3	3	3
On-Site Heavy Duty Pick Up Truck	2	2	2	2	2	2	2	0	2	2	2	2	2
On-Site Flatbed Delivery Truck	1	1	1	1	1	1	1	0	1	1	1	1	1
On-Site Lube/Fuel Trucks	6	6	6	6	6	6	6	0	6	6	6	6	6
On-Site Service Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	4	4	4	4	4	4	4	0	5	5	5	5	5
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	3	3	3	3	0	3	3	3	3	3	3	3	3
On-Site Heavy Duty Pick Up Truck	1	1	1	1	0	1	1	1	1	1	1	1	1
On-Site Flatbed Delivery Truck	2	2	2	2	0	2	2	2	2	2	2	2	2
On-Site Service Truck	2	2	2	2	0	2	2	2	2	2	2	2	2
On-Site Dump Truck	1	1	1	1	0	1	1	1	1	1	1	1	1
On-Site Lube/Fuel Trucks	0	0	0	0	0	0	0	0	0	0	0	8	8
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0	0	0	1	1	1	0	0	0	0	0	0	1
On-Site Service Truck	0	0	0	2	2	2	0	0	0	0	0	0	2

Table 12-a
On-Site Motor Vehicle Numbers

Vehicle Type	Number									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
On-Site Pick Up Truck	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	0	0	0	0	0	0	0	0	0	0
5000 gal Water Truck	0	0	0	0	0	0	0	0	0	0
On-Site Service Truck	0	0	0	0	0	0	0	0	0	0
On-Site Lube/Fuel Trucks	0	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING										
5000 gal Water Truck	3	3	3	3	0	0	0	0	0	0
On-Site Heavy Duty Pick Up Truck	2	2	2	2	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	1	1	1	1	0	0	0	0	0	0
On-Site Lube/Fuel Trucks	6	6	6	6	0	0	0	0	0	0
On-Site Service Truck	0	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	5	5	5	5	0	0	0	0	0	0
PV PANEL CONSTRUCTION										
On-Site Pick Up Truck	0	3	3	3	3	3	3	3	3	0
On-Site Heavy Duty Pick Up Truck	0	1	1	1	1	1	1	1	1	0
On-Site Flatbed Delivery Truck	0	2	2	2	2	2	2	2	2	0
On-Site Service Truck	0	2	2	2	2	2	2	2	2	0
On-Site Dump Truck	0	1	1	1	1	1	1	1	1	0
On-Site Lube/Fuel Trucks	0	8	8	8	8	8	8	8	8	0
SUBSTATION-BLDG-WATER TANK										
On-Site Heavy Duty Pick Up Truck	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning										
On-Site Heavy Duty Pick Up Truck	1	1	0	0	0	0	0	1	1	1
On-Site Service Truck	2	2	0	0	0	0	0	2	2	2

Table 12-b
Hourly On-Site Motor Vehicle Use

Vehicle Type	Miles/Hour												
	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
FENCE - MOBILIZATION													
On-Site Pick Up Truck	18	18	18	0	18	18	18	0	18	18	18	0	18
On-Site Flatbed Delivery Truck	16	16	16	0	16	16	16	0	16	16	16	0	16
5000 gal Water Truck	5	5	5	0	5	5	5	0	5	5	5	0	5
On-Site Service Truck	13	13	13	0	13	13	13	0	13	13	13	0	13
On-Site Lube/Fuel Trucks	64	64	64	0	64	64	64	0	64	64	64	0	64
On-Site Dump Truck	7	7	7	0	7	7	7	0	7	7	7	0	7
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
5000 gal Water Truck	0	0	0	15	15	15	15	15	15	15	15	15	0
On-Site Heavy Duty Pick Up Truck	0	0	0	14	14	14	14	14	14	14	14	14	0
On-Site Flatbed Delivery Truck	0	0	0	7	7	7	7	7	7	7	7	7	0
On-Site Lube/Fuel Trucks	0	0	0	48	0	0	0	48	48	48	48	48	0
On-Site Service Truck	0	0	0	48	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	0	0	0	70	70	70	70	70	28	28	28	28	0
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	0	0	0	0	0	0	0	0	0	0	0	0	24
On-Site Heavy Duty Pick Up Truck	0	0	0	0	0	0	0	0	0	0	0	0	7
On-Site Flatbed Delivery Truck	0	0	0	0	0	0	0	0	0	0	0	0	16
On-Site Service Truck	0	0	0	0	0	0	0	0	0	0	0	0	16
On-Site Dump Truck	0	0	0	0	0	0	0	0	0	0	0	0	7
On-Site Lube/Fuel Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
On-Site Heavy Duty Pick Up Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Service Truck	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 12-b
Hourly On-Site Motor Vehicle Use

Vehicle Type	Miles/Hour												
	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26
FENCE - MOBILIZATION													
On-Site Pick Up Truck	18	18	0	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	16	16	0	0	0	0	0	0	0	0	0	0	0
5000 gal Water Truck	5	5	0	0	0	0	0	0	0	0	0	0	0
On-Site Service Truck	13	13	0	0	0	0	0	0	0	0	0	0	0
On-Site Lube/Fuel Trucks	64	64	0	0	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	7	7	0	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	15	15	15	15	15	15	15	15	15	0	15	15	15
On-Site Heavy Duty Pick Up Truck	14	14	14	14	14	14	14	14	14	0	14	14	14
On-Site Flatbed Delivery Truck	7	7	7	7	7	7	7	7	7	0	7	7	7
On-Site Lube/Fuel Trucks	0	0	48	48	48	48	48	48	48	0	48	48	48
On-Site Service Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	28	28	28	28	28	28	28	28	28	0	28	28	28
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	24	24	24	24	24	24	24	0	24	24	24	24	24
On-Site Heavy Duty Pick Up Truck	7	7	7	7	7	7	7	0	7	7	7	7	7
On-Site Flatbed Delivery Truck	16	16	16	16	16	16	16	0	16	16	16	16	16
On-Site Service Truck	16	16	16	16	16	16	16	0	16	16	16	16	16
On-Site Dump Truck	7	7	7	7	7	7	7	0	7	7	7	7	7
On-Site Lube/Fuel Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0	0	0	0	0	7	7	7	7	0	0	0	0
On-Site Flatbed Delivery Truck	0	0	0	0	0	7	7	7	7	0	0	0	0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0	0	0	0	0	0	7	7	7	0	0	0	0
On-Site Service Truck	0	0	0	0	0	0	16	16	16	0	0	0	0

Table 12-b
Hourly On-Site Motor Vehicle Use

Vehicle Type	Miles/Hour												
	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
5000 gal Water Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Service Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Lube/Fuel Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	15	15	15	15	15	15	0	15	15	15	15	15	15
On-Site Heavy Duty Pick Up Truck	14	14	14	14	14	14	0	14	14	14	14	14	14
On-Site Flatbed Delivery Truck	7	7	7	7	7	7	0	7	7	7	7	7	7
On-Site Lube/Fuel Trucks	48	48	48	48	48	48	0	48	48	48	48	48	48
On-Site Service Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	28	28	28	28	28	28	0	35	35	35	35	35	35
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	24	24	24	0	24	24	24	24	24	24	24	24	0
On-Site Heavy Duty Pick Up Truck	7	7	7	0	7	7	7	7	7	7	7	7	0
On-Site Flatbed Delivery Truck	16	16	16	0	16	16	16	16	16	16	16	16	0
On-Site Service Truck	16	16	16	0	16	16	16	16	16	16	16	16	0
On-Site Dump Truck	7	7	7	0	7	7	7	7	7	7	7	7	0
On-Site Lube/Fuel Trucks	0	0	0	0	0	0	0	0	0	0	64	64	0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	0	0	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0	0	7	7	7	0	0	0	0	0	0	7	7
On-Site Service Truck	0	0	16	16	16	0	0	0	0	0	0	16	16

Table 12-b
Hourly On-Site Motor Vehicle Use

Vehicle Type	Miles/Hour								
	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION									
On-Site Pick Up Truck	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	0	0	0	0	0	0	0	0	0
5000 gal Water Truck	0	0	0	0	0	0	0	0	0
On-Site Service Truck	0	0	0	0	0	0	0	0	0
On-Site Lube/Fuel Trucks	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING									
5000 gal Water Truck	15	15	15	0	0	0	0	0	0
On-Site Heavy Duty Pick Up Truck	14	14	14	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	7	7	7	0	0	0	0	0	0
On-Site Lube/Fuel Trucks	48	48	48	0	0	0	0	0	0
On-Site Service Truck	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	35	35	35	0	0	0	0	0	0
PV PANEL CONSTRUCTION									
On-Site Pick Up Truck	24	24	24	24	24	24	24	24	0
On-Site Heavy Duty Pick Up Truck	7	7	7	7	7	7	7	7	0
On-Site Flatbed Delivery Truck	16	16	16	16	16	16	16	16	0
On-Site Service Truck	16	16	16	16	16	16	16	16	0
On-Site Dump Truck	7	7	7	7	7	7	7	7	0
On-Site Lube/Fuel Trucks	64	64	64	64	64	64	64	64	0
SUBSTATION-BLDG-WATER TANK									
On-Site Heavy Duty Pick Up Truck	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	0	0	0	0	0	0	0	0	0
Testing & Commissioning									
On-Site Heavy Duty Pick Up Truck	7	0	0	0	0	0	7	7	7
On-Site Service Truck	16	0	0	0	0	0	16	16	16

Table 12-c
Hourly On-Site Motor Vehicle CO Emissions

Vehicle Type	Emission Factor (lb/mi)	CO Emissions (lb/hr) Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
On-Site Pick Up Truck	1.85E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	1.40E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	3.25E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	1.85E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	1.85E-03	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0
On-Site Dump Truck	1.40E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
5000 gal Water Truck	3.25E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	1.85E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	1.40E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	1.85E-03	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
On-Site Service Truck	1.85E-03	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	1.40E-03	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	1.85E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	1.85E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	1.40E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	1.85E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	1.40E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	1.85E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
On-Site Heavy Duty Pick Up Truck	1.85E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	1.40E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	1.85E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	1.85E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)		**0.2**	**0.2**	**0.2**	**0.4**	**0.4**	**0.4**	**0.4**	**0.3**	**0.4**	**0.4**	**0.4**	**0.2**

Table 12-c
Hourly On-Site Motor Vehicle CO E

Vehicle Type	CO Emissions (lb/hr)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**0.3**	**0.5**	**0.5**	**0.3**	**0.3**	**0.3**	**0.4**	**0.4**	**0.3**	**0.4**	**0.1**	**0.3**	**0.3**

Table 12-c
Hourly On-Site Motor Vehicle CO E

Vehicle Type	CO Emissions (lb/hr)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**0.3**	**0.3**	**0.3**	**0.4**	**0.3**	**0.4**	**0.3**	**0.1**	**0.3**	**0.3**	**0.3**	**0.5**	**0.5**

Table 12-c
Hourly On-Site Motor Vehicle CO E

Vehicle Type	CO Emissions (lb/hr)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING										
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
SUBSTATION-BLDG-WATER TANK										
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**0.3**	**0.5**	**0.5**	**0.5**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.0**

Table 12-d
Hourly On-Site Motor Vehicle ROG Emissions

Vehicle Type	Emission Factor (lb/mi)	ROG Emissions (lb/hr) Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
On-Site Pick Up Truck	4.13E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	3.72E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	7.11E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	4.13E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	4.13E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	3.72E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
5000 gal Water Truck	7.11E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	4.13E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	3.72E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	4.13E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	4.13E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	3.72E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	4.13E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	4.13E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	3.72E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	4.13E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	3.72E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	4.13E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
On-Site Heavy Duty Pick Up Truck	4.13E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	3.72E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	4.13E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	4.13E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)		**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0**

Table 12-d
Hourly On-Site Motor Vehicle ROG

Vehicle Type	ROG Emissions (lb/hr)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0**	**0.1**	**0.1**

Table 12-d
Hourly On-Site Motor Vehicle ROG

Vehicle Type	ROG Emissions (lb/hr)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Table 12-d
Hourly On-Site Motor Vehicle ROG

Vehicle Type	ROG Emissions (lb/hr)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING										
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK										
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0**

Table 12-e
Hourly On-Site Motor Vehicle NOx Emissions

Vehicle Type	Emission Factor (lb/mi)	NOx Emissions (lb/hr) Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
On-Site Pick Up Truck	9.80E-03	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0
On-Site Flatbed Delivery Truck	1.61E-02	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0
5000 gal Water Truck	2.48E-02	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0
On-Site Service Truck	9.80E-03	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0
On-Site Lube/Fuel Trucks	9.80E-03	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.0
On-Site Dump Truck	1.61E-02	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
5000 gal Water Truck	2.48E-02	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
On-Site Heavy Duty Pick Up Truck	9.80E-03	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
On-Site Flatbed Delivery Truck	1.61E-02	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
On-Site Lube/Fuel Trucks	9.80E-03	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
On-Site Service Truck	9.80E-03	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	1.61E-02	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	0.5	0.5	0.5	0.5
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	9.80E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	9.80E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	1.61E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	9.80E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	1.61E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	9.80E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
On-Site Heavy Duty Pick Up Truck	9.80E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	1.61E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	9.80E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	9.80E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)		**1.4**	**1.4**	**1.4**	**2.7**	**3.2**	**3.2**	**3.2**	**2.2**	**3.0**	**3.0**	**3.0**	**1.5**

Table 12-e
Hourly On-Site Motor Vehicle NOx I

Vehicle Type	NOx Emissions (lb/hr)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4
On-Site Heavy Duty Pick Up Truck	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
On-Site Flatbed Delivery Truck	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2
On-Site Heavy Duty Pick Up Truck	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
On-Site Flatbed Delivery Truck	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3
On-Site Service Truck	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2
On-Site Dump Truck	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0
TOTAL (lb/hr)	**2.3**	**3.3**	**3.3**	**2.4**	**2.4**	**2.4**	**2.6**	**2.8**	**2.0**	**2.8**	**0.8**	**2.4**	**2.4**

Table 12-e
Hourly On-Site Motor Vehicle NOx I

Vehicle Type	NOx Emissions (lb/hr)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4
On-Site Heavy Duty Pick Up Truck	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1
On-Site Flatbed Delivery Truck	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1
On-Site Lube/Fuel Trucks	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.5	0.5
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.6	0.6	0.6	0.6	0.6
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
On-Site Heavy Duty Pick Up Truck	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
On-Site Flatbed Delivery Truck	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
On-Site Service Truck	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
On-Site Dump Truck	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
On-Site Service Truck	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
TOTAL (lb/hr)	**2.4**	**2.4**	**2.4**	**2.6**	**1.8**	**2.6**	**2.4**	**0.8**	**2.5**	**2.5**	**2.5**	**3.1**	**3.3**

Table 12-e
Hourly On-Site Motor Vehicle NOx I

Vehicle Type	NOx Emissions (lb/hr)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING										
5000 gal Water Truck	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
On-Site Pick Up Truck	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
On-Site Flatbed Delivery Truck	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
On-Site Service Truck	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
On-Site Dump Truck	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
On-Site Lube/Fuel Trucks	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0
SUBSTATION-BLDG-WATER TANK										
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
On-Site Heavy Duty Pick Up Truck	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
On-Site Service Truck	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
TOTAL (lb/hr)	**1.9**	**3.3**	**3.1**	**3.1**	**1.5**	**1.5**	**1.5**	**1.7**	**1.7**	**0.2**

Table 12-f
Hourly On-Site Motor Vehicle SOx Emissions

Vehicle Type	Emission Factor (lb/mi)	SOx Emissions (lb/hr)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
On-Site Pick Up Truck	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	2.29E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	3.56E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	2.29E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
5000 gal Water Truck	3.56E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	2.29E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	2.29E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	2.29E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	2.29E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
On-Site Heavy Duty Pick Up Truck	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	2.29E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)		**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Table 12-f
Hourly On-Site Motor Vehicle SOx E

Vehicle Type	SOx Emissions (lb/hr)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Table 12-f
Hourly On-Site Motor Vehicle SOx E

Vehicle Type	SOx Emissions (lb/hr)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Table 12-f
Hourly On-Site Motor Vehicle SOx E

Vehicle Type	SOx Emissions (lb/hr)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING										
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK										
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Table 12-g
Hourly On-Site Motor Vehicle Exhaust PM10 Emissions

Vehicle Type	Emission Factor (lb/mi)	Exhaust PM10 Emissions (lb/hr)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
On-Site Pick Up Truck	4.25E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	2.98E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	4.90E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	4.25E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	4.25E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	2.98E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
5000 gal Water Truck	4.90E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	4.25E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	2.98E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	4.25E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	4.25E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	2.98E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	4.25E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	4.25E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	2.98E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	4.25E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	2.98E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	4.25E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
On-Site Heavy Duty Pick Up Truck	4.25E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	2.98E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	4.25E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	4.25E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)		**0.0**	**0.0**	**0.0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0**

Table 12-g
Hourly On-Site Motor Vehicle Exha

Vehicle Type	Exhaust PM10 Emissions (lb/hr)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0**	**0.1**	**0.1**

Table 12-g
Hourly On-Site Motor Vehicle Exha

Vehicle Type	Exhaust PM10 Emissions (lb/hr)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Table 12-g
Hourly On-Site Motor Vehicle Exha

Vehicle Type	Exhaust PM10 Emissions (lb/hr)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING										
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK										
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0**

Table 12-h
Hourly On-Site Motor Vehicle Exhaust PM2.5 Emissions

Vehicle Type	Emission Factor (lb/mi)	Exhaust PM2.5 Emissions (lb/hr)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
On-Site Pick Up Truck	3.91E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	2.74E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	4.51E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	3.91E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	3.91E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	2.74E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
5000 gal Water Truck	4.51E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	3.91E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	2.74E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	3.91E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	3.91E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	2.74E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	3.91E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	3.91E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	2.74E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	3.91E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	2.74E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	3.91E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
On-Site Heavy Duty Pick Up Truck	3.91E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	2.74E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	3.91E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	3.91E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)		**0.0**	**0.0**	**0.0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0**

Table 12-h
Hourly On-Site Motor Vehicle Exha

Vehicle Type	Exhaust PM2.5 Emissions (lb/hr)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0**	**0.1**	**0.1**

Table 12-h
Hourly On-Site Motor Vehicle Exha

Vehicle Type	Exhaust PM2.5 Emissions (lb/hr)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**0.1**	**0.1**	**0.1**	**0.1**	**0.0**	**0.1**	**0.1**	**0.0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Table 12-h
Hourly On-Site Motor Vehicle Exha

Vehicle Type	Exhaust PM2.5 Emissions (lb/hr)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING										
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK										
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**0.1**	**0.1**	**0.1**	**0.1**	**0.0**	**0.0**	**0.0**	**0.1**	**0.1**	**0.0**

Table 12-i
Hourly On-Site Motor Vehicle Fugitive PM10 Emissions

Vehicle Type	Emission Factor (lb/mi)	Fugitive PM10 Emissions (lb/hr)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
On-Site Pick Up Truck	7.23E-01	13.0	13.0	13.0	0.0	13.0	13.0	13.0	0.0	13.0	13.0	13.0	0.0
On-Site Flatbed Delivery Truck	8.49E-01	13.6	13.6	13.6	0.0	13.6	13.6	13.6	0.0	13.6	13.6	13.6	0.0
5000 gal Water Truck	2.15E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	7.23E-01	9.4	9.4	9.4	0.0	9.4	9.4	9.4	0.0	9.4	9.4	9.4	0.0
On-Site Lube/Fuel Trucks	7.23E-01	46.3	46.3	46.3	0.0	46.3	46.3	46.3	0.0	46.3	46.3	46.3	0.0
On-Site Dump Truck	8.49E-01	5.9	5.9	5.9	0.0	5.9	5.9	5.9	0.0	5.9	5.9	5.9	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
5000 gal Water Truck	2.15E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	7.23E-01	0.0	0.0	0.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
On-Site Flatbed Delivery Truck	8.49E-01	0.0	0.0	0.0	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
On-Site Lube/Fuel Trucks	7.23E-01	0.0	0.0	0.0	34.7	0.0	0.0	0.0	34.7	34.7	34.7	34.7	34.7
On-Site Service Truck	7.23E-01	0.0	0.0	0.0	34.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	8.49E-01	0.0	0.0	0.0	59.4	59.4	59.4	59.4	59.4	23.8	23.8	23.8	23.8
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	7.23E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	7.23E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	8.49E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	7.23E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	8.49E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	7.23E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
On-Site Heavy Duty Pick Up Truck	7.23E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	8.49E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	7.23E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	7.23E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)		**88.2**	**88.2**	**88.2**	**144.8**	**163.6**	**163.6**	**163.6**	**110.2**	**162.7**	**162.7**	**162.7**	**74.5**

Table 12-i
Hourly On-Site Motor Vehicle Fugit

Vehicle Type	Fugitive PM10 Emissions (lb/hr)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
On-Site Pick Up Truck	13.0	13.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	13.6	13.6	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	9.4	9.4	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	46.3	46.3	46.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	5.9	5.9	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	0.0	10.1	10.1
On-Site Flatbed Delivery Truck	0.0	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	0.0	5.9	5.9
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	34.7	34.7	34.7	34.7	34.7	34.7	34.7	0.0	34.7	34.7
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	0.0	23.8	23.8
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	0.0	17.3	17.3	17.3	17.3
On-Site Heavy Duty Pick Up Truck	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	0.0	5.1	5.1	5.1	5.1
On-Site Flatbed Delivery Truck	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	0.0	13.6	13.6	13.6	13.6
On-Site Service Truck	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	0.0	11.6	11.6	11.6	11.6
On-Site Dump Truck	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	0.0	5.9	5.9	5.9	5.9
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	5.1	5.1	5.1	5.1	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	5.9	5.9	5.9	5.9	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	5.1	5.1	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6	11.6	11.6	0.0	0.0	0.0
TOTAL (lb/hr)	**141.7**	**181.5**	**181.5**	**128.0**	**128.0**	**128.0**	**139.0**	**155.6**	**102.1**	**155.6**	**53.5**	**128.0**	**128.0**

Table 12-i
Hourly On-Site Motor Vehicle Fugit

Vehicle Type	Fugitive PM10 Emissions (lb/hr)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	10.1	10.1	10.1	10.1	10.1	10.1	10.1	0.0	10.1	10.1	10.1	10.1	10.1
On-Site Flatbed Delivery Truck	5.9	5.9	5.9	5.9	5.9	5.9	5.9	0.0	5.9	5.9	5.9	5.9	5.9
On-Site Lube/Fuel Trucks	34.7	34.7	34.7	34.7	34.7	34.7	34.7	0.0	34.7	34.7	34.7	34.7	34.7
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	23.8	23.8	23.8	23.8	23.8	23.8	23.8	0.0	29.7	29.7	29.7	29.7	29.7
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	17.3	17.3	17.3	17.3	0.0	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
On-Site Heavy Duty Pick Up Truck	5.1	5.1	5.1	5.1	0.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
On-Site Flatbed Delivery Truck	13.6	13.6	13.6	13.6	0.0	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
On-Site Service Truck	11.6	11.6	11.6	11.6	0.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
On-Site Dump Truck	5.9	5.9	5.9	5.9	0.0	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.3	46.3
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	5.1	5.1	5.1	0.0	0.0	0.0	0.0	0.0	0.0	5.1
On-Site Service Truck	0.0	0.0	0.0	11.6	11.6	11.6	0.0	0.0	0.0	0.0	0.0	0.0	11.6
TOTAL (lb/hr)	**128.0**	**128.0**	**128.0**	**144.6**	**91.1**	**144.6**	**128.0**	**53.5**	**133.9**	**133.9**	**133.9**	**180.2**	**196.8**

Table 12-i
Hourly On-Site Motor Vehicle Fugit

Vehicle Type	Fugitive PM10 Emissions (lb/hr)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING										
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	10.1	10.1	10.1	10.1	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	5.9	5.9	5.9	5.9	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	34.7	34.7	34.7	34.7	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	29.7	29.7	29.7	29.7	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
On-Site Pick Up Truck	0.0	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	0.0
On-Site Heavy Duty Pick Up Truck	0.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	0.0
On-Site Flatbed Delivery Truck	0.0	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	0.0
On-Site Service Truck	0.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	0.0
On-Site Dump Truck	0.0	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	0.0
On-Site Lube/Fuel Trucks	0.0	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	0.0
SUBSTATION-BLDG-WATER TANK										
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
On-Site Heavy Duty Pick Up Truck	5.1	5.1	0.0	0.0	0.0	0.0	0.0	5.1	5.1	5.1
On-Site Service Truck	11.6	11.6	0.0	0.0	0.0	0.0	0.0	11.6	11.6	11.6
TOTAL (lb/hr)	**97.1**	**196.8**	**180.2**	**180.2**	**99.7**	**99.7**	**99.7**	**116.4**	**116.4**	**16.6**

Table 12-j
Hourly On-Site Motor Vehicle Fugitive PM2.5 Emissions

Vehicle Type	Emission Factor (lb/mi)	Fugitive PM2.5 Emissions (lb/hr)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
On-Site Pick Up Truck	7.24E-02	1.3	1.3	1.3	0.0	1.3	1.3	1.3	0.0	1.3	1.3	1.3	0.0
On-Site Flatbed Delivery Truck	8.50E-02	1.4	1.4	1.4	0.0	1.4	1.4	1.4	0.0	1.4	1.4	1.4	0.0
5000 gal Water Truck	7.82E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	7.24E-02	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.0
On-Site Lube/Fuel Trucks	7.24E-02	4.6	4.6	4.6	0.0	4.6	4.6	4.6	0.0	4.6	4.6	4.6	0.0
On-Site Dump Truck	8.50E-02	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
5000 gal Water Truck	7.82E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	7.24E-02	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
On-Site Flatbed Delivery Truck	8.50E-02	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
On-Site Lube/Fuel Trucks	7.24E-02	0.0	0.0	0.0	3.5	0.0	0.0	0.0	3.5	3.5	3.5	3.5	3.5
On-Site Service Truck	7.24E-02	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	8.50E-02	0.0	0.0	0.0	5.9	5.9	5.9	5.9	5.9	2.4	2.4	2.4	2.4
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	7.24E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	7.24E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	8.50E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	7.24E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	8.50E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	7.24E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
On-Site Heavy Duty Pick Up Truck	7.24E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	8.50E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	7.24E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	7.24E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)		**8.8**	**8.8**	**8.8**	**14.5**	**16.4**	**16.4**	**16.4**	**11.0**	**16.3**	**16.3**	**16.3**	**7.5**

Table 12-j
Hourly On-Site Motor Vehicle Fugit

Vehicle Type	Fugitive PM2.5 Emissions (lb/hr)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
On-Site Pick Up Truck	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	4.6	4.6	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0
On-Site Flatbed Delivery Truck	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	3.5	3.5	3.5	3.5	3.5	3.5	3.5	0.0	3.5	3.5
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	0.0	2.4	2.4
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7
On-Site Heavy Duty Pick Up Truck	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.5
On-Site Flatbed Delivery Truck	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
On-Site Service Truck	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2
On-Site Dump Truck	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	0.0	0.0	0.0
TOTAL (lb/hr)	**14.2**	**18.2**	**18.2**	**12.8**	**12.8**	**12.8**	**13.9**	**15.6**	**10.2**	**15.6**	**5.4**	**12.8**	**12.8**

Table 12-j
Hourly On-Site Motor Vehicle Fugit

Vehicle Type	Fugitive PM2.5 Emissions (lb/hr)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING													
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0
On-Site Flatbed Delivery Truck	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6
On-Site Lube/Fuel Trucks	3.5	3.5	3.5	3.5	3.5	3.5	3.5	0.0	3.5	3.5	3.5	3.5	3.5
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	2.4	2.4	2.4	2.4	2.4	2.4	2.4	0.0	3.0	3.0	3.0	3.0	3.0
PV PANEL CONSTRUCTION													
On-Site Pick Up Truck	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
On-Site Heavy Duty Pick Up Truck	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
On-Site Flatbed Delivery Truck	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
On-Site Service Truck	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
On-Site Dump Truck	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	4.6
SUBSTATION-BLDG-WATER TANK													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
On-Site Service Truck	0.0	0.0	0.0	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2
TOTAL (lb/hr)	**12.8**	**12.8**	**12.8**	**14.5**	**9.1**	**14.5**	**12.8**	**5.4**	**13.4**	**13.4**	**13.4**	**18.0**	**19.7**

Table 12-j
Hourly On-Site Motor Vehicle Fugit

Vehicle Type	Fugitive PM2.5 Emissions (lb/hr)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
On-Site Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING										
5000 gal Water Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Heavy Duty Pick Up Truck	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Lube/Fuel Trucks	3.5	3.5	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Service Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Dump Truck	3.0	3.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
On-Site Pick Up Truck	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0
On-Site Heavy Duty Pick Up Truck	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0
On-Site Flatbed Delivery Truck	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0
On-Site Service Truck	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0
On-Site Dump Truck	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0
On-Site Lube/Fuel Trucks	0.0	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	0.0
SUBSTATION-BLDG-WATER TANK										
On-Site Heavy Duty Pick Up Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Flatbed Delivery Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
On-Site Heavy Duty Pick Up Truck	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
On-Site Service Truck	1.2	1.2	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
TOTAL (lb/hr)	**9.7**	**19.7**	**18.0**	**18.0**	**10.0**	**10.0**	**10.0**	**11.7**	**11.7**	**1.7**

Table 13-a
Hourly Earthwork Quantities

Type	Units	Amount											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
Cut[a]	CY/Hr	0.63	0.63	0.63	0.00	0.63	0.63	0.63	0.00	0.63	0.63	0.63	0.00
Fill[a]	CY/Hr	0.63	0.63	0.63	0.00	0.63	0.63	0.63	0.00	0.63	0.63	0.63	0.00
Total Cut and Fill	CY/Hr	1.25	1.25	1.25	0.00	1.25	1.25	1.25	0.00	1.25	1.25	1.25	0.00
Bulldozing, Scraping and Grading	Hr/Hr	0	0	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
Cut[a]	CY/Hr	0.00	0.00	0.00	72.75	72.75	72.75	72.75	72.75	72.75	72.75	72.75	72.75
Fill[a]	CY/Hr	0.00	0.00	0.00	55.63	55.63	55.63	55.63	55.63	55.63	55.63	55.63	55.63
Total Cut and Fill	CY/Hr	0.00	0.00	0.00	128.38	128.38	128.38	128.38	128.38	128.38	128.38	128.38	128.38
Bulldozing, Scraping and Grading	Hr/Hr	0	0	0	5	5	5	5	5	5	5	5	5
PV PANEL CONSTRUCTION													
Cut[a]	CY/Hr	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fill[a]	CY/Hr	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Cut and Fill	CY/Hr	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bulldozing, Scraping and Grading	Hr/Hr	0	0	0	0	0	0	0	0	0	0	0	0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
Cut[a]	CY/Hr	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fill[a]	CY/Hr	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Cut and Fill	CY/Hr	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bulldozing, Scraping and Grading	Hr/Hr	0	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning													
Cut[a]	CY/Hr	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fill[a]	CY/Hr	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Cut and Fill	CY/Hr	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bulldozing, Scraping and Grading	Hr/Hr	0	0	0	0	0	0	0	0	0	0	0	0

[a] Hourly quantity = Daily quantity / 8 working hr/day

Table 13-a
Hourly Earthwork Quantities

Type	Amount												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
Cut[a]	0.63	0.63	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fill[a]	0.63	0.63	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Cut and Fill	1.25	1.25	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bulldozing, Scraping and Grading	0	0	0	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING/RO													
Cut[a]	0.00	72.75	72.75	72.75	72.75	72.75	72.75	72.75	72.75	72.75	0.00	72.75	72.75
Fill[a]	0.00	55.63	55.63	55.63	55.63	55.63	55.63	55.63	55.63	55.63	0.00	55.63	55.63
Total Cut and Fill	0.00	128.38	128.38	128.38	128.38	128.38	128.38	128.38	128.38	128.38	0.00	128.38	128.38
Bulldozing, Scraping and Grading	0	5	5	5	5	5	5	5	5	5	0	5	5
PV PANEL CONSTRUCTION													
Cut[a]	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	0.00	10.00	10.00	10.00	10.00
Fill[a]	8.13	8.13	8.13	8.13	8.13	8.13	8.13	8.13	0.00	8.13	8.13	8.13	8.13
Total Cut and Fill	18.13	18.13	18.13	18.13	18.13	18.13	18.13	18.13	0.00	18.13	18.13	18.13	18.13
Bulldozing, Scraping and Grading	1	1	1	1	1	1	1	1	0	1	1	1	1
SUBSTATION-BLDG-WATER TANK CO													
Cut[a]	0.00	0.00	0.00	0.00	0.00	0.00	3.75	3.75	3.75	3.75	0.00	0.00	0.00
Fill[a]	0.00	0.00	0.00	0.00	0.00	0.00	3.75	3.75	3.75	3.75	0.00	0.00	0.00
Total Cut and Fill	0.00	0.00	0.00	0.00	0.00	0.00	7.50	7.50	7.50	7.50	0.00	0.00	0.00
Bulldozing, Scraping and Grading	0	0	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning													
Cut[a]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fill[a]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Cut and Fill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bulldozing, Scraping and Grading	0	0	0	0	0	0	0	0	0	0	0	0	0

[a] Hourly quantity = Daily quantity / 8 work

Table 13-a
Hourly Earthwork Quantities

Type	Amount												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
Cut[a]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fill[a]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Cut and Fill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bulldozing, Scraping and Grading	0	0	0	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING/RO													
Cut[a]	72.75	72.75	72.75	72.75	72.75	72.75	72.75	0.00	72.75	72.75	72.75	72.75	72.75
Fill[a]	55.63	55.63	55.63	55.63	55.63	55.63	55.63	0.00	55.63	55.63	55.63	55.63	55.63
Total Cut and Fill	128.38	128.38	128.38	128.38	128.38	128.38	128.38	0.00	128.38	128.38	128.38	128.38	128.38
Bulldozing, Scraping and Grading	5	5	5	5	5	5	5	0	5	5	5	5	5
PV PANEL CONSTRUCTION													
Cut[a]	10.00	10.00	10.00	10.00	0.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Fill[a]	8.13	8.13	8.13	8.13	0.00	8.13	8.13	8.13	8.13	8.13	8.13	8.13	8.13
Total Cut and Fill	18.13	18.13	18.13	18.13	0.00	18.13	18.13	18.13	18.13	18.13	18.13	18.13	18.13
Bulldozing, Scraping and Grading	1	1	1	1	0	1	1	1	1	1	1	1	1
SUBSTATION-BLDG-WATER TANK CO													
Cut[a]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fill[a]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Cut and Fill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bulldozing, Scraping and Grading	0	0	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning													
Cut[a]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fill[a]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Cut and Fill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bulldozing, Scraping and Grading	0	0	0	0	0	0	0	0	0	0	0	0	0

[a] Hourly quantity = Daily quantity / 8 work

Table 13-a
Hourly Earthwork Quantities

Type	Amount									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
Cut[a]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fill[a]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Cut and Fill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bulldozing, Scraping and Grading	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING/RO										
Cut[a]	72.75	72.75	72.75	72.75	0.00	0.00	0.00	0.00	0.00	0.00
Fill[a]	55.63	55.63	55.63	55.63	0.00	0.00	0.00	0.00	0.00	0.00
Total Cut and Fill	128.38	128.38	128.38	128.38	0.00	0.00	0.00	0.00	0.00	0.00
Bulldozing, Scraping and Grading	5	5	5	5	0	0	0	0	0	0
PV PANEL CONSTRUCTION										
Cut[a]	0.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	0.00
Fill[a]	0.00	8.13	8.13	8.13	8.13	8.13	8.13	8.13	8.13	0.00
Total Cut and Fill	0.00	18.13	18.13	18.13	18.13	18.13	18.13	18.13	18.13	0.00
Bulldozing, Scraping and Grading	0	1	1	1	1	1	1	1	1	0
SUBSTATION-BLDG-WATER TANK CO										
Cut[a]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fill[a]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Cut and Fill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bulldozing, Scraping and Grading	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning										
Cut[a]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fill[a]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Cut and Fill	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bulldozing, Scraping and Grading	0	0	0	0	0	0	0	0	0	0

[a] Hourly quantity = Daily quantity / 8 work

Table 13-b
Hourly Earthwork Fugitive PM10 Emissions

Type	Emission Factor (lb/unit)	Fugitive PM10 Emissions (lb/hr)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
Total Cut and Fill	2.89E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	1.72E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
Total Cut and Fill	2.89E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	1.72E+00	0.0	0.0	0.0	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
PV PANEL CONSTRUCTION													
Total Cut and Fill	2.89E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	1.72E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
Total Cut and Fill	2.89E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	1.72E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Total Cut and Fill	2.89E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	1.72E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)		**0.0**	**0.0**	**0.0**	**8.6**	**8.6**	**8.6**	**8.6**	**8.6**	**8.6**	**8.6**	**8.6**	**8.6**

Table 13-c
Hourly Earthwork Fugitive PM2.5 Emissions

Type	Emission Factor	Fugitive PM2.5 Emissions (lb/hr)											
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
Total Cut and Fill	4.38E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	5.25E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
Total Cut and Fill	4.38E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	5.25E-01	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
PV PANEL CONSTRUCTION													
Total Cut and Fill	4.38E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	5.25E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
Total Cut and Fill	4.38E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	5.25E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Total Cut and Fill	4.38E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	5.25E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)		**0.0**	**0.0**	**0.0**	**2.6**	**2.6**	**2.6**	**2.6**	**2.6**	**2.6**	**2.6**	**2.6**	**2.6**

Table 13-b
Hourly Earthwork Fugitive PM10 Emiss

Type	Fugitive PM10 Emissions (lb/hr)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	0.0	8.6	8.6
PV PANEL CONSTRUCTION													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7
SUBSTATION-BLDG-WATER TANK CO													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**1.7**	**10.3**	**10.3**	**10.3**	**10.3**	**10.3**	**10.3**	**10.3**	**8.6**	**10.3**	**1.7**	**10.3**	**10.3**

Table 13-c
Hourly Earthwork Fugitive PM2.5 Emis

Type	Fugitive PM2.5 Emissions (lb/hr)												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	2.6	2.6
PV PANEL CONSTRUCTION													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.5
SUBSTATION-BLDG-WATER TANK CO													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**0.5**	**3.2**	**3.2**	**3.2**	**3.2**	**3.2**	**3.2**	**3.2**	**2.6**	**3.2**	**0.5**	**3.2**	**3.2**

Table 13-b
Hourly Earthwork Fugitive PM10 Emiss

Type	Fugitive PM10 Emissions (lb/hr)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	8.6	8.6	8.6	8.6	8.6	8.6	8.6	0.0	8.6	8.6	8.6	8.6	8.6
PV PANEL CONSTRUCTION													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
SUBSTATION-BLDG-WATER TANK CO													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**10.3**	**10.3**	**10.3**	**10.3**	**8.6**	**10.3**	**10.3**	**1.7**	**10.3**	**10.3**	**10.3**	**10.3**	**10.3**

Table 13-c
Hourly Earthwork Fugitive PM2.5 Emis

Type	Fugitive PM2.5 Emissions (lb/hr)												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	2.6	2.6	2.6	2.6	2.6
PV PANEL CONSTRUCTION													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
SUBSTATION-BLDG-WATER TANK CO													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning													
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**3.2**	**3.2**	**3.2**	**3.2**	**2.6**	**3.2**	**3.2**	**0.5**	**3.2**	**3.2**	**3.2**	**3.2**	**3.2**

Table 13-b
Hourly Earthwork Fugitive PM10 Emiss

Type	Fugitive PM10 Emissions (lb/hr)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO										
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	8.6	8.6	8.6	8.6	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0
SUBSTATION-BLDG-WATER TANK CO										
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**8.6**	**10.3**	**10.3**	**10.3**	**1.7**	**1.7**	**1.7**	**1.7**	**1.7**	**0.0**

Table 13-c
Hourly Earthwork Fugitive PM2.5 Emis

Type	Fugitive PM2.5 Emissions (lb/hr)									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO										
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION										
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0
SUBSTATION-BLDG-WATER TANK CO										
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning										
Total Cut and Fill	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bulldozing, Scraping and Grading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/hr)	**2.6**	**3.2**	**3.2**	**3.2**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.0**

Table 14-a
Hourly Asphaltic Paving

Type	Units	Amount[a] Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
Paving	Acres/Hr	0.00	0.00	0.00	0.00	0.03	0.03	0.03	0.00	0.00	0.00	0.00	0.00
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
Paving	Acres/Hr	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
PV PANEL CONSTRUCTION													
Paving	Acres/Hr	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
Paving	Acres/Hr	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Testing & Commissioning													
Paving	Acres/Hr	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

[a] Hourly amount = Daily amount / 8 working hours/day

Table 14-b
Hourly Asphaltic Paving Fugitive ROG Emissions

Type	Emission Factor (lb/acre)[a]	Hourly Emissions (lb/hr) Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
FENCE - MOBILIZATION													
Paving	2.62	0.00	0.00	0.00	0.00	1.44	1.44	1.44	0.00	0.00	0.00	0.00	0.00
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK													
Paving	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.72
PV PANEL CONSTRUCTION													
Paving	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTATION-BLDG-WATER TANK CONSTRUCTION													
Paving	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Testing & Commissioning													
Paving	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL (lb/month)		**0.00**	**0.00**	**0.00**	**0.00**	**1.44**	**1.44**	**1.44**	**0.00**	**0.00**	**0.00**	**0.72**	**0.72**

[a] From CalEEMod Emission Estimator Model, Version 2011.1.1, 2011

Table 14-a
Hourly Asphaltic Paving

Type	Amount[a]												
	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CIVIL IMPROVEMENTS - GRADING/RO													
Paving	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PV PANEL CONSTRUCTION													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTATION-BLDG-WATER TANK CO													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Testing & Commissioning													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00

[a] Hourly amount = Daily amount / 8 worki

Table 14-b
Hourly Asphaltic Paving Fugitive ROG

Type	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CIVIL IMPROVEMENTS - GRADING/RO													
Paving	0.00	0.72	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PV PANEL CONSTRUCTION													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTATION-BLDG-WATER TANK CO													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Testing & Commissioning													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.90	0.00	0.00	0.00
TOTAL (lb/month)	**0.00**	**0.72**	**0.72**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.90**	**0.90**	**0.00**	**0.00**	**0.00**

[a] From CalEEMod Emission Estimator M

Table 14-a
Hourly Asphaltic Paving

Type	Amount[a]												
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CIVIL IMPROVEMENTS - GRADING/RO													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PV PANEL CONSTRUCTION													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTATION-BLDG-WATER TANK CO													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Testing & Commissioning													
Paving	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00

[a] Hourly amount = Daily amount / 8 worki

Table 14-b
Hourly Asphaltic Paving Fugitive ROG

Type	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CIVIL IMPROVEMENTS - GRADING/RO													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PV PANEL CONSTRUCTION													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTATION-BLDG-WATER TANK CO													
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Testing & Commissioning													
Paving	0.00	0.00	0.00	0.00	0.90	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL (lb/month)	**0.00**	**0.00**	**0.00**	**0.00**	**0.90**	**0.90**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

[a] From CalEEMod Emission Estimator M

Table 14-a
Hourly Asphaltic Paving

Type	Amount[a]									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CIVIL IMPROVEMENTS - GRADING/RO										
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PV PANEL CONSTRUCTION										
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTATION-BLDG-WATER TANK CO										
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Testing & Commissioning										
Paving	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02

[a] Hourly amount = Daily amount / 8 worki

Table 14-b
Hourly Asphaltic Paving Fugitive ROG

Type	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CIVIL IMPROVEMENTS - GRADING/RO										
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PV PANEL CONSTRUCTION										
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUBSTATION-BLDG-WATER TANK CO										
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Testing & Commissioning										
Paving	0.90	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.90
TOTAL (lb/month)	**0.90**	**0.90**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.90**	**0.90**

[a] From CalEEMod Emission Estimator M

Table 15-a
On-Site Construction CO Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
12-Month Running Emissions (ton/year)[a]													
Equipment Exhaust	3.5	3.7	4.2	4.6	4.8	4.9	4.9	5.0	5.2	5.2	5.4	5.3	5.4
On-Site Motor Vehicle Exhaust	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
12-Month Total (ton/year)	**3.6**	**3.9**	**4.3**	**4.8**	**5.0**	**5.0**	**5.1**	**5.2**	**5.3**	**5.4**	**5.6**	**5.4**	**5.6**
Maximum 12-Month Total (ton/year)	**5.8**												
Monthly Emissions (lb/month)													
Equipment Exhaust	131.5	131.5	131.5	604.0	833.5	833.5	833.5	702.0	735.5	735.5	735.5	604.0	529.6
On-Site Motor Vehicle Exhaust	15.8	15.8	15.8	24.9	28.5	28.5	28.5	18.8	30.9	30.9	30.9	15.1	23.8
Monthly Total (lb/month)	**147.3**	**147.3**	**147.3**	**628.9**	**861.9**	**861.9**	**861.9**	**720.8**	**766.4**	**766.4**	**766.4**	**619.1**	**553.5**
Maximum Monthly Emissions (lb/month)	**1,208.4**												
Daily Emissions (lb/day)[b]													
Equipment Exhaust	6.0	6.0	6.0	27.5	37.9	37.9	37.9	31.9	33.4	33.4	33.4	27.5	24.1
On-Site Motor Vehicle Exhaust	0.7	0.7	0.7	1.1	1.3	1.3	1.3	0.9	1.4	1.4	1.4	0.7	1.1
Daily Total (lb/day)	**6.7**	**6.7**	**6.7**	**28.6**	**39.2**	**39.2**	**39.2**	**32.8**	**34.8**	**34.8**	**34.8**	**28.1**	**25.2**
Maximum Daily Emissions (lb/day)	**54.9**												
Hourly Emissions (lb/hr)[c]													
Equipment Exhaust	1.0	1.0	1.0	3.5	5.3	5.3	5.3	4.3	4.5	4.5	4.5	3.5	3.5
On-Site Motor Vehicle Exhaust	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.2	0.3
Hourly Total (lb/hour)	**1.2**	**1.2**	**1.2**	**3.9**	**5.7**	**5.7**	**5.7**	**4.5**	**5.0**	**5.0**	**5.0**	**3.7**	**3.9**
Maximum Hourly Emissions (lb/hr)	**8.0**												

[a] The value for each month is the total for that month and the next 11 months

[b] Daily emissions = Monthly emissions / 21 working days/month

[c] Hourly emissions are based on simultaneous operation of all emission sources

Source[a]	Hourly (lb/hr)	Daily (lb/day)	Annual (ton/year)
Equipment Exhaust	7.57	53.68	5.63
Motor Vehicle Exhaust	0.40	1.25	0.14
Maximum On-Site Total	**7.96**	**54.93**	**5.77**
Peak Month	**22**	**22**	**14**

[a] Emissions from source during period with maximum on-site total emissions

Table 15-a
On-Site Construction CO Emissions Summa

	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26
12-Month Running Emissions (ton/year)[a]													
Equipment Exhaust	5.6	5.6	5.5	5.5	5.5	5.3	5.3	5.3	5.1	5.0	5.3	5.3	5.3
On-Site Motor Vehicle Exhaust	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12-Month Total (ton/year)	**5.8**	**5.7**	**5.6**	**5.6**	**5.6**	**5.5**	**5.5**	**5.4**	**5.2**	**5.1**	**5.4**	**5.4**	**5.4**
Maximum 12-Month Total (ton/year)													
Monthly Emissions (lb/month)													
Equipment Exhaust	1,069.7	1,069.7	938.2	938.2	938.2	1,029.5	1,029.5	782.8	1,180.9	398.2	938.2	938.2	938.2
On-Site Motor Vehicle Exhaust	32.8	32.8	23.1	23.1	23.1	24.6	27.4	19.4	27.4	8.1	23.1	23.1	23.1
Monthly Total (lb/month)	**1,102.6**	**1,102.6**	**961.4**	**961.4**	**961.4**	**1,054.1**	**1,057.0**	**802.2**	**1,208.4**	**406.2**	**961.4**	**961.4**	**961.4**
Maximum Monthly Emissions (lb/month)													
Daily Emissions (lb/day)[b]													
Equipment Exhaust	48.6	48.6	42.6	42.6	42.6	46.8	46.8	35.6	53.7	18.1	42.6	42.6	42.6
On-Site Motor Vehicle Exhaust	1.5	1.5	1.1	1.1	1.1	1.1	1.2	0.9	1.2	0.4	1.1	1.1	1.1
Daily Total (lb/day)	**50.1**	**50.1**	**43.7**	**43.7**	**43.7**	**47.9**	**48.0**	**36.5**	**54.9**	**18.5**	**43.7**	**43.7**	**43.7**
Maximum Daily Emissions (lb/day)													
Hourly Emissions (lb/hr)[c]													
Equipment Exhaust	6.7	6.7	5.7	5.7	5.7	6.4	6.4	5.0	7.6	2.6	5.7	5.7	5.7
On-Site Motor Vehicle Exhaust	0.5	0.5	0.3	0.3	0.3	0.4	0.4	0.3	0.4	0.1	0.3	0.3	0.3
Hourly Total (lb/hour)	**7.2**	**7.2**	**6.1**	**6.1**	**6.1**	**6.8**	**6.8**	**5.3**	**8.0**	**2.7**	**6.1**	**6.1**	**6.1**
Maximum Hourly Emissions (lb/hr)													

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

[c] Hourly emissions are based on simultaneous c

Source[a]
Equipment Exhaust
Motor Vehicle Exhaust
Maximum On-Site Total
Peak Month

[a] Emissions from source during period with ma

Table 15-a
On-Site Construction CO Emissions Summa

	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39
12-Month Running Emissions (ton/year)[a]													
Equipment Exhaust	5.3	5.1	5.2	5.2	5.3	5.0	4.7	4.7	4.4	4.3	3.9	3.4	2.9
On-Site Motor Vehicle Exhaust	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1
12-Month Total (ton/year)	**5.4**	**5.2**	**5.3**	**5.3**	**5.5**	**5.1**	**4.9**	**4.9**	**4.6**	**4.4**	**4.0**	**3.5**	**3.0**
Maximum 12-Month Total (ton/year)													
Monthly Emissions (lb/month)													
Equipment Exhaust	938.2	938.2	938.2	638.1	1,036.2	938.2	398.2	938.2	938.2	938.2	938.2	938.2	638.1
On-Site Motor Vehicle Exhaust	23.1	23.1	26.0	17.9	26.0	23.1	8.1	23.8	23.8	23.8	31.9	34.7	18.6
Monthly Total (lb/month)	**961.4**	**961.4**	**964.2**	**656.0**	**1,062.2**	**961.4**	**406.2**	**962.0**	**962.0**	**962.0**	**970.1**	**973.0**	**656.6**
Maximum Monthly Emissions (lb/month)													
Daily Emissions (lb/day)[b]													
Equipment Exhaust	42.6	42.6	42.6	29.0	47.1	42.6	18.1	42.6	42.6	42.6	42.6	42.6	29.0
On-Site Motor Vehicle Exhaust	1.1	1.1	1.2	0.8	1.2	1.1	0.4	1.1	1.1	1.1	1.4	1.6	0.8
Daily Total (lb/day)	**43.7**	**43.7**	**43.8**	**29.8**	**48.3**	**43.7**	**18.5**	**43.7**	**43.7**	**43.7**	**44.1**	**44.2**	**29.8**
Maximum Daily Emissions (lb/day)													
Hourly Emissions (lb/hr)[c]													
Equipment Exhaust	5.7	5.7	5.7	3.9	6.5	5.7	2.6	5.7	5.7	5.7	5.7	5.7	3.9
On-Site Motor Vehicle Exhaust	0.3	0.3	0.4	0.3	0.4	0.3	0.1	0.3	0.3	0.3	0.5	0.5	0.3
Hourly Total (lb/hour)	**6.1**	**6.1**	**6.1**	**4.2**	**6.8**	**6.1**	**2.7**	**6.1**	**6.1**	**6.1**	**6.2**	**6.2**	**4.2**
Maximum Hourly Emissions (lb/hr)													

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

[c] Hourly emissions are based on simultaneous c

Source[a]
Equipment Exhaust
Motor Vehicle Exhaust
Maximum On-Site Total
Peak Month

[a] Emissions from source during period with ma

Table 15-a
On-Site Construction CO Emissions Summa

	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
12-Month Running Emissions (ton/year)[a]									
Equipment Exhaust	2.6	2.1	1.6	1.1	0.9	0.7	0.5	0.4	0.1
On-Site Motor Vehicle Exhaust	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
12-Month Total (ton/year)	**2.7**	**2.2**	**1.7**	**1.2**	**1.0**	**0.8**	**0.6**	**0.4**	**0.1**
Maximum 12-Month Total (ton/year)									
Monthly Emissions (lb/month)									
Equipment Exhaust	1,036.2	938.2	938.2	398.2	398.2	398.2	398.2	549.6	151.4
On-Site Motor Vehicle Exhaust	34.7	31.9	31.9	16.2	16.2	16.2	19.0	19.0	2.8
Monthly Total (lb/month)	**1,071.0**	**970.1**	**970.1**	**414.3**	**414.3**	**414.3**	**417.2**	**568.6**	**154.3**
Maximum Monthly Emissions (lb/month)									
Daily Emissions (lb/day)[b]									
Equipment Exhaust	47.1	42.6	42.6	18.1	18.1	18.1	18.1	25.0	6.9
On-Site Motor Vehicle Exhaust	1.6	1.4	1.4	0.7	0.7	0.7	0.9	0.9	0.1
Daily Total (lb/day)	**48.7**	**44.1**	**44.1**	**18.8**	**18.8**	**18.8**	**19.0**	**25.8**	**7.0**
Maximum Daily Emissions (lb/day)									
Hourly Emissions (lb/hr)[c]									
Equipment Exhaust	6.5	5.7	5.7	2.6	2.6	2.6	2.6	3.7	1.1
On-Site Motor Vehicle Exhaust	0.5	0.5	0.5	0.2	0.2	0.2	0.3	0.3	0.0
Hourly Total (lb/hour)	**7.0**	**6.2**	**6.2**	**2.8**	**2.8**	**2.8**	**2.8**	**4.0**	**1.2**
Maximum Hourly Emissions (lb/hr)									

[a] The value for each month is the total for that m
[b] Daily emissions = Monthly emissions / 21 worl
[c] Hourly emissions are based on simultaneous c

Source[a]
Equipment Exhaust
Motor Vehicle Exhaust
Maximum On-Site Total
Peak Month

[a] Emissions from source during period with ma

Table 15-b
On-Site Construction ROG Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
12-Month Running Emissions (ton/year)[a]													
Equipment Exhaust	1.0	1.0	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.5	1.4	1.5
On-Site Motor Vehicle Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paving Fugitive	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-Month Total (ton/year)	**1.0**	**1.1**	**1.2**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.5**	**1.5**	**1.6**	**1.5**	**1.5**
Maximum 12-Month Total (ton/year)	**1.6**												
Monthly Emissions (lb/month)													
Equipment Exhaust	14.2	14.2	14.2	201.7	226.9	226.9	226.9	212.7	215.9	215.9	215.9	201.7	83.2
On-Site Motor Vehicle Exhaust	3.6	3.6	3.6	5.8	6.7	6.7	6.7	4.5	7.1	7.1	7.1	3.5	5.5
Paving Fugitive	0.0	0.0	0.0	0.0	11.5	11.5	11.5	0.0	0.0	0.0	5.8	5.8	0.0
Monthly Total (lb/month)	**17.8**	**17.8**	**17.8**	**207.5**	**245.1**	**245.1**	**245.1**	**217.2**	**223.0**	**223.0**	**228.7**	**210.9**	**88.7**
Maximum Monthly Emissions (lb/month)	**328.5**												
Daily Emissions (lb/day)[b]													
Equipment Exhaust	0.6	0.6	0.6	9.2	10.3	10.3	10.3	9.7	9.8	9.8	9.8	9.2	3.8
On-Site Motor Vehicle Exhaust	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.2	0.3
Paving Fugitive	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.0	0.0	0.0	0.3	0.3	0.0
Daily Total (lb/day)	**0.8**	**0.8**	**0.8**	**9.4**	**11.1**	**11.1**	**11.1**	**9.9**	**10.1**	**10.1**	**10.4**	**9.6**	**4.0**
Maximum Daily Emissions (lb/day)	**14.9**												
Hourly Emissions (lb/hr)[c]													
Equipment Exhaust	0.1	0.1	0.1	1.2	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.2	0.6
On-Site Motor Vehicle Exhaust	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1
Paving Fugitive	0.0	0.0	0.0	0.0	1.4	1.4	1.4	0.0	0.0	0.0	0.7	0.7	0.0
Hourly Total (lb/hour)	**0.2**	**0.2**	**0.2**	**1.3**	**2.9**	**2.9**	**2.9**	**1.3**	**1.4**	**1.4**	**2.1**	**1.9**	**0.7**
Maximum Hourly Emissions (lb/hr)	**3.0**												

[a] The value for each month is the total for that month and the next 11 months

[b] Daily emissions = Monthly emissions / 21 working days/month

[c] Hourly emissions are based on simultaneous operation of all emission sources

Source[a]	Hourly (lb/hr)	Daily (lb/day)	Annual (ton/year)
Equipment Exhaust	2.02	14.32	1.55
Motor Vehicle Exhaust	0.09	0.29	0.03
Paving Fugitive	0.90	0.33	0.01
Maximum On-Site Total	**3.02**	**14.93**	**1.59**
Peak Month	**22**	**22**	**14**

[a] Emissions from source during period with maximum on-site total emissions

Table 15-b
On-Site Construction ROG Emissions Sum

	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26
12-Month Running Emissions (ton/year)[a]													
Equipment Exhaust	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.5	1.5	1.5
On-Site Motor Vehicle Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paving Fugitive	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-Month Total (ton/year)	**1.6**	**1.6**	**1.6**	**1.6**	**1.6**	**1.5**	**1.5**	**1.5**	**1.4**	**1.4**	**1.5**	**1.5**	**1.5**
Maximum 12-Month Total (ton/year)													
Monthly Emissions (lb/month)													
Equipment Exhaust	280.5	280.5	266.3	266.3	266.3	286.8	286.8	245.9	315.0	69.0	266.3	266.3	266.3
On-Site Motor Vehicle Exhaust	7.6	7.6	5.4	5.4	5.4	5.7	6.4	4.5	6.4	1.9	5.4	5.4	5.4
Paving Fugitive	5.8	5.8	0.0	0.0	0.0	0.0	0.0	7.2	7.2	0.0	0.0	0.0	0.0
Monthly Total (lb/month)	**293.9**	**293.9**	**271.7**	**271.7**	**271.7**	**292.5**	**293.1**	**257.6**	**328.5**	**70.9**	**271.7**	**271.7**	**271.7**
Maximum Monthly Emissions (lb/month)													
Daily Emissions (lb/day)[b]													
Equipment Exhaust	12.7	12.7	12.1	12.1	12.1	13.0	13.0	11.2	14.3	3.1	12.1	12.1	12.1
On-Site Motor Vehicle Exhaust	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.1	0.2	0.2	0.2
Paving Fugitive	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0
Daily Total (lb/day)	**13.4**	**13.4**	**12.3**	**12.3**	**12.3**	**13.3**	**13.3**	**11.7**	**14.9**	**3.2**	**12.3**	**12.3**	**12.3**
Maximum Daily Emissions (lb/day)													
Hourly Emissions (lb/hr)[c]													
Equipment Exhaust	1.8	1.8	1.7	1.7	1.7	1.8	1.8	1.5	2.0	0.5	1.7	1.7	1.7
On-Site Motor Vehicle Exhaust	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1
Paving Fugitive	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.0	0.0	0.0	0.0
Hourly Total (lb/hour)	**2.6**	**2.6**	**1.7**	**1.7**	**1.7**	**1.9**	**1.9**	**2.5**	**3.0**	**0.5**	**1.7**	**1.7**	**1.7**
Maximum Hourly Emissions (lb/hr)													

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

[c] Hourly emissions are based on simultaneous c

Source[a]
Equipment Exhaust
Motor Vehicle Exhaust
Paving Fugitive
Maximum On-Site Total
Peak Month

[a] Emissions from source during period with ma

Table 15-b
On-Site Construction ROG Emissions Sumr

	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39
12-Month Running Emissions (ton/year)[a]													
Equipment Exhaust	1.5	1.4	1.5	1.5	1.5	1.4	1.3	1.3	1.2	1.1	1.0	0.8	0.7
On-Site Motor Vehicle Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paving Fugitive	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-Month Total (ton/year)	**1.5**	**1.5**	**1.5**	**1.5**	**1.5**	**1.4**	**1.3**	**1.3**	**1.2**	**1.1**	**1.0**	**0.9**	**0.7**
Maximum 12-Month Total (ton/year)													
Monthly Emissions (lb/month)													
Equipment Exhaust	266.3	266.3	266.3	208.3	277.3	266.3	69.0	266.3	266.3	266.3	266.3	266.3	208.3
On-Site Motor Vehicle Exhaust	5.4	5.4	6.0	4.1	6.0	5.4	1.9	5.5	5.5	5.5	7.4	8.0	4.3
Paving Fugitive	0.0	0.0	0.0	7.2	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2
Monthly Total (lb/month)	**271.7**	**271.7**	**272.3**	**219.6**	**290.5**	**271.7**	**70.9**	**271.8**	**271.8**	**271.8**	**273.6**	**274.3**	**219.8**
Maximum Monthly Emissions (lb/month)													
Daily Emissions (lb/day)[b]													
Equipment Exhaust	12.1	12.1	12.1	9.5	12.6	12.1	3.1	12.1	12.1	12.1	12.1	12.1	9.5
On-Site Motor Vehicle Exhaust	0.2	0.2	0.3	0.2	0.3	0.2	0.1	0.3	0.3	0.3	0.3	0.4	0.2
Paving Fugitive	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Daily Total (lb/day)	**12.3**	**12.3**	**12.4**	**10.0**	**13.2**	**12.3**	**3.2**	**12.4**	**12.4**	**12.4**	**12.4**	**12.5**	**10.0**
Maximum Daily Emissions (lb/day)													
Hourly Emissions (lb/hr)[c]													
Equipment Exhaust	1.7	1.7	1.7	1.2	1.7	1.7	0.5	1.7	1.7	1.7	1.7	1.7	1.2
On-Site Motor Vehicle Exhaust	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Paving Fugitive	0.0	0.0	0.0	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
Hourly Total (lb/hour)	**1.7**	**1.7**	**1.7**	**2.2**	**2.7**	**1.7**	**0.5**	**1.7**	**1.7**	**1.7**	**1.8**	**1.8**	**2.2**
Maximum Hourly Emissions (lb/hr)													

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

[c] Hourly emissions are based on simultaneous c

Source[a]
Equipment Exhaust
Motor Vehicle Exhaust
Paving Fugitive
Maximum On-Site Total
Peak Month

[a] Emissions from source during period with ma

Table 15-b
On-Site Construction ROG Emissions Sumr

	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
12-Month Running Emissions (ton/year)[a]									
Equipment Exhaust	0.6	0.5	0.3	0.2	0.2	0.1	0.1	0.1	0.0
On-Site Motor Vehicle Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paving Fugitive	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-Month Total (ton/year)	**0.6**	**0.5**	**0.4**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.0**
Maximum 12-Month Total (ton/year)									
Monthly Emissions (lb/month)									
Equipment Exhaust	277.3	266.3	266.3	69.0	69.0	69.0	69.0	97.2	28.2
On-Site Motor Vehicle Exhaust	8.0	7.4	7.4	3.7	3.7	3.7	4.3	4.3	0.6
Paving Fugitive	7.2	0.0	0.0	0.0	0.0	0.0	0.0	7.2	7.2
Monthly Total (lb/month)	**292.5**	**273.6**	**273.6**	**72.7**	**72.7**	**72.7**	**73.4**	**108.8**	**36.0**
Maximum Monthly Emissions (lb/month)									
Daily Emissions (lb/day)[b]									
Equipment Exhaust	12.6	12.1	12.1	3.1	3.1	3.1	3.1	4.4	1.3
On-Site Motor Vehicle Exhaust	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.0
Paving Fugitive	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
Daily Total (lb/day)	**13.3**	**12.4**	**12.4**	**3.3**	**3.3**	**3.3**	**3.3**	**4.9**	**1.6**
Maximum Daily Emissions (lb/day)									
Hourly Emissions (lb/hr)[c]									
Equipment Exhaust	1.7	1.7	1.7	0.5	0.5	0.5	0.5	0.7	0.2
On-Site Motor Vehicle Exhaust	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Paving Fugitive	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
Hourly Total (lb/hour)	**2.8**	**1.8**	**1.8**	**0.6**	**0.6**	**0.6**	**0.6**	**1.7**	**1.1**
Maximum Hourly Emissions (lb/hr)									

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

[c] Hourly emissions are based on simultaneous c

Source[a]
Equipment Exhaust
Motor Vehicle Exhaust
Paving Fugitive
Maximum On-Site Total
Peak Month

[a] Emissions from source during period with ma

Table 15-c
On-Site Construction NOx Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
12-Month Running Emissions (ton/year)[a]													
Equipment Exhaust	8.0	8.3	9.4	10.4	10.7	10.8	11.0	11.2	11.6	11.6	12.0	11.4	11.7
On-Site Motor Vehicle Exhaust	1.0	1.0	1.1	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0
12-Month Total (ton/year)	**9.0**	**9.4**	**10.5**	**11.6**	**11.9**	**12.0**	**12.1**	**12.3**	**12.7**	**12.7**	**13.1**	**12.4**	**12.7**
Maximum 12-Month Total (ton/year)	**13.4**												
Monthly Emissions (lb/month)													
Equipment Exhaust	166.6	166.6	166.6	1,578.2	1,821.4	1,821.4	1,821.4	1,654.8	1,744.8	1,744.8	1,744.8	1,578.2	793.5
On-Site Motor Vehicle Exhaust	100.4	100.4	100.4	184.1	219.8	219.8	219.8	151.8	209.6	209.6	209.6	109.2	156.5
Monthly Total (lb/month)	**267.1**	**267.1**	**267.1**	**1,762.2**	**2,041.2**	**2,041.2**	**2,041.2**	**1,806.5**	**1,954.4**	**1,954.4**	**1,954.4**	**1,687.3**	**950.0**
Maximum Monthly Emissions (lb/month)	**2,695.3**												
Daily Emissions (lb/day)[b]													
Equipment Exhaust	7.6	7.6	7.6	71.7	82.8	82.8	82.8	75.2	79.3	79.3	79.3	71.7	36.1
On-Site Motor Vehicle Exhaust	4.6	4.6	4.6	8.4	10.0	10.0	10.0	6.9	9.5	9.5	9.5	5.0	7.1
Daily Total (lb/day)	**12.1**	**12.1**	**12.1**	**80.1**	**92.8**	**92.8**	**92.8**	**82.1**	**88.8**	**88.8**	**88.8**	**76.7**	**43.2**
Maximum Daily Emissions (lb/day)	**122.5**												
Hourly Emissions (lb/hr)[c]													
Equipment Exhaust	1.2	1.2	1.2	9.2	11.0	11.0	11.0	9.8	10.4	10.4	10.4	9.2	5.7
On-Site Motor Vehicle Exhaust	1.4	1.4	1.4	2.7	3.2	3.2	3.2	2.2	3.0	3.0	3.0	1.5	2.3
Hourly Total (lb/hour)	**2.6**	**2.6**	**2.6**	**11.9**	**14.1**	**14.1**	**14.1**	**12.0**	**13.4**	**13.4**	**13.4**	**10.8**	**8.0**
Maximum Hourly Emissions (lb/hr)	**19.0**												

[a] The value for each month is the total for that month and the next 11 months

[b] Daily emissions = Monthly emissions / 21 working days/month

[c] Hourly emissions are based on simultaneous operation of all emission sources

Source[a]	Hourly (lb/hr)	Daily (lb/day)	Annual (ton/year)
Equipment Exhaust	16.20	113.80	12.37
Motor Vehicle Exhaust	2.78	8.72	1.02
Maximum On-Site Total	**18.98**	**122.51**	**13.39**
Peak Month	**22**	**22**	**14**

[a] Emissions from source during period with maximum on-site total emissions

Table 15-c
On-Site Construction NOx Emissions Sumn

	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26
12-Month Running Emissions (ton/year)[a]													
Equipment Exhaust	12.4	12.3	12.2	12.2	12.2	11.9	11.9	11.8	11.2	11.0	11.7	11.7	11.7
On-Site Motor Vehicle Exhaust	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0
12-Month Total (ton/year)	**13.4**	**13.3**	**13.2**	**13.2**	**13.2**	**12.9**	**12.8**	**12.7**	**12.0**	**11.8**	**12.6**	**12.6**	**12.7**
Maximum 12-Month Total (ton/year)													
Monthly Emissions (lb/month)													
Equipment Exhaust	2,281.2	2,281.2	2,114.5	2,114.5	2,114.5	2,297.9	2,297.9	1,876.7	2,503.6	626.9	2,114.5	2,114.5	2,114.5
On-Site Motor Vehicle Exhaust	233.4	233.4	165.3	165.3	165.3	176.7	191.8	135.7	191.8	56.1	165.3	165.3	165.3
Monthly Total (lb/month)	**2,514.5**	**2,514.5**	**2,279.8**	**2,279.8**	**2,279.8**	**2,474.6**	**2,489.7**	**2,012.4**	**2,695.3**	**683.0**	**2,279.8**	**2,279.8**	**2,279.8**
Maximum Monthly Emissions (lb/month)													
Daily Emissions (lb/day)[b]													
Equipment Exhaust	103.7	103.7	96.1	96.1	96.1	104.4	104.4	85.3	113.8	28.5	96.1	96.1	96.1
On-Site Motor Vehicle Exhaust	10.6	10.6	7.5	7.5	7.5	8.0	8.7	6.2	8.7	2.5	7.5	7.5	7.5
Daily Total (lb/day)	**114.3**	**114.3**	**103.6**	**103.6**	**103.6**	**112.5**	**113.2**	**91.5**	**122.5**	**31.0**	**103.6**	**103.6**	**103.6**
Maximum Daily Emissions (lb/day)													
Hourly Emissions (lb/hr)[c]													
Equipment Exhaust	14.4	14.4	13.3	13.3	13.3	14.6	14.6	11.6	16.2	4.6	13.3	13.3	13.3
On-Site Motor Vehicle Exhaust	3.3	3.3	2.4	2.4	2.4	2.6	2.8	2.0	2.8	0.8	2.4	2.4	2.4
Hourly Total (lb/hour)	**17.8**	**17.8**	**15.6**	**15.6**	**15.6**	**17.2**	**17.4**	**13.6**	**19.0**	**5.4**	**15.6**	**15.6**	**15.6**
Maximum Hourly Emissions (lb/hr)													

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

[c] Hourly emissions are based on simultaneous c

Source[a]
Equipment Exhaust
Motor Vehicle Exhaust
Maximum On-Site Total
Peak Month

[a] Emissions from source during period with ma

Table 15-c
On-Site Construction NOx Emissions Sumn

	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39
12-Month Running Emissions (ton/year)[a]													
Equipment Exhaust	11.7	11.4	11.5	11.5	11.7	11.0	10.2	10.2	9.5	8.8	7.9	6.8	5.8
On-Site Motor Vehicle Exhaust	1.0	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.0	0.9	0.8	0.7
12-Month Total (ton/year)	**12.7**	**12.4**	**12.5**	**12.5**	**12.8**	**12.0**	**11.2**	**11.2**	**10.5**	**9.8**	**8.8**	**7.6**	**6.4**
Maximum 12-Month Total (ton/year)													
Monthly Emissions (lb/month)													
Equipment Exhaust	2,114.5	2,114.5	2,114.5	1,564.3	2,191.1	2,114.5	626.9	2,114.5	2,114.5	2,114.5	2,114.5	2,114.5	1,564.3
On-Site Motor Vehicle Exhaust	165.3	165.3	180.4	124.3	180.4	165.3	56.1	172.4	172.4	172.4	215.5	230.6	131.4
Monthly Total (lb/month)	**2,279.8**	**2,279.8**	**2,294.9**	**1,688.5**	**2,371.5**	**2,279.8**	**683.0**	**2,286.9**	**2,286.9**	**2,286.9**	**2,330.0**	**2,345.1**	**1,695.6**
Maximum Monthly Emissions (lb/month)													
Daily Emissions (lb/day)[b]													
Equipment Exhaust	96.1	96.1	96.1	71.1	99.6	96.1	28.5	96.1	96.1	96.1	96.1	96.1	71.1
On-Site Motor Vehicle Exhaust	7.5	7.5	8.2	5.6	8.2	7.5	2.5	7.8	7.8	7.8	9.8	10.5	6.0
Daily Total (lb/day)	**103.6**	**103.6**	**104.3**	**76.8**	**107.8**	**103.6**	**31.0**	**104.0**	**104.0**	**104.0**	**105.9**	**106.6**	**77.1**
Maximum Daily Emissions (lb/day)													
Hourly Emissions (lb/hr)[c]													
Equipment Exhaust	13.3	13.3	13.3	9.3	13.8	13.3	4.6	13.3	13.3	13.3	13.3	13.3	9.3
On-Site Motor Vehicle Exhaust	2.4	2.4	2.6	1.8	2.6	2.4	0.8	2.5	2.5	2.5	3.1	3.3	1.9
Hourly Total (lb/hour)	**15.6**	**15.6**	**15.9**	**11.0**	**16.4**	**15.6**	**5.4**	**15.7**	**15.7**	**15.7**	**16.4**	**16.6**	**11.2**
Maximum Hourly Emissions (lb/hr)													

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

[c] Hourly emissions are based on simultaneous c

Source[a]
Equipment Exhaust
Motor Vehicle Exhaust
Maximum On-Site Total
Peak Month

[a] Emissions from source during period with ma

Table 15-c
On-Site Construction NOx Emissions Sumn

	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
12-Month Running Emissions (ton/year)[a]									
Equipment Exhaust	5.0	3.9	2.8	1.8	1.5	1.1	0.8	0.5	0.1
On-Site Motor Vehicle Exhaust	0.6	0.5	0.4	0.3	0.2	0.2	0.1	0.1	0.0
12-Month Total (ton/year)	**5.6**	**4.4**	**3.2**	**2.0**	**1.7**	**1.3**	**1.0**	**0.6**	**0.1**
Maximum 12-Month Total (ton/year)									
Monthly Emissions (lb/month)									
Equipment Exhaust	2,191.1	2,114.5	2,114.5	626.9	626.9	626.9	626.9	832.5	205.7
On-Site Motor Vehicle Exhaust	230.6	215.5	215.5	99.2	99.2	99.2	114.3	114.3	15.1
Monthly Total (lb/month)	**2,421.7**	**2,330.0**	**2,330.0**	**726.1**	**726.1**	**726.1**	**741.2**	**946.8**	**220.7**
Maximum Monthly Emissions (lb/month)									
Daily Emissions (lb/day)[b]									
Equipment Exhaust	99.6	96.1	96.1	28.5	28.5	28.5	28.5	37.8	9.3
On-Site Motor Vehicle Exhaust	10.5	9.8	9.8	4.5	4.5	4.5	5.2	5.2	0.7
Daily Total (lb/day)	**110.1**	**105.9**	**105.9**	**33.0**	**33.0**	**33.0**	**33.7**	**43.0**	**10.0**
Maximum Daily Emissions (lb/day)									
Hourly Emissions (lb/hr)[c]									
Equipment Exhaust	13.8	13.3	13.3	4.6	4.6	4.6	4.6	6.1	1.6
On-Site Motor Vehicle Exhaust	3.3	3.1	3.1	1.5	1.5	1.5	1.7	1.7	0.2
Hourly Total (lb/hour)	**17.2**	**16.4**	**16.4**	**6.0**	**6.0**	**6.0**	**6.2**	**7.8**	**1.8**
Maximum Hourly Emissions (lb/hr)									

[a] The value for each month is the total for that m
[b] Daily emissions = Monthly emissions / 21 worl
[c] Hourly emissions are based on simultaneous c

Source[a]
Equipment Exhaust
Motor Vehicle Exhaust
Maximum On-Site Total
Peak Month

[a] Emissions from source during period with ma

Table 15-d
On-Site Construction SOx Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
12-Month Running Emissions (ton/year)[a]													
Equipment Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-Month Total (ton/year)	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Maximum 12-Month Total (ton/year)	**0.0**												
Monthly Emissions (lb/month)													
Equipment Exhaust	0.2	0.2	0.2	2.7	3.1	3.1	3.1	2.9	2.9	2.9	2.9	2.7	1.3
On-Site Motor Vehicle Exhaust	0.2	0.2	0.2	0.3	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.2	0.3
Monthly Total (lb/month)	**0.4**	**0.4**	**0.4**	**3.0**	**3.5**	**3.5**	**3.5**	**3.1**	**3.3**	**3.3**	**3.3**	**2.9**	**1.6**
Maximum Monthly Emissions (lb/month)	**4.7**												
Daily Emissions (lb/day)[b]													
Equipment Exhaust	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
On-Site Motor Vehicle Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Daily Total (lb/day)	**0.0**	**0.0**	**0.0**	**0.1**	**0.2**	**0.2**	**0.2**	**0.1**	**0.2**	**0.2**	**0.2**	**0.1**	**0.1**
Maximum Daily Emissions (lb/day)	**0.2**												
Hourly Emissions (lb/hr)[c]													
Equipment Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hourly Total (lb/hour)	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Maximum Hourly Emissions (lb/hr)	**0.0**												

[a] The value for each month is the total for that month and the next 11 months

[b] Daily emissions = Monthly emissions / 21 working days/month

[c] Hourly emissions are based on simultaneous operation of all emission sources

Source[a]	Hourly (lb/hr)	Daily (lb/day)	Annual (ton/year)
Equipment Exhaust	0.03	0.20	0.02
Motor Vehicle Exhaust	0.01	0.02	0.00
Maximum On-Site Total	**0.03**	**0.21**	**0.02**
Peak Month	**22**	**22**	**14**

[a] Emissions from source during period with maximum on-site total emissions

Table 15-d
On-Site Construction SOx Emissions Sumn

	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26
12-Month Running Emissions (ton/year)[a]													
Equipment Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-Month Total (ton/year)	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Maximum 12-Month Total (ton/year)													
Monthly Emissions (lb/month)													
Equipment Exhaust	3.9	3.9	3.6	3.6	3.6	3.9	3.9	3.3	4.4	1.1	3.6	3.6	3.6
On-Site Motor Vehicle Exhaust	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.2	0.4	0.1	0.3	0.3	0.3
Monthly Total (lb/month)	**4.3**	**4.3**	**3.9**	**3.9**	**3.9**	**4.2**	**4.2**	**3.5**	**4.7**	**1.2**	**3.9**	**3.9**	**3.9**
Maximum Monthly Emissions (lb/month)													
Daily Emissions (lb/day)[b]													
Equipment Exhaust	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.0	0.2	0.2	0.2
On-Site Motor Vehicle Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Daily Total (lb/day)	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.1**	**0.2**	**0.2**	**0.2**
Maximum Daily Emissions (lb/day)													
Hourly Emissions (lb/hr)[c]													
Equipment Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hourly Total (lb/hour)	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Maximum Hourly Emissions (lb/hr)													

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

[c] Hourly emissions are based on simultaneous c

Source[a]
Equipment Exhaust
Motor Vehicle Exhaust
Maximum On-Site Total
Peak Month

[a] Emissions from source during period with ma

Table 15-d
On-Site Construction SOx Emissions Sumn

	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39
12-Month Running Emissions (ton/year)[a]													
Equipment Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-Month Total (ton/year)	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Maximum 12-Month Total (ton/year)													
Monthly Emissions (lb/month)													
Equipment Exhaust	3.6	3.6	3.6	2.7	3.8	3.6	1.1	3.6	3.6	3.6	3.6	3.6	2.7
On-Site Motor Vehicle Exhaust	0.3	0.3	0.3	0.2	0.3	0.3	0.1	0.3	0.3	0.3	0.4	0.4	0.2
Monthly Total (lb/month)	**3.9**	**3.9**	**3.9**	**2.9**	**4.1**	**3.9**	**1.2**	**3.9**	**3.9**	**3.9**	**4.0**	**4.0**	**3.0**
Maximum Monthly Emissions (lb/month)													
Daily Emissions (lb/day)[b]													
Equipment Exhaust	0.2	0.2	0.2	0.1	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.1
On-Site Motor Vehicle Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Daily Total (lb/day)	**0.2**	**0.2**	**0.2**	**0.1**	**0.2**	**0.2**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.1**
Maximum Daily Emissions (lb/day)													
Hourly Emissions (lb/hr)[c]													
Equipment Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hourly Total (lb/hour)	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Maximum Hourly Emissions (lb/hr)													

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

[c] Hourly emissions are based on simultaneous c

Source[a]
Equipment Exhaust
Motor Vehicle Exhaust
Maximum On-Site Total
Peak Month

[a] Emissions from source during period with ma

Table 15-d
On-Site Construction SOx Emissions Sumn

	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
12-Month Running Emissions (ton/year)[a]									
Equipment Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-Month Total (ton/year)	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Maximum 12-Month Total (ton/year)									
Monthly Emissions (lb/month)									
Equipment Exhaust	3.8	3.6	3.6	1.1	1.1	1.1	1.1	1.6	0.5
On-Site Motor Vehicle Exhaust	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.0
Monthly Total (lb/month)	**4.2**	**4.0**	**4.0**	**1.3**	**1.3**	**1.3**	**1.3**	**1.8**	**0.5**
Maximum Monthly Emissions (lb/month)									
Daily Emissions (lb/day)[b]									
Equipment Exhaust	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.0
On-Site Motor Vehicle Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Daily Total (lb/day)	**0.2**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0**
Maximum Daily Emissions (lb/day)									
Hourly Emissions (lb/hr)[c]									
Equipment Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hourly Total (lb/hour)	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Maximum Hourly Emissions (lb/hr)									

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

[c] Hourly emissions are based on simultaneous c

Source[a]
Equipment Exhaust
Motor Vehicle Exhaust
Maximum On-Site Total
Peak Month

[a] Emissions from source during period with ma

Table 15-e
On-Site Construction PM10 Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
12-Month Running Emissions (ton/year)[a]													
Equipment Exhaust	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
On-Site Motor Vehicle Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Fugitive	52.6	54.4	57.4	60.5	60.0	58.8	57.7	56.8	58.4	56.3	56.0	52.3	54.1
Earthwork Fugitive	6.8	6.9	7.7	8.6	8.6	8.7	8.8	8.9	9.0	9.0	9.0	8.3	8.4
12-Month Total (ton/year)	**59.8**	**61.7**	**65.6**	**69.5**	**69.1**	**68.0**	**67.0**	**66.2**	**67.9**	**65.8**	**65.5**	**61.2**	**63.1**
Maximum 12-Month Total (ton/year)	**69.5**												
Monthly Emissions (lb/month)													
Equipment Exhaust	8.8	8.8	8.8	63.7	77.9	77.9	77.9	69.1	72.6	72.6	72.6	63.7	38.4
On-Site Motor Vehicle Exhaust	3.5	3.5	3.5	5.3	5.9	5.9	5.9	3.9	6.6	6.6	6.6	3.1	5.3
On-Site Motor Vehicle Fugitive	6,077.1	6,077.1	6,077.1	9,513.5	10,820.4	10,820.4	10,820.4	7,128.4	10,965.3	10,965.3	10,965.3	4,888.2	9,689.5
Earthwork Fugitive	0.1	0.1	0.1	1,517.2	1,517.2	1,517.2	1,517.2	1,517.2	1,517.2	1,517.2	1,517.2	1,517.2	152.0
Monthly Total (lb/month)	**6,089.5**	**6,089.5**	**6,089.5**	**11,099.7**	**12,421.4**	**12,421.4**	**12,421.4**	**8,718.5**	**12,561.7**	**12,561.7**	**12,561.7**	**6,472.2**	**9,885.2**
Maximum Monthly Emissions (lb/month)	**14,939.6**												
Daily Emissions (lb/day)[b]													
Equipment Exhaust	0.4	0.4	0.4	2.9	3.5	3.5	3.5	3.1	3.3	3.3	3.3	2.9	1.7
On-Site Motor Vehicle Exhaust	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.1	0.2
On-Site Motor Vehicle Fugitive	276.2	276.2	276.2	432.4	491.8	491.8	491.8	324.0	498.4	498.4	498.4	222.2	440.4
Earthwork Fugitive	0.0	0.0	0.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	6.9
Daily Total (lb/day)	**276.8**	**276.8**	**276.8**	**504.5**	**564.6**	**564.6**	**564.6**	**396.3**	**571.0**	**571.0**	**571.0**	**294.2**	**449.3**
Maximum Daily Emissions (lb/day)	**679.1**												
Hourly Emissions (lb/hr)[c]													
Equipment Exhaust	0.1	0.1	0.1	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3
On-Site Motor Vehicle Exhaust	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1
On-Site Motor Vehicle Fugitive	88.2	88.2	88.2	144.8	163.6	163.6	163.6	110.2	162.7	162.7	162.7	74.5	141.7
Earthwork Fugitive	0.0	0.0	0.0	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	1.7
Hourly Total (lb/hour)	**88.3**	**88.3**	**88.3**	**153.9**	**172.8**	**172.8**	**172.8**	**119.2**	**171.8**	**171.8**	**171.8**	**83.6**	**143.7**
Maximum Hourly Emissions (lb/hr)	**207.9**												

[a] The value for each month is the total for that month and the next 11 months

[b] Daily emissions = Monthly emissions / 21 working days/month

[c] Hourly emissions are based on simultaneous operation of all emission sources

Source[a]	Hourly (lb/hr)	Daily (lb/day)	Annual (ton/year)
Equipment Exhaust	0.60	4.35	0.44
Motor Vehicle Exhaust	0.11	0.34	0.03
On-Site Motor Vehicle Fugitive	196.82	598.51	60.48
Earthwork Fugitive	10.34	75.87	8.57
Maximum On-Site Total	**207.87**	**679.07**	**69.53**
Peak Month	**40**	**40**	**4**

[a] Emissions from source during period with maximum on-site total emissions

Table 15-e
On-Site Construction PM10 Emissions Sum

	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26
12-Month Running Emissions (ton/year)[a]													
Equipment Exhaust	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
On-Site Motor Vehicle Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Fugitive	53.5	51.7	49.8	49.8	50.4	49.1	49.3	48.4	46.9	46.2	48.8	49.0	50.8
Earthwork Fugitive	9.2	9.2	9.2	9.2	9.2	9.1	9.1	9.1	8.4	8.4	9.2	9.2	9.2
12-Month Total (ton/year)	**63.2**	**61.4**	**59.5**	**59.5**	**60.1**	**58.8**	**59.0**	**58.1**	**55.8**	**55.1**	**58.5**	**58.7**	**60.5**
Maximum 12-Month Total (ton/year)													
Monthly Emissions (lb/month)													
Equipment Exhaust	99.2	99.2	90.4	90.4	90.4	97.7	97.7	79.6	109.1	29.5	90.4	90.4	90.4
On-Site Motor Vehicle Exhaust	7.0	7.0	4.9	4.9	4.9	5.2	5.9	4.1	5.9	1.8	4.9	4.9	4.9
On-Site Motor Vehicle Fugitive	12,192.6	12,192.6	8,500.6	8,500.6	8,500.6	9,192.0	10,305.1	6,692.7	10,305.1	3,612.4	8,500.6	8,500.6	8,500.6
Earthwork Fugitive	1,669.2	1,669.2	1,669.2	1,669.2	1,669.2	1,669.5	1,669.5	1,517.5	1,669.5	152.0	1,669.2	1,669.2	1,669.2
Monthly Total (lb/month)	**13,968.0**	**13,968.0**	**10,265.1**	**10,265.1**	**10,265.1**	**10,964.5**	**12,078.2**	**8,293.9**	**12,089.6**	**3,795.7**	**10,265.1**	**10,265.1**	**10,265.1**
Maximum Monthly Emissions (lb/month)													
Daily Emissions (lb/day)[b]													
Equipment Exhaust	4.5	4.5	4.1	4.1	4.1	4.4	4.4	3.6	5.0	1.3	4.1	4.1	4.1
On-Site Motor Vehicle Exhaust	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.1	0.2	0.2	0.2
On-Site Motor Vehicle Fugitive	554.2	554.2	386.4	386.4	386.4	417.8	468.4	304.2	468.4	164.2	386.4	386.4	386.4
Earthwork Fugitive	75.9	75.9	75.9	75.9	75.9	75.9	75.9	69.0	75.9	6.9	75.9	75.9	75.9
Daily Total (lb/day)	**634.9**	**634.9**	**466.6**	**466.6**	**466.6**	**498.4**	**549.0**	**377.0**	**549.5**	**172.5**	**466.6**	**466.6**	**466.6**
Maximum Daily Emissions (lb/day)													
Hourly Emissions (lb/hr)[c]													
Equipment Exhaust	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.7	0.2	0.6	0.6	0.6
On-Site Motor Vehicle Exhaust	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1
On-Site Motor Vehicle Fugitive	181.5	181.5	128.0	128.0	128.0	139.0	155.6	102.1	155.6	53.5	128.0	128.0	128.0
Earthwork Fugitive	10.3	10.3	10.3	10.3	10.3	10.3	10.3	8.6	10.3	1.7	10.3	10.3	10.3
Hourly Total (lb/hour)	**192.6**	**192.6**	**139.0**	**139.0**	**139.0**	**150.0**	**166.7**	**111.3**	**166.8**	**55.4**	**139.0**	**139.0**	**139.0**
Maximum Hourly Emissions (lb/hr)													

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

[c] Hourly emissions are based on simultaneous c

Source[a]
Equipment Exhaust
Motor Vehicle Exhaust
On-Site Motor Vehicle Fugitive
Earthwork Fugitive
Maximum On-Site Total
Peak Month

[a] Emissions from source during period with ma

Table 15-e
On-Site Construction PM10 Emissions Sum

	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39
12-Month Running Emissions (ton/year)[a]													
Equipment Exhaust	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.3
On-Site Motor Vehicle Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Fugitive	53.1	52.0	54.4	55.6	58.6	57.2	56.3	57.9	57.5	57.0	53.1	47.1	40.5
Earthwork Fugitive	9.2	9.1	9.1	9.1	9.2	8.4	7.7	7.7	6.9	6.1	5.3	4.5	3.6
12-Month Total (ton/year)	**62.8**	**61.7**	**64.0**	**65.2**	**68.3**	**66.1**	**64.5**	**66.1**	**64.8**	**63.5**	**58.8**	**51.9**	**44.4**
Maximum 12-Month Total (ton/year)													
Monthly Emissions (lb/month)													
Equipment Exhaust	90.4	90.4	90.4	66.2	95.7	90.4	29.5	90.4	90.4	90.4	90.4	90.4	66.2
On-Site Motor Vehicle Exhaust	4.9	4.9	5.5	3.7	5.5	4.9	1.8	5.0	5.0	5.0	6.9	7.5	3.9
On-Site Motor Vehicle Fugitive	8,500.6	8,500.6	9,613.7	6,001.3	9,613.7	8,500.6	3,612.4	8,874.0	8,874.0	8,874.0	12,054.1	13,167.2	6,374.7
Earthwork Fugitive	1,669.2	1,669.2	1,669.2	1,517.2	1,669.2	1,669.2	152.0	1,669.2	1,669.2	1,669.2	1,669.2	1,669.2	1,517.2
Monthly Total (lb/month)	**10,265.1**	**10,265.1**	**11,378.8**	**7,588.4**	**11,384.1**	**10,265.1**	**3,795.7**	**10,638.6**	**10,638.6**	**10,638.6**	**13,820.6**	**14,934.3**	**7,961.9**
Maximum Monthly Emissions (lb/month)													
Daily Emissions (lb/day)[b]													
Equipment Exhaust	4.1	4.1	4.1	3.0	4.4	4.1	1.3	4.1	4.1	4.1	4.1	4.1	3.0
On-Site Motor Vehicle Exhaust	0.2	0.2	0.3	0.2	0.3	0.2	0.1	0.2	0.2	0.2	0.3	0.3	0.2
On-Site Motor Vehicle Fugitive	386.4	386.4	437.0	272.8	437.0	386.4	164.2	403.4	403.4	403.4	547.9	598.5	289.8
Earthwork Fugitive	75.9	75.9	75.9	69.0	75.9	75.9	6.9	75.9	75.9	75.9	75.9	75.9	69.0
Daily Total (lb/day)	**466.6**	**466.6**	**517.2**	**344.9**	**517.5**	**466.6**	**172.5**	**483.6**	**483.6**	**483.6**	**628.2**	**678.8**	**361.9**
Maximum Daily Emissions (lb/day)													
Hourly Emissions (lb/hr)[c]													
Equipment Exhaust	0.6	0.6	0.6	0.4	0.6	0.6	0.2	0.6	0.6	0.6	0.6	0.6	0.4
On-Site Motor Vehicle Exhaust	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
On-Site Motor Vehicle Fugitive	128.0	128.0	144.6	91.1	144.6	128.0	53.5	133.9	133.9	133.9	180.2	196.8	97.1
Earthwork Fugitive	10.3	10.3	10.3	8.6	10.3	10.3	1.7	10.3	10.3	10.3	10.3	10.3	8.6
Hourly Total (lb/hour)	**139.0**	**139.0**	**155.6**	**100.2**	**155.6**	**139.0**	**55.4**	**144.9**	**144.9**	**144.9**	**191.2**	**207.8**	**106.2**
Maximum Hourly Emissions (lb/hr)													

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

[c] Hourly emissions are based on simultaneous c

Source[a]
Equipment Exhaust
Motor Vehicle Exhaust
On-Site Motor Vehicle Fugitive
Earthwork Fugitive
Maximum On-Site Total
Peak Month

[a] Emissions from source during period with ma

Table 15-e
On-Site Construction PM10 Emissions Sum

	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
12-Month Running Emissions (ton/year)[a]									
Equipment Exhaust	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0
On-Site Motor Vehicle Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Fugitive	37.3	30.7	24.7	18.7	15.3	11.9	8.5	4.5	0.6
Earthwork Fugitive	2.9	2.0	1.2	0.4	0.3	0.2	0.2	0.1	0.0
12-Month Total (ton/year)	**40.4**	**32.9**	**26.0**	**19.1**	**15.6**	**12.1**	**8.7**	**4.6**	**0.6**
Maximum 12-Month Total (ton/year)									
Monthly Emissions (lb/month)									
Equipment Exhaust	95.7	90.4	90.4	29.5	29.5	29.5	29.5	40.9	11.4
On-Site Motor Vehicle Exhaust	7.5	6.9	6.9	3.7	3.7	3.7	4.3	4.3	0.7
On-Site Motor Vehicle Fugitive	13,167.2	12,054.1	12,054.1	6,792.5	6,792.5	6,792.5	7,905.6	7,905.6	1,113.1
Earthwork Fugitive	1,669.2	1,669.2	1,669.2	152.0	152.0	152.0	152.0	152.0	0.0
Monthly Total (lb/month)	**14,939.6**	**13,820.6**	**13,820.6**	**6,977.7**	**6,977.7**	**6,977.7**	**8,091.5**	**8,102.9**	**1,125.1**
Maximum Monthly Emissions (lb/month)									
Daily Emissions (lb/day)[b]									
Equipment Exhaust	4.4	4.1	4.1	1.3	1.3	1.3	1.3	1.9	0.5
On-Site Motor Vehicle Exhaust	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.0
On-Site Motor Vehicle Fugitive	598.5	547.9	547.9	308.8	308.8	308.8	359.3	359.3	50.6
Earthwork Fugitive	75.9	75.9	75.9	6.9	6.9	6.9	6.9	6.9	0.0
Daily Total (lb/day)	**679.1**	**628.2**	**628.2**	**317.2**	**317.2**	**317.2**	**367.8**	**368.3**	**51.1**
Maximum Daily Emissions (lb/day)									
Hourly Emissions (lb/hr)[c]									
Equipment Exhaust	0.6	0.6	0.6	0.2	0.2	0.2	0.2	0.3	0.1
On-Site Motor Vehicle Exhaust	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
On-Site Motor Vehicle Fugitive	196.8	180.2	180.2	99.7	99.7	99.7	116.4	116.4	16.6
Earthwork Fugitive	10.3	10.3	10.3	1.7	1.7	1.7	1.7	1.7	0.0
Hourly Total (lb/hour)	**207.9**	**191.2**	**191.2**	**101.7**	**101.7**	**101.7**	**118.4**	**118.4**	**16.7**
Maximum Hourly Emissions (lb/hr)									

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

[c] Hourly emissions are based on simultaneous c

Source[a]
Equipment Exhaust
Motor Vehicle Exhaust
On-Site Motor Vehicle Fugitive
Earthwork Fugitive
Maximum On-Site Total
Peak Month

[a] Emissions from source during period with ma

Table 15-f
On-Site Construction PM2.5 Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
12-Month Running Emissions (ton/year)[a]													
Equipment Exhaust	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
On-Site Motor Vehicle Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Fugitive	5.3	5.4	5.8	6.1	6.0	5.9	5.8	5.7	5.9	5.6	5.6	5.2	5.4
Earthwork Fugitive	2.1	2.1	2.4	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.8	2.5	2.6
12-Month Total (ton/year)	**7.7**	**7.9**	**8.5**	**9.1**	**9.1**	**9.0**	**8.9**	**8.9**	**9.1**	**8.9**	**8.9**	**8.3**	**8.5**
Maximum 12-Month Total (ton/year)	**9.2**												
Monthly Emissions (lb/month)													
Equipment Exhaust	8.1	8.1	8.1	58.6	71.7	71.7	71.7	63.5	66.8	66.8	66.8	58.6	35.3
On-Site Motor Vehicle Exhaust	3.2	3.2	3.2	4.8	5.5	5.5	5.5	3.6	6.0	6.0	6.0	2.8	4.9
On-Site Motor Vehicle Fugitive	608.5	608.5	608.5	952.6	1,083.5	1,083.5	1,083.5	713.8	1,098.1	1,098.1	1,098.1	489.5	970.2
Earthwork Fugitive	0.0	0.0	0.0	462.6	462.6	462.6	462.6	462.6	462.6	462.6	462.6	462.6	46.3
Monthly Total (lb/month)	**619.9**	**619.9**	**619.9**	**1,478.7**	**1,623.2**	**1,623.2**	**1,623.2**	**1,243.5**	**1,633.4**	**1,633.4**	**1,633.4**	**1,013.6**	**1,056.7**
Maximum Monthly Emissions (lb/month)	**1,922.4**												
Daily Emissions (lb/day)[b]													
Equipment Exhaust	0.4	0.4	0.4	2.7	3.3	3.3	3.3	2.9	3.0	3.0	3.0	2.7	1.6
On-Site Motor Vehicle Exhaust	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.1	0.2
On-Site Motor Vehicle Fugitive	27.7	27.7	27.7	43.3	49.3	49.3	49.3	32.4	49.9	49.9	49.9	22.3	44.1
Earthwork Fugitive	0.0	0.0	0.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	2.1
Daily Total (lb/day)	**28.2**	**28.2**	**28.2**	**67.2**	**73.8**	**73.8**	**73.8**	**56.5**	**74.2**	**74.2**	**74.2**	**46.1**	**48.0**
Maximum Daily Emissions (lb/day)	**87.4**												
Hourly Emissions (lb/hr)[c]													
Equipment Exhaust	0.1	0.1	0.1	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2
On-Site Motor Vehicle Exhaust	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1
On-Site Motor Vehicle Fugitive	8.8	8.8	8.8	14.5	16.4	16.4	16.4	11.0	16.3	16.3	16.3	7.5	14.2
Earthwork Fugitive	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.5
Hourly Total (lb/hour)	**8.9**	**8.9**	**8.9**	**17.6**	**19.5**	**19.5**	**19.5**	**14.1**	**19.4**	**19.4**	**19.4**	**10.5**	**15.0**
Maximum Hourly Emissions (lb/hr)	**23.5**												

[a] The value for each month is the total for that month and the next 11 months

[b] Daily emissions = Monthly emissions / 21 working days/month

[c] Hourly emissions are based on simultaneous operation of all emission sources

Source[a]	Hourly (lb/hr)	Daily (lb/day)	Annual (ton/year)
Equipment Exhaust	0.55	4.00	0.46
Motor Vehicle Exhaust	0.11	0.32	0.03
On-Site Motor Vehicle Fugitive	19.71	59.93	5.87
Earthwork Fugitive	3.15	23.13	2.80
Maximum On-Site Total	**23.52**	**87.38**	**9.16**
Peak Month	**40**	**40**	**31**

[a] Emissions from source during period with maximum on-site total emissions

Table 15-f
On-Site Construction PM2.5 Emissions Sum

	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26
12-Month Running Emissions (ton/year)[a]													
Equipment Exhaust	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.5
On-Site Motor Vehicle Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Fugitive	5.4	5.2	5.0	5.0	5.0	4.9	4.9	4.8	4.7	4.6	4.9	4.9	5.1
Earthwork Fugitive	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.6	2.6	2.8	2.8	2.8
12-Month Total (ton/year)	**8.7**	**8.5**	**8.3**	**8.3**	**8.4**	**8.2**	**8.2**	**8.1**	**7.7**	**7.6**	**8.2**	**8.2**	**8.4**
Maximum 12-Month Total (ton/year)													
Monthly Emissions (lb/month)													
Equipment Exhaust	91.3	91.3	83.2	83.2	83.2	89.9	89.9	73.2	100.4	27.2	83.2	83.2	83.2
On-Site Motor Vehicle Exhaust	6.4	6.4	4.5	4.5	4.5	4.8	5.4	3.7	5.4	1.7	4.5	4.5	4.5
On-Site Motor Vehicle Fugitive	1,220.9	1,220.9	851.2	851.2	851.2	920.5	1,031.9	670.2	1,031.9	361.7	851.2	851.2	851.2
Earthwork Fugitive	508.9	508.9	508.9	508.9	508.9	508.9	508.9	462.6	508.9	46.3	508.9	508.9	508.9
Monthly Total (lb/month)	**1,827.5**	**1,827.5**	**1,447.8**	**1,447.8**	**1,447.8**	**1,524.1**	**1,636.1**	**1,209.8**	**1,646.6**	**436.8**	**1,447.8**	**1,447.8**	**1,447.8**
Maximum Monthly Emissions (lb/month)													
Daily Emissions (lb/day)[b]													
Equipment Exhaust	4.2	4.2	3.8	3.8	3.8	4.1	4.1	3.3	4.6	1.2	3.8	3.8	3.8
On-Site Motor Vehicle Exhaust	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2
On-Site Motor Vehicle Fugitive	55.5	55.5	38.7	38.7	38.7	41.8	46.9	30.5	46.9	16.4	38.7	38.7	38.7
Earthwork Fugitive	23.1	23.1	23.1	23.1	23.1	23.1	23.1	21.0	23.1	2.1	23.1	23.1	23.1
Daily Total (lb/day)	**83.1**	**83.1**	**65.8**	**65.8**	**65.8**	**69.3**	**74.4**	**55.0**	**74.8**	**19.9**	**65.8**	**65.8**	**65.8**
Maximum Daily Emissions (lb/day)													
Hourly Emissions (lb/hr)[c]													
Equipment Exhaust	0.6	0.6	0.5	0.5	0.5	0.6	0.6	0.5	0.6	0.2	0.5	0.5	0.5
On-Site Motor Vehicle Exhaust	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1
On-Site Motor Vehicle Fugitive	18.2	18.2	12.8	12.8	12.8	13.9	15.6	10.2	15.6	5.4	12.8	12.8	12.8
Earthwork Fugitive	3.2	3.2	3.2	3.2	3.2	3.2	3.2	2.6	3.2	0.5	3.2	3.2	3.2
Hourly Total (lb/hour)	**22.0**	**22.0**	**16.6**	**16.6**	**16.6**	**17.7**	**19.4**	**13.4**	**19.5**	**6.1**	**16.6**	**16.6**	**16.6**
Maximum Hourly Emissions (lb/hr)													

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

[c] Hourly emissions are based on simultaneous c

Source[a]
Equipment Exhaust
Motor Vehicle Exhaust
On-Site Motor Vehicle Fugitive
Earthwork Fugitive
Maximum On-Site Total
Peak Month

[a] Emissions from source during period with ma

Table 15-f
On-Site Construction PM2.5 Emissions Sum

	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39
12-Month Running Emissions (ton/year)[a]													
Equipment Exhaust	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2
On-Site Motor Vehicle Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Fugitive	5.3	5.2	5.4	5.6	5.9	5.7	5.6	5.8	5.8	5.7	5.3	4.7	4.1
Earthwork Fugitive	2.8	2.8	2.8	2.8	2.8	2.6	2.3	2.3	2.1	1.9	1.6	1.4	1.1
12-Month Total (ton/year)	**8.6**	**8.5**	**8.7**	**8.8**	**9.2**	**8.8**	**8.4**	**8.6**	**8.3**	**8.0**	**7.3**	**6.4**	**5.4**
Maximum 12-Month Total (ton/year)													
Monthly Emissions (lb/month)													
Equipment Exhaust	83.2	83.2	83.2	60.9	88.1	83.2	27.2	83.2	83.2	83.2	83.2	83.2	60.9
On-Site Motor Vehicle Exhaust	4.5	4.5	5.1	3.4	5.1	4.5	1.7	4.6	4.6	4.6	6.3	6.9	3.6
On-Site Motor Vehicle Fugitive	851.2	851.2	962.7	601.0	962.7	851.2	361.7	888.6	888.6	888.6	1,207.1	1,318.5	638.4
Earthwork Fugitive	508.9	508.9	508.9	462.6	508.9	508.9	46.3	508.9	508.9	508.9	508.9	508.9	462.6
Monthly Total (lb/month)	**1,447.8**	**1,447.8**	**1,559.9**	**1,127.9**	**1,564.7**	**1,447.8**	**436.8**	**1,485.3**	**1,485.3**	**1,485.3**	**1,805.5**	**1,917.5**	**1,165.4**
Maximum Monthly Emissions (lb/month)													
Daily Emissions (lb/day)[b]													
Equipment Exhaust	3.8	3.8	3.8	2.8	4.0	3.8	1.2	3.8	3.8	3.8	3.8	3.8	2.8
On-Site Motor Vehicle Exhaust	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.3	0.3	0.2
On-Site Motor Vehicle Fugitive	38.7	38.7	43.8	27.3	43.8	38.7	16.4	40.4	40.4	40.4	54.9	59.9	29.0
Earthwork Fugitive	23.1	23.1	23.1	21.0	23.1	23.1	2.1	23.1	23.1	23.1	23.1	23.1	21.0
Daily Total (lb/day)	**65.8**	**65.8**	**70.9**	**51.3**	**71.1**	**65.8**	**19.9**	**67.5**	**67.5**	**67.5**	**82.1**	**87.2**	**53.0**
Maximum Daily Emissions (lb/day)													
Hourly Emissions (lb/hr)[c]													
Equipment Exhaust	0.5	0.5	0.5	0.4	0.6	0.5	0.2	0.5	0.5	0.5	0.5	0.5	0.4
On-Site Motor Vehicle Exhaust	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
On-Site Motor Vehicle Fugitive	12.8	12.8	14.5	9.1	14.5	12.8	5.4	13.4	13.4	13.4	18.0	19.7	9.7
Earthwork Fugitive	3.2	3.2	3.2	2.6	3.2	3.2	0.5	3.2	3.2	3.2	3.2	3.2	2.6
Hourly Total (lb/hour)	**16.6**	**16.6**	**18.2**	**12.2**	**18.3**	**16.6**	**6.1**	**17.2**	**17.2**	**17.2**	**21.8**	**23.5**	**12.8**
Maximum Hourly Emissions (lb/hr)													

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

[c] Hourly emissions are based on simultaneous c

Source[a]
Equipment Exhaust
Motor Vehicle Exhaust
On-Site Motor Vehicle Fugitive
Earthwork Fugitive
Maximum On-Site Total
Peak Month

[a] Emissions from source during period with ma

Table 15-f
On-Site Construction PM2.5 Emissions Sum

	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
12-Month Running Emissions (ton/year)[a]									
Equipment Exhaust	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0
On-Site Motor Vehicle Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
On-Site Motor Vehicle Fugitive	3.7	3.1	2.5	1.9	1.5	1.2	0.8	0.5	0.1
Earthwork Fugitive	0.9	0.6	0.4	0.1	0.1	0.1	0.0	0.0	0.0
12-Month Total (ton/year)	**4.8**	**3.9**	**3.0**	**2.1**	**1.7**	**1.3**	**0.9**	**0.5**	**0.1**
Maximum 12-Month Total (ton/year)									
Monthly Emissions (lb/month)									
Equipment Exhaust	88.1	83.2	83.2	27.2	27.2	27.2	27.2	37.7	10.5
On-Site Motor Vehicle Exhaust	6.9	6.3	6.3	3.4	3.4	3.4	4.0	4.0	0.6
On-Site Motor Vehicle Fugitive	1,318.5	1,207.1	1,207.1	680.2	680.2	680.2	791.6	791.6	111.5
Earthwork Fugitive	508.9	508.9	508.9	46.3	46.3	46.3	46.3	46.3	0.0
Monthly Total (lb/month)	**1,922.4**	**1,805.5**	**1,805.5**	**757.0**	**757.0**	**757.0**	**869.1**	**879.6**	**122.6**
Maximum Monthly Emissions (lb/month)									
Daily Emissions (lb/day)[b]									
Equipment Exhaust	4.0	3.8	3.8	1.2	1.2	1.2	1.2	1.7	0.5
On-Site Motor Vehicle Exhaust	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.0
On-Site Motor Vehicle Fugitive	59.9	54.9	54.9	30.9	30.9	30.9	36.0	36.0	5.1
Earthwork Fugitive	23.1	23.1	23.1	2.1	2.1	2.1	2.1	2.1	0.0
Daily Total (lb/day)	**87.4**	**82.1**	**82.1**	**34.4**	**34.4**	**34.4**	**39.5**	**40.0**	**5.6**
Maximum Daily Emissions (lb/day)									
Hourly Emissions (lb/hr)[c]									
Equipment Exhaust	0.6	0.5	0.5	0.2	0.2	0.2	0.2	0.3	0.1
On-Site Motor Vehicle Exhaust	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
On-Site Motor Vehicle Fugitive	19.7	18.0	18.0	10.0	10.0	10.0	11.7	11.7	1.7
Earthwork Fugitive	3.2	3.2	3.2	0.5	0.5	0.5	0.5	0.5	0.0
Hourly Total (lb/hour)	**23.5**	**21.8**	**21.8**	**10.8**	**10.8**	**10.8**	**12.4**	**12.5**	**1.8**
Maximum Hourly Emissions (lb/hr)									

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

[c] Hourly emissions are based on simultaneous c

Source[a]
Equipment Exhaust
Motor Vehicle Exhaust
On-Site Motor Vehicle Fugitive
Earthwork Fugitive
Maximum On-Site Total
Peak Month

[a] Emissions from source during period with ma

Table 16-a
Maxiumum Daily On-Site Criteria Pollutant Construction Emissions Summary

Source	Emissions (lb/day)					
	CO	ROG	NOx	SOx	PM10	PM2.5
Equipment Exhaust	53.7	14.3	113.8	0.2	4.4	4.0
Motor Vehicle Exhaust	1.2	0.3	8.7	0.0	0.3	0.3
Paving Fugitive ROG	--	0.3	--	--	--	--
Motor Vehicle Fugitive PM	--	--	--	--	598.5	59.9
Earthwork Fugitive PM	--	--	--	--	75.9	23.1
TOTAL	**54.9**	**14.9**	**122.5**	**0.2**	**679.1**	**87.4**

Table 16-b
Maxiumum Annual On-Site Criteria Pollutant Construction Emissions Summary

Source	Emissions (ton/yr)					
	CO	ROG	NOx	SOx	PM10	PM2.5
Equipment Exhaust	5.6	1.5	12.4	0.0	0.4	0.5
Motor Vehicle Exhaust	0.1	0.0	1.0	0.0	0.0	0.0
Paving Fugitive ROG	--	0.0	--	--	--	--
Motor Vehicle Fugitive PM	--	--	--	--	60.5	5.9
Earthwork Fugitive PM	--	--	--	--	8.6	2.8
TOTAL	**5.8**	**1.6**	**13.4**	**0.0**	**69.5**	**9.2**

Table 17-a
Off-Site Motor Vehicle Numbers

Vehicle Type	Miles/ Day[a]	Number Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
FENCE - MOBILIZATION														
Off-Site Flat Bed Trucks	25	4	4	4	0	4	4	4	0	4	4	4	0	4
Off-Site Water Trucks	25	5	5	5	0	0	0	0	0	0	0	0	0	0
Off-Site Fuel & Lube	25	1	1	1	0	1	1	1	0	1	1	1	0	1
Off-Site Fencing Trucks	25	4	4	4	0	4	4	4	0	4	4	4	0	4
Off-site Concrete Truck	25	0	0.5	0.5	0	0.5	0.5	0.5	0	0.5	0.5	0.5	0	0.5
Porto-Let Truck	25	4	4	4	0	2	2	2	0	2	2	2	0	4
Off-Site Worker Commuter Bus, Small	50	1	1	1	0	1	1	1	0	1	1	1	0	1
Off-Site Worker Commute Car	50	44	44	44	0	44	44	44	0	44	44	44	0	44
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK														
Off-Site Gravel Rock/AC trucks	25	0	0	0	37	37	37	37	37	37	37	37	37	0
Off-Site Water Trucks	25	0	0	0	8	8	8	8	8	8	8	8	8	0
Low Bed Delivery Trucks	25	0	0	0	2	2	2	2	2	2	2	2	2	0
Porto-Let Truck	25	0	0	0	3	3	3	3	3	3	3	3	3	0
Off-Site Worker Commute Car	50	0	0	0	65	65	65	65	65	65	65	65	65	0
PV PANEL CONSTRUCTION														
Off-Site Flat Bed Trucks	25	0	0	0	0	0	0	0	0	0	0	0	0	5
Off-Site PV Panel Trucks	125	0	0	0	0	0	0	0	0	0	0	0	0	75
Off-Site Inverters	30	0	0	0	0	0	0	0	0	0	0	0	0	4
Off-Site Tracker Trucks	30	0	0	0	0	0	0	0	0	0	0	0	0	12
Off-Site Cabling Trucks	25	0	0	0	0	0	0	0	0	0	0	0	0	2
Off-Site Fuel & Lube	25	0	0	0	0	0	0	0	0	0	0	0	0	8
Off-site Concrete Truck	25	0	0	0	0	0	0	0	0	0	0	0	0	10
Off-Site Electrical Truck	25	0	0	0	0	0	0	0	0	0	0	0	0	5
Low Bed Delivery Trucks	25	0	0	0	0	0	0	0	0	0	0	0	0	5
Porto-Let Truck	25	0	0	0	0	0	0	0	0	0	0	0	0	4
Off-Site Worker Commuter Bus, Small	50	0	0	0	0	0	0	0	0	0	0	0	0	2
Off-Site Worker Commute Car	50	0	0	0	0	0	0	0	0	0	0	0	0	359
SUBSTATION-BLDG-WATER TANK CONSTRUCTION														
Off-site Insulation Truck	25	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-site Roof truck	25	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-site Wall Truck	25	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Structural Steel truck	25	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Mechanical Truck	25	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Architechtural Truck	25	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Worker Commute Car	40	0	0	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning														
Off-Site Flat Bed Trucks	25	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Fuel & Lube	25	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-site Concrete Truck	25	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Worker Commute Car	40	0	0	0	0	0	0	0	0	0	0	0	0	0

[a] Except for Off-Site PV Panel Trucks, all travel is assumed to be within Mojave Desert Air Basin. Miles/day for Off-Site PV Panel Trucks is for travel within Mojave Desert Air Basin.

Table 17-a
Off-Site Motor Vehicle Numbers

Vehicle Type	Number Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION												
Off-Site Flat Bed Trucks	4	4	0	0	0	0	0	0	0	0	0	0
Off-Site Water Trucks	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Fuel & Lube	1	1	0	0	0	0	0	0	0	0	0	0
Off-Site Fencing Trucks	4	4	0	0	0	0	0	0	0	0	0	0
Off-site Concrete Truck	0.5	0.5	0	0	0	0	0	0	0	0	0	0
Porto-Let Truck	4	4	0	0	0	0	0	0	0	0	0	0
Off-Site Worker Commuter Bus, Small	1	1	0	0	0	0	0	0	0	0	0	0
Off-Site Worker Commute Car	44	44	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING/RO												
Off-Site Gravel Rock/AC trucks	37	37	37	37	37	37	37	37	37	0	37	37
Off-Site Water Trucks	8	8	8	8	8	8	8	8	8	0	8	8
Low Bed Delivery Trucks	2	2	2	2	2	2	2	2	2	0	2	2
Porto-Let Truck	3	3	3	3	3	3	3	3	3	0	3	3
Off-Site Worker Commute Car	65	65	65	65	65	65	65	65	65	0	65	65
PV PANEL CONSTRUCTION												
Off-Site Flat Bed Trucks	5	5	5	5	5	5	5	0	5	5	5	5
Off-Site PV Panel Trucks	75	75	75	75	75	75	75	0	75	75	75	75
Off-Site Inverters	4	4	4	4	4	4	4	0	4	4	4	4
Off-Site Tracker Trucks	12	12	12	12	12	12	12	0	12	12	12	12
Off-Site Cabling Trucks	2	2	2	2	2	2	2	0	2	2	2	2
Off-Site Fuel & Lube	8	8	8	8	8	8	8	0	8	8	8	8
Off-site Concrete Truck	10	10	10	10	10	10	10	0	10	10	10	10
Off-Site Electrical Truck	5	5	5	5	5	5	5	0	5	5	5	5
Low Bed Delivery Trucks	5	5	5	5	5	5	5	0	5	5	5	5
Porto-Let Truck	4	4	4	4	4	4	4	0	4	4	4	4
Off-Site Worker Commuter Bus, Small	2	2	2	2	2	2	2	0	2	2	2	2
Off-Site Worker Commute Car	359	359	359	359	359	359	359	0	359	359	359	359
SUBSTATION-BLDG-WATER TANK CO												
Off-site Insulation Truck	0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0
Off-site Roof truck	0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0
Off-site Wall Truck	0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0
Off-Site Structural Steel truck	0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0
Off-Site Mechanical Truck	0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0
Off-Site Architechtural Truck	0	0	0	0	0	0.5	0.5	0.5	0.5	0	0	0
Off-Site Worker Commute Car	0	0	0	0	0	56	56	56	56	0	0	0
Testing & Commissioning												
Off-Site Flat Bed Trucks	0	0	0	0	0	0	0.5	0.5	0.5	0	0	0
Off-Site Fuel & Lube	0	0	0	0	0	0	0.5	0.5	0.5	0	0	0
Off-site Concrete Truck	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Worker Commute Car	0	0	0	0	0	0	126	126	126	0	0	0

[a] Except for Off-Site PV Panel Trucks, all

Table 17-a
Off-Site Motor Vehicle Numbers

Vehicle Type	Number Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37
FENCE - MOBILIZATION												
Off-Site Flat Bed Trucks	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Water Trucks	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Fuel & Lube	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Fencing Trucks	0	0	0	0	0	0	0	0	0	0	0	0
Off-site Concrete Truck	0	0	0	0	0	0	0	0	0	0	0	0
Porto-Let Truck	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Worker Commuter Bus, Small	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Worker Commute Car	0	0	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING/RO												
Off-Site Gravel Rock/AC trucks	37	37	37	37	37	37	37	0	37	37	37	37
Off-Site Water Trucks	8	8	8	8	8	8	8	0	8	8	8	8
Low Bed Delivery Trucks	2	2	2	2	2	2	2	0	2	2	2	2
Porto-Let Truck	3	3	3	3	3	3	3	0	3	3	3	3
Off-Site Worker Commute Car	65	65	65	65	65	65	65	0	65	65	65	65
PV PANEL CONSTRUCTION												
Off-Site Flat Bed Trucks	5	5	5	5	0	5	5	5	5	5	5	5
Off-Site PV Panel Trucks	75	75	75	75	0	75	75	75	75	75	75	75
Off-Site Inverters	4	0	0	0	0	4	4	4	4	4	0	0
Off-Site Tracker Trucks	12	0	0	0	0	12	12	12	12	12	0	0
Off-Site Cabling Trucks	2	0	0	0	0	2	2	2	2	2	0	0
Off-Site Fuel & Lube	8	8	8	8	0	8	8	8	8	8	8	8
Off-site Concrete Truck	10	10	10	10	0	10	10	10	10	10	10	10
Off-Site Electrical Truck	5	5	5	5	0	5	5	5	5	5	5	5
Low Bed Delivery Trucks	5	5	5	5	0	5	5	5	5	5	5	5
Porto-Let Truck	4	4	4	4	0	4	4	4	4	4	4	4
Off-Site Worker Commuter Bus, Small	2	2	2	2	0	2	2	2	2	2	2	2
Off-Site Worker Commute Car	359	359	359	359	0	359	359	359	359	359	359	359
SUBSTATION-BLDG-WATER TANK CO												
Off-site Insulation Truck	0	0	0	0	0	0	0	0	0	0	0	0
Off-site Roof truck	0	0	0	0	0	0	0	0	0	0	0	0
Off-site Wall Truck	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Structural Steel truck	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Mechanical Truck	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Architechtural Truck	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Worker Commute Car	0	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning												
Off-Site Flat Bed Trucks	0	0	0	0.5	0.5	0.5	0	0	0	0	0	0
Off-Site Fuel & Lube	0	0	0	0.5	0.5	0.5	0	0	0	0	0	0
Off-site Concrete Truck	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Worker Commute Car	0	0	0	126	126	126	0	0	0	0	0	0

[a] Except for Off-Site PV Panel Trucks, all

Table 17-a
Off-Site Motor Vehicle Numbers

Vehicle Type	Number Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION											
Off-Site Flat Bed Trucks	0	0	0	0	0	0	0	0	0	0	0
Off-Site Water Trucks	0	0	0	0	0	0	0	0	0	0	0
Off-Site Fuel & Lube	0	0	0	0	0	0	0	0	0	0	0
Off-Site Fencing Trucks	0	0	0	0	0	0	0	0	0	0	0
Off-site Concrete Truck	0	0	0	0	0	0	0	0	0	0	0
Porto-Let Truck	0	0	0	0	0	0	0	0	0	0	0
Off-Site Worker Commuter Bus, Small	0	0	0	0	0	0	0	0	0	0	0
Off-Site Worker Commute Car	0	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING/RO											
Off-Site Gravel Rock/AC trucks	37	37	37	37	37	0	0	0	0	0	0
Off-Site Water Trucks	8	8	8	8	8	0	0	0	0	0	0
Low Bed Delivery Trucks	2	2	2	2	2	0	0	0	0	0	0
Porto-Let Truck	3	3	3	3	3	0	0	0	0	0	0
Off-Site Worker Commute Car	65	65	65	65	65	0	0	0	0	0	0
PV PANEL CONSTRUCTION											
Off-Site Flat Bed Trucks	5	0	5	5	5	5	5	5	5	5	0
Off-Site PV Panel Trucks	75	0	75	75	75	75	75	75	75	75	0
Off-Site Inverters	0	0	4	4	4	4	4	4	4	4	0
Off-Site Tracker Trucks	0	0	12	12	12	12	12	12	12	12	0
Off-Site Cabling Trucks	0	0	2	2	2	2	2	2	2	2	0
Off-Site Fuel & Lube	8	0	8	8	8	8	8	8	8	8	0
Off-site Concrete Truck	10	0	10	10	10	10	10	10	10	10	0
Off-Site Electrical Truck	5	0	5	5	5	5	5	5	5	5	0
Low Bed Delivery Trucks	5	0	5	5	5	5	5	5	5	5	0
Porto-Let Truck	4	0	4	4	4	4	4	4	4	4	0
Off-Site Worker Commuter Bus, Small	2	0	3	4	5	6	7	8	9	10	0
Off-Site Worker Commute Car	359	0	359	359	359	359	359	359	359	359	0
SUBSTATION-BLDG-WATER TANK CO											
Off-site Insulation Truck	0	0	0	0	0	0	0	0	0	0	0
Off-site Roof truck	0	0	0	0	0	0	0	0	0	0	0
Off-site Wall Truck	0	0	0	0	0	0	0	0	0	0	0
Off-Site Structural Steel truck	0	0	0	0	0	0	0	0	0	0	0
Off-Site Mechanical Truck	0	0	0	0	0	0	0	0	0	0	0
Off-Site Architechtural Truck	0	0	0	0	0	0	0	0	0	0	0
Off-Site Worker Commute Car	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning											
Off-Site Flat Bed Trucks	0.5	0.5	0.5	0	0	0	0	0	0.5	0.5	0.5
Off-Site Fuel & Lube	0.5	0.5	0.5	0	0	0	0	0	0.5	0.5	0.5
Off-site Concrete Truck	0	0	0	0	0	0	0	0	1	1	1
Off-Site Worker Commute Car	126	126	126	0	0	0	0	0	126	126	126

[a] Except for Off-Site PV Panel Trucks, all

Table 17-b
Monthly Off-Site Motor Vehicle Use

Vehicle Type	Miles/Month[a]													
	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14
FENCE - MOBILIZATION														
Off-Site Flat Bed Trucks	2,200	2,200	2,200	0	2,200	2,200	2,200	0	2,200	2,200	2,200	0	2,200	2,200
Off-Site Water Trucks	2,750	2,750	2,750	0	0	0	0	0	0	0	0	0	0	0
Off-Site Fuel & Lube	550	550	550	0	550	550	550	0	550	550	550	0	550	550
Off-Site Fencing Trucks	2,200	2,200	2,200	0	2,200	2,200	2,200	0	2,200	2,200	2,200	0	2,200	2,200
Off-site Concrete Truck	0	275	275	0	275	275	275	0	275	275	275	0	275	275
Porto-Let Truck	2,200	2,200	2,200	0	1,100	1,100	1,100	0	1,100	1,100	1,100	0	2,200	2,200
Off-Site Worker Commuter Bus, Small	1,100	1,100	1,100	0	1,100	1,100	1,100	0	1,100	1,100	1,100	0	1,100	1,100
Off-Site Worker Commute Car	48,400	48,400	48,400	0	48,400	48,400	48,400	0	48,400	48,400	48,400	0	48,400	48,400
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK														
Off-Site Gravel Rock/AC trucks	0	0	0	20,350	20,350	20,350	20,350	20,350	20,350	20,350	20,350	20,350	0	20,350
Off-Site Water Trucks	0	0	0	4,400	4,400	4,400	4,400	4,400	4,400	4,400	4,400	4,400	0	4,400
Low Bed Delivery Trucks	0	0	0	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	0	1,100
Porto-Let Truck	0	0	0	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	0	1,650
Off-Site Worker Commute Car	0	0	0	71,500	71,500	71,500	71,500	71,500	71,500	71,500	71,500	71,500	0	71,500
PV PANEL CONSTRUCTION														
Off-Site Flat Bed Trucks	0	0	0	0	0	0	0	0	0	0	0	0	2,750	2,750
Off-Site PV Panel Trucks	0	0	0	0	0	0	0	0	0	0	0	0	206,250	206,250
Off-Site Inverters	0	0	0	0	0	0	0	0	0	0	0	0	2,640	2,640
Off-Site Tracker Trucks	0	0	0	0	0	0	0	0	0	0	0	0	7,920	7,920
Off-Site Cabling Trucks	0	0	0	0	0	0	0	0	0	0	0	0	1,100	1,100
Off-Site Fuel & Lube	0	0	0	0	0	0	0	0	0	0	0	0	4,400	4,400
Off-site Concrete Truck	0	0	0	0	0	0	0	0	0	0	0	0	5,500	5,500
Off-Site Electrical Truck	0	0	0	0	0	0	0	0	0	0	0	0	2,750	2,750
Low Bed Delivery Trucks	0	0	0	0	0	0	0	0	0	0	0	0	2,750	2,750
Porto-Let Truck	0	0	0	0	0	0	0	0	0	0	0	0	2,200	2,200
Off-Site Worker Commuter Bus, Small	0	0	0	0	0	0	0	0	0	0	0	0	2,200	2,200
Off-Site Worker Commute Car	0	0	0	0	0	0	0	0	0	0	0	0	394,900	394,900
SUBSTATION-BLDG-WATER TANK CONSTRUCTION														
Off-site Insulation Truck	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-site Roof truck	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-site Wall Truck	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Structural Steel truck	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Mechanical Truck	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Architechtural Truck	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Worker Commute Car	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning														
Off-Site Flat Bed Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Fuel & Lube	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-site Concrete Truck	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Worker Commute Car	0	0	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on 22 working days/month

Table 17-b
Monthly Off-Site Motor Vehicle Use

Vehicle Type	Miles/Month[a]											
	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26
FENCE - MOBILIZATION												
Off-Site Flat Bed Trucks	2,200	0	0	0	0	0	0	0	0	0	0	0
Off-Site Water Trucks	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Fuel & Lube	550	0	0	0	0	0	0	0	0	0	0	0
Off-Site Fencing Trucks	2,200	0	0	0	0	0	0	0	0	0	0	0
Off-site Concrete Truck	275	0	0	0	0	0	0	0	0	0	0	0
Porto-Let Truck	2,200	0	0	0	0	0	0	0	0	0	0	0
Off-Site Worker Commuter Bus, Small	1,100	0	0	0	0	0	0	0	0	0	0	0
Off-Site Worker Commute Car	48,400	0	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING/RO												
Off-Site Gravel Rock/AC trucks	20,350	20,350	20,350	20,350	20,350	20,350	20,350	20,350	0	20,350	20,350	20,350
Off-Site Water Trucks	4,400	4,400	4,400	4,400	4,400	4,400	4,400	4,400	0	4,400	4,400	4,400
Low Bed Delivery Trucks	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	0	1,100	1,100	1,100
Porto-Let Truck	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	0	1,650	1,650	1,650
Off-Site Worker Commute Car	71,500	71,500	71,500	71,500	71,500	71,500	71,500	71,500	0	71,500	71,500	71,500
PV PANEL CONSTRUCTION												
Off-Site Flat Bed Trucks	2,750	2,750	2,750	2,750	2,750	2,750	0	2,750	2,750	2,750	2,750	2,750
Off-Site PV Panel Trucks	206,250	206,250	206,250	206,250	206,250	206,250	0	206,250	206,250	206,250	206,250	206,250
Off-Site Inverters	2,640	2,640	2,640	2,640	2,640	2,640	0	2,640	2,640	2,640	2,640	2,640
Off-Site Tracker Trucks	7,920	7,920	7,920	7,920	7,920	7,920	0	7,920	7,920	7,920	7,920	7,920
Off-Site Cabling Trucks	1,100	1,100	1,100	1,100	1,100	1,100	0	1,100	1,100	1,100	1,100	1,100
Off-Site Fuel & Lube	4,400	4,400	4,400	4,400	4,400	4,400	0	4,400	4,400	4,400	4,400	4,400
Off-site Concrete Truck	5,500	5,500	5,500	5,500	5,500	5,500	0	5,500	5,500	5,500	5,500	5,500
Off-Site Electrical Truck	2,750	2,750	2,750	2,750	2,750	2,750	0	2,750	2,750	2,750	2,750	2,750
Low Bed Delivery Trucks	2,750	2,750	2,750	2,750	2,750	2,750	0	2,750	2,750	2,750	2,750	2,750
Porto-Let Truck	2,200	2,200	2,200	2,200	2,200	2,200	0	2,200	2,200	2,200	2,200	2,200
Off-Site Worker Commuter Bus, Small	2,200	2,200	2,200	2,200	2,200	2,200	0	2,200	2,200	2,200	2,200	2,200
Off-Site Worker Commute Car	394,900	394,900	394,900	394,900	394,900	394,900	0	394,900	394,900	394,900	394,900	394,900
SUBSTATION-BLDG-WATER TANK CO												
Off-site Insulation Truck	0	0	0	0	275	275	275	275	0	0	0	0
Off-site Roof truck	0	0	0	0	275	275	275	275	0	0	0	0
Off-site Wall Truck	0	0	0	0	275	275	275	275	0	0	0	0
Off-Site Structural Steel truck	0	0	0	0	275	275	275	275	0	0	0	0
Off-Site Mechanical Truck	0	0	0	0	275	275	275	275	0	0	0	0
Off-Site Architechtural Truck	0	0	0	0	275	275	275	275	0	0	0	0
Off-Site Worker Commute Car	0	0	0	0	49,280	49,280	49,280	49,280	0	0	0	0
Testing & Commissioning												
Off-Site Flat Bed Trucks	0	0	0	0	0	275	275	275	0	0	0	0
Off-Site Fuel & Lube	0	0	0	0	0	275	275	275	0	0	0	0
Off-site Concrete Truck	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Worker Commute Car	0	0	0	0	0	110,880	110,880	110,880	0	0	0	0

[a] Based on 22 working days/month

Table 17-b
Monthly Off-Site Motor Vehicle Use

Vehicle Type	Miles/Month[a]											
	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
FENCE - MOBILIZATION												
Off-Site Flat Bed Trucks	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Water Trucks	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Fuel & Lube	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Fencing Trucks	0	0	0	0	0	0	0	0	0	0	0	0
Off-site Concrete Truck	0	0	0	0	0	0	0	0	0	0	0	0
Porto-Let Truck	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Worker Commuter Bus, Small	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Worker Commute Car	0	0	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING/RO												
Off-Site Gravel Rock/AC trucks	20,350	20,350	20,350	20,350	20,350	20,350	0	20,350	20,350	20,350	20,350	20,350
Off-Site Water Trucks	4,400	4,400	4,400	4,400	4,400	4,400	0	4,400	4,400	4,400	4,400	4,400
Low Bed Delivery Trucks	1,100	1,100	1,100	1,100	1,100	1,100	0	1,100	1,100	1,100	1,100	1,100
Porto-Let Truck	1,650	1,650	1,650	1,650	1,650	1,650	0	1,650	1,650	1,650	1,650	1,650
Off-Site Worker Commute Car	71,500	71,500	71,500	71,500	71,500	71,500	0	71,500	71,500	71,500	71,500	71,500
PV PANEL CONSTRUCTION												
Off-Site Flat Bed Trucks	2,750	2,750	2,750	0	2,750	2,750	2,750	2,750	2,750	2,750	2,750	2,750
Off-Site PV Panel Trucks	206,250	206,250	206,250	0	206,250	206,250	206,250	206,250	206,250	206,250	206,250	206,250
Off-Site Inverters	0	0	0	0	2,640	2,640	2,640	2,640	2,640	0	0	0
Off-Site Tracker Trucks	0	0	0	0	7,920	7,920	7,920	7,920	7,920	0	0	0
Off-Site Cabling Trucks	0	0	0	0	1,100	1,100	1,100	1,100	1,100	0	0	0
Off-Site Fuel & Lube	4,400	4,400	4,400	0	4,400	4,400	4,400	4,400	4,400	4,400	4,400	4,400
Off-site Concrete Truck	5,500	5,500	5,500	0	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500
Off-Site Electrical Truck	2,750	2,750	2,750	0	2,750	2,750	2,750	2,750	2,750	2,750	2,750	2,750
Low Bed Delivery Trucks	2,750	2,750	2,750	0	2,750	2,750	2,750	2,750	2,750	2,750	2,750	2,750
Porto-Let Truck	2,200	2,200	2,200	0	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200
Off-Site Worker Commuter Bus, Small	2,200	2,200	2,200	0	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200
Off-Site Worker Commute Car	394,900	394,900	394,900	0	394,900	394,900	394,900	394,900	394,900	394,900	394,900	394,900
SUBSTATION-BLDG-WATER TANK CO												
Off-site Insulation Truck	0	0	0	0	0	0	0	0	0	0	0	0
Off-site Roof truck	0	0	0	0	0	0	0	0	0	0	0	0
Off-site Wall Truck	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Structural Steel truck	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Mechanical Truck	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Architechtural Truck	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Worker Commute Car	0	0	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning												
Off-Site Flat Bed Trucks	0	0	275	275	275	0	0	0	0	0	0	275
Off-Site Fuel & Lube	0	0	275	275	275	0	0	0	0	0	0	275
Off-site Concrete Truck	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Worker Commute Car	0	0	110,880	110,880	110,880	0	0	0	0	0	0	110,880

[a] Based on 22 working days/month

Table 17-b
Monthly Off-Site Motor Vehicle Use

Vehicle Type	Miles/Month[a]									
	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION										
Off-Site Flat Bed Trucks	0	0	0	0	0	0	0	0	0	0
Off-Site Water Trucks	0	0	0	0	0	0	0	0	0	0
Off-Site Fuel & Lube	0	0	0	0	0	0	0	0	0	0
Off-Site Fencing Trucks	0	0	0	0	0	0	0	0	0	0
Off-site Concrete Truck	0	0	0	0	0	0	0	0	0	0
Porto-Let Truck	0	0	0	0	0	0	0	0	0	0
Off-Site Worker Commuter Bus, Small	0	0	0	0	0	0	0	0	0	0
Off-Site Worker Commute Car	0	0	0	0	0	0	0	0	0	0
CIVIL IMPROVEMENTS - GRADING/RO										
Off-Site Gravel Rock/AC trucks	20,350	20,350	20,350	20,350	0	0	0	0	0	0
Off-Site Water Trucks	4,400	4,400	4,400	4,400	0	0	0	0	0	0
Low Bed Delivery Trucks	1,100	1,100	1,100	1,100	0	0	0	0	0	0
Porto-Let Truck	1,650	1,650	1,650	1,650	0	0	0	0	0	0
Off-Site Worker Commute Car	71,500	71,500	71,500	71,500	0	0	0	0	0	0
PV PANEL CONSTRUCTION										
Off-Site Flat Bed Trucks	0	2,750	2,750	2,750	2,750	2,750	2,750	2,750	2,750	0
Off-Site PV Panel Trucks	0	206,250	206,250	206,250	206,250	206,250	206,250	206,250	206,250	0
Off-Site Inverters	0	2,640	2,640	2,640	2,640	2,640	2,640	2,640	2,640	0
Off-Site Tracker Trucks	0	7,920	7,920	7,920	7,920	7,920	7,920	7,920	7,920	0
Off-Site Cabling Trucks	0	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	0
Off-Site Fuel & Lube	0	4,400	4,400	4,400	4,400	4,400	4,400	4,400	4,400	0
Off-site Concrete Truck	0	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	0
Off-Site Electrical Truck	0	2,750	2,750	2,750	2,750	2,750	2,750	2,750	2,750	0
Low Bed Delivery Trucks	0	2,750	2,750	2,750	2,750	2,750	2,750	2,750	2,750	0
Porto-Let Truck	0	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	0
Off-Site Worker Commuter Bus, Small	0	3,300	4,400	5,500	6,600	7,700	8,800	9,900	11,000	0
Off-Site Worker Commute Car	0	394,900	394,900	394,900	394,900	394,900	394,900	394,900	394,900	0
SUBSTATION-BLDG-WATER TANK CO										
Off-site Insulation Truck	0	0	0	0	0	0	0	0	0	0
Off-site Roof truck	0	0	0	0	0	0	0	0	0	0
Off-site Wall Truck	0	0	0	0	0	0	0	0	0	0
Off-Site Structural Steel truck	0	0	0	0	0	0	0	0	0	0
Off-Site Mechanical Truck	0	0	0	0	0	0	0	0	0	0
Off-Site Architechtural Truck	0	0	0	0	0	0	0	0	0	0
Off-Site Worker Commute Car	0	0	0	0	0	0	0	0	0	0
Testing & Commissioning										
Off-Site Flat Bed Trucks	275	275	0	0	0	0	0	275	275	275
Off-Site Fuel & Lube	275	275	0	0	0	0	0	275	275	275
Off-site Concrete Truck	0	0	0	0	0	0	0	550	550	550
Off-Site Worker Commute Car	110,880	110,880	0	0	0	0	0	110,880	110,880	110,880

[a] Based on 22 working days/month

Table 17-c
Monthly Off-Site Motor Vehicle CO Emissions

Vehicle Type	Emission Factor (lb/mi)	CO Emissions (lb/month)												
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
FENCE - MOBILIZATION														
Off-Site Flat Bed Trucks	4.02E-03	8.8	8.8	8.8	0.0	8.8	8.8	8.8	0.0	8.8	8.8	8.8	0.0	8.8
Off-Site Water Trucks	3.25E-03	8.9	8.9	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	1.85E-03	1.0	1.0	1.0	0.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	0.0	1.0
Off-Site Fencing Trucks	4.02E-03	8.8	8.8	8.8	0.0	8.8	8.8	8.8	0.0	8.8	8.8	8.8	0.0	8.8
Off-site Concrete Truck	3.25E-03	0.0	0.9	0.9	0.0	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.0	0.9
Porto-Let Truck	1.85E-03	4.1	4.1	4.1	0.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	0.0	4.1
Off-Site Worker Commuter Bus, Small	1.89E-03	2.1	2.1	2.1	0.0	2.1	2.1	2.1	0.0	2.1	2.1	2.1	0.0	2.1
Off-Site Worker Commute Car	9.00E-03	435.6	435.6	435.6	0.0	435.6	435.6	435.6	0.0	435.6	435.6	435.6	0.0	435.6
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK														
Off-Site Gravel Rock/AC trucks	4.02E-03	0.0	0.0	0.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	0.0
Off-Site Water Trucks	3.25E-03	0.0	0.0	0.0	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	0.0
Low Bed Delivery Trucks	4.02E-03	0.0	0.0	0.0	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	0.0
Porto-Let Truck	1.85E-03	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.0
Off-Site Worker Commute Car	9.00E-03	0.0	0.0	0.0	643.6	643.6	643.6	643.6	643.6	643.6	643.6	643.6	643.6	0.0
PV PANEL CONSTRUCTION														
Off-Site Flat Bed Trucks	4.02E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0
Off-Site PV Panel Trucks	4.02E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	828.2
Off-Site Inverters	4.02E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6
Off-Site Tracker Trucks	4.02E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.8
Off-Site Cabling Trucks	3.25E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6
Off-Site Fuel & Lube	1.85E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1
Off-site Concrete Truck	3.25E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.9
Off-Site Electrical Truck	4.02E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0
Low Bed Delivery Trucks	4.02E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0
Porto-Let Truck	1.85E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1
Off-Site Worker Commuter Bus, Small	1.89E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2
Off-Site Worker Commute Car	9.00E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,554.5
SUBSTATION-BLDG-WATER TANK CONSTRUCTION														
Off-site Insulation Truck	4.02E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	4.02E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	4.02E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	4.02E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	4.02E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	4.02E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	9.00E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Off-Site Flat Bed Trucks	4.02E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	1.85E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	3.25E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	9.00E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**469.4**	**470.3**	**470.3**	**747.1**	**1,206.4**	**1,206.4**	**1,206.4**	**747.1**	**1,206.4**	**1,206.4**	**1,206.4**	**747.1**	**4,957.3**

Table 17-c
Monthly Off-Site Motor Vehicle CO Emi

Vehicle Type	CO Emissions (lb/month)											
	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION												
Off-Site Flat Bed Trucks	8.8	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	8.8	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	4.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	435.6	435.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO												
Off-Site Gravel Rock/AC trucks	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	0.0	81.7	81.7
Off-Site Water Trucks	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	0.0	14.3	14.3
Low Bed Delivery Trucks	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	0.0	4.4	4.4
Porto-Let Truck	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1
Off-Site Worker Commute Car	643.6	643.6	643.6	643.6	643.6	643.6	643.6	643.6	643.6	0.0	643.6	643.6
PV PANEL CONSTRUCTION												
Off-Site Flat Bed Trucks	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0.0	11.0	11.0	11.0	11.0
Off-Site PV Panel Trucks	828.2	828.2	828.2	828.2	828.2	828.2	828.2	0.0	828.2	828.2	828.2	828.2
Off-Site Inverters	10.6	10.6	10.6	10.6	10.6	10.6	10.6	0.0	10.6	10.6	10.6	10.6
Off-Site Tracker Trucks	31.8	31.8	31.8	31.8	31.8	31.8	31.8	0.0	31.8	31.8	31.8	31.8
Off-Site Cabling Trucks	3.6	3.6	3.6	3.6	3.6	3.6	3.6	0.0	3.6	3.6	3.6	3.6
Off-Site Fuel & Lube	8.1	8.1	8.1	8.1	8.1	8.1	8.1	0.0	8.1	8.1	8.1	8.1
Off-site Concrete Truck	17.9	17.9	17.9	17.9	17.9	17.9	17.9	0.0	17.9	17.9	17.9	17.9
Off-Site Electrical Truck	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0.0	11.0	11.0	11.0	11.0
Low Bed Delivery Trucks	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0.0	11.0	11.0	11.0	11.0
Porto-Let Truck	4.1	4.1	4.1	4.1	4.1	4.1	4.1	0.0	4.1	4.1	4.1	4.1
Off-Site Worker Commuter Bus, Small	4.2	4.2	4.2	4.2	4.2	4.2	4.2	0.0	4.2	4.2	4.2	4.2
Off-Site Worker Commute Car	3,554.5	3,554.5	3,554.5	3,554.5	3,554.5	3,554.5	3,554.5	0.0	3,554.5	3,554.5	3,554.5	3,554.5
SUBSTATION-BLDG-WATER TANK CO												
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	443.6	443.6	443.6	443.6	0.0	0.0	0.0
Testing & Commissioning												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	998.0	998.0	998.0	0.0	0.0	0.0
TOTAL (lb/month)	**5,704.4**	**5,704.4**	**5,243.0**	**5,243.0**	**5,243.0**	**5,693.2**	**6,692.9**	**2,196.9**	**6,692.9**	**4,496.0**	**5,243.0**	**5,243.0**

Table 17-c
Monthly Off-Site Motor Vehicle CO Emi

	CO Emissions (lb/month)											
Vehicle Type	**Month 26**	**Month 27**	**Month 28**	**Month 29**	**Month 30**	**Month 31**	**Month 32**	**Month 33**	**Month 34**	**Month 35**	**Month 36**	**Month 37**
FENCE - MOBILIZATION												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO												
Off-Site Gravel Rock/AC trucks	81.7	81.7	81.7	81.7	81.7	81.7	81.7	0.0	81.7	81.7	81.7	81.7
Off-Site Water Trucks	14.3	14.3	14.3	14.3	14.3	14.3	14.3	0.0	14.3	14.3	14.3	14.3
Low Bed Delivery Trucks	4.4	4.4	4.4	4.4	4.4	4.4	4.4	0.0	4.4	4.4	4.4	4.4
Porto-Let Truck	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1
Off-Site Worker Commute Car	643.6	643.6	643.6	643.6	643.6	643.6	643.6	0.0	643.6	643.6	643.6	643.6
PV PANEL CONSTRUCTION												
Off-Site Flat Bed Trucks	11.0	11.0	11.0	11.0	0.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
Off-Site PV Panel Trucks	828.2	828.2	828.2	828.2	0.0	828.2	828.2	828.2	828.2	828.2	828.2	828.2
Off-Site Inverters	10.6	0.0	0.0	0.0	0.0	10.6	10.6	10.6	10.6	10.6	0.0	0.0
Off-Site Tracker Trucks	31.8	0.0	0.0	0.0	0.0	31.8	31.8	31.8	31.8	31.8	0.0	0.0
Off-Site Cabling Trucks	3.6	0.0	0.0	0.0	0.0	3.6	3.6	3.6	3.6	3.6	0.0	0.0
Off-Site Fuel & Lube	8.1	8.1	8.1	8.1	0.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1
Off-site Concrete Truck	17.9	17.9	17.9	17.9	0.0	17.9	17.9	17.9	17.9	17.9	17.9	17.9
Off-Site Electrical Truck	11.0	11.0	11.0	11.0	0.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
Low Bed Delivery Trucks	11.0	11.0	11.0	11.0	0.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
Porto-Let Truck	4.1	4.1	4.1	4.1	0.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Off-Site Worker Commuter Bus, Small	4.2	4.2	4.2	4.2	0.0	4.2	4.2	4.2	4.2	4.2	4.2	4.2
Off-Site Worker Commute Car	3,554.5	3,554.5	3,554.5	3,554.5	0.0	3,554.5	3,554.5	3,554.5	3,554.5	3,554.5	3,554.5	3,554.5
SUBSTATION-BLDG-WATER TANK CO												
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	998.0	998.0	998.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**5,243.0**	**5,197.0**	**5,197.0**	**6,196.7**	**1,746.7**	**6,242.7**	**5,243.0**	**4,496.0**	**5,243.0**	**5,243.0**	**5,197.0**	**5,197.0**

Table 17-c
Monthly Off-Site Motor Vehicle CO Emi

Vehicle Type	CO Emissions (lb/month)										
	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION											
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO											
Off-Site Gravel Rock/AC trucks	81.7	81.7	81.7	81.7	81.7	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	14.3	14.3	14.3	14.3	14.3	0.0	0.0	0.0	0.0	0.0	0.0
Low Bed Delivery Trucks	4.4	4.4	4.4	4.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	643.6	643.6	643.6	643.6	643.6	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION											
Off-Site Flat Bed Trucks	11.0	0.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0.0
Off-Site PV Panel Trucks	828.2	0.0	828.2	828.2	828.2	828.2	828.2	828.2	828.2	828.2	0.0
Off-Site Inverters	0.0	0.0	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	0.0
Off-Site Tracker Trucks	0.0	0.0	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	0.0
Off-Site Cabling Trucks	0.0	0.0	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	0.0
Off-Site Fuel & Lube	8.1	0.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	0.0
Off-site Concrete Truck	17.9	0.0	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	0.0
Off-Site Electrical Truck	11.0	0.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0.0
Low Bed Delivery Trucks	11.0	0.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0.0
Porto-Let Truck	4.1	0.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	0.0
Off-Site Worker Commuter Bus, Small	4.2	0.0	6.2	8.3	10.4	12.5	14.5	16.6	18.7	20.8	0.0
Off-Site Worker Commute Car	3,554.5	0.0	3,554.5	3,554.5	3,554.5	3,554.5	3,554.5	3,554.5	3,554.5	3,554.5	0.0
SUBSTATION-BLDG-WATER TANK CO											
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning											
Off-Site Flat Bed Trucks	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
Off-Site Fuel & Lube	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8
Off-Site Worker Commute Car	998.0	998.0	998.0	0.0	0.0	0.0	0.0	0.0	998.0	998.0	998.0
TOTAL (lb/month)	**6,196.7**	**1,746.7**	**6,244.7**	**5,247.2**	**5,249.3**	**4,504.3**	**4,506.4**	**4,508.4**	**5,511.9**	**5,514.0**	**1,001.4**

Table 17-d
Monthly Off-Site Motor Vehicle ROG Emissions

Vehicle Type	Emission Factor (lb/mi)	ROG Emissions (lb/month)												
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
FENCE - MOBILIZATION														
Off-Site Flat Bed Trucks	8.37E-04	1.8	1.8	1.8	0.0	1.8	1.8	1.8	0.0	1.8	1.8	1.8	0.0	1.8
Off-Site Water Trucks	7.11E-04	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	4.13E-04	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0	0.2
Off-Site Fencing Trucks	8.37E-04	1.8	1.8	1.8	0.0	1.8	1.8	1.8	0.0	1.8	1.8	1.8	0.0	1.8
Off-site Concrete Truck	7.11E-04	0.0	0.2	0.2	0.0	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0	0.2
Porto-Let Truck	4.13E-04	0.9	0.9	0.9	0.0	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.0	0.9
Off-Site Worker Commuter Bus, Small	5.29E-04	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.0	0.6
Off-Site Worker Commute Car	1.07E-03	51.6	51.6	51.6	0.0	51.6	51.6	51.6	0.0	51.6	51.6	51.6	0.0	51.6
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK														
Off-Site Gravel Rock/AC trucks	8.37E-04	0.0	0.0	0.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	0.0
Off-Site Water Trucks	7.11E-04	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.0
Low Bed Delivery Trucks	8.37E-04	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0
Porto-Let Truck	4.13E-04	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0
Off-Site Worker Commute Car	1.07E-03	0.0	0.0	0.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	0.0
PV PANEL CONSTRUCTION														
Off-Site Flat Bed Trucks	8.37E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
Off-Site PV Panel Trucks	8.37E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	172.7
Off-Site Inverters	8.37E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
Off-Site Tracker Trucks	8.37E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6
Off-Site Cabling Trucks	7.11E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
Off-Site Fuel & Lube	4.13E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
Off-site Concrete Truck	7.11E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
Off-Site Electrical Truck	8.37E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
Low Bed Delivery Trucks	8.37E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
Porto-Let Truck	4.13E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
Off-Site Worker Commuter Bus, Small	5.29E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
Off-Site Worker Commute Car	1.07E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	420.7
SUBSTATION-BLDG-WATER TANK CONSTRUCTION														
Off-site Insulation Truck	8.37E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	8.37E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	8.37E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	8.37E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	8.37E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	8.37E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	1.07E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Off-Site Flat Bed Trucks	8.37E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	4.13E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	7.11E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	1.07E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**58.9**	**59.1**	**59.1**	**97.9**	**154.6**	**154.6**	**154.6**	**97.9**	**154.6**	**154.6**	**154.6**	**97.9**	**674.8**

Table 17-d
Monthly Off-Site Motor Vehicle ROG Er

Vehicle Type	ROG Emissions (lb/month)											
	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION												
Off-Site Flat Bed Trucks	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	51.6	51.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO												
Off-Site Gravel Rock/AC trucks	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	0.0	17.0	17.0
Off-Site Water Trucks	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1
Low Bed Delivery Trucks	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9
Porto-Let Truck	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7
Off-Site Worker Commute Car	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	0.0	76.2	76.2
PV PANEL CONSTRUCTION												
Off-Site Flat Bed Trucks	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
Off-Site PV Panel Trucks	172.7	172.7	172.7	172.7	172.7	172.7	172.7	0.0	172.7	172.7	172.7	172.7
Off-Site Inverters	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2
Off-Site Tracker Trucks	6.6	6.6	6.6	6.6	6.6	6.6	6.6	0.0	6.6	6.6	6.6	6.6
Off-Site Cabling Trucks	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
Off-Site Fuel & Lube	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8
Off-site Concrete Truck	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	3.9	3.9	3.9	3.9
Off-Site Electrical Truck	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
Low Bed Delivery Trucks	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
Porto-Let Truck	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9
Off-Site Worker Commuter Bus, Small	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2
Off-Site Worker Commute Car	420.7	420.7	420.7	420.7	420.7	420.7	420.7	0.0	420.7	420.7	420.7	420.7
SUBSTATION-BLDG-WATER TANK CO												
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	52.5	52.5	52.5	52.5	0.0	0.0	0.0
Testing & Commissioning												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	118.1	118.1	118.1	0.0	0.0	0.0
TOTAL (lb/month)	**772.8**	**772.8**	**715.6**	**715.6**	**715.6**	**769.5**	**887.9**	**270.3**	**887.9**	**617.7**	**715.6**	**715.6**

Table 17-d
Monthly Off-Site Motor Vehicle ROG Er

	ROG Emissions (lb/month)											
Vehicle Type	**Month 26**	**Month 27**	**Month 28**	**Month 29**	**Month 30**	**Month 31**	**Month 32**	**Month 33**	**Month 34**	**Month 35**	**Month 36**	**Month 37**
FENCE - MOBILIZATION												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO												
Off-Site Gravel Rock/AC trucks	17.0	17.0	17.0	17.0	17.0	17.0	17.0	0.0	17.0	17.0	17.0	17.0
Off-Site Water Trucks	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1
Low Bed Delivery Trucks	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9
Porto-Let Truck	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7
Off-Site Worker Commute Car	76.2	76.2	76.2	76.2	76.2	76.2	76.2	0.0	76.2	76.2	76.2	76.2
PV PANEL CONSTRUCTION												
Off-Site Flat Bed Trucks	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Off-Site PV Panel Trucks	172.7	172.7	172.7	172.7	0.0	172.7	172.7	172.7	172.7	172.7	172.7	172.7
Off-Site Inverters	2.2	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	0.0	0.0
Off-Site Tracker Trucks	6.6	0.0	0.0	0.0	0.0	6.6	6.6	6.6	6.6	6.6	0.0	0.0
Off-Site Cabling Trucks	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.0	0.0
Off-Site Fuel & Lube	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Off-site Concrete Truck	3.9	3.9	3.9	3.9	0.0	3.9	3.9	3.9	3.9	3.9	3.9	3.9
Off-Site Electrical Truck	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Low Bed Delivery Trucks	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Porto-Let Truck	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Off-Site Worker Commuter Bus, Small	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Off-Site Worker Commute Car	420.7	420.7	420.7	420.7	0.0	420.7	420.7	420.7	420.7	420.7	420.7	420.7
SUBSTATION-BLDG-WATER TANK CO												
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	118.1	118.1	118.1	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**715.6**	**706.0**	**706.0**	**824.4**	**216.4**	**834.1**	**715.6**	**617.7**	**715.6**	**715.6**	**706.0**	**706.0**

Table 17-d
Monthly Off-Site Motor Vehicle ROG Er

	ROG Emissions (lb/month)										
Vehicle Type	**Month 38**	**Month 39**	**Month 40**	**Month 41**	**Month 42**	**Month 43**	**Month 44**	**Month 45**	**Month 46**	**Month 47**	**Month 48**
FENCE - MOBILIZATION											
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO											
Off-Site Gravel Rock/AC trucks	17.0	17.0	17.0	17.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
Low Bed Delivery Trucks	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	76.2	76.2	76.2	76.2	76.2	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION											
Off-Site Flat Bed Trucks	2.3	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0
Off-Site PV Panel Trucks	172.7	0.0	172.7	172.7	172.7	172.7	172.7	172.7	172.7	172.7	0.0
Off-Site Inverters	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0
Off-Site Tracker Trucks	0.0	0.0	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	0.0
Off-Site Cabling Trucks	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0
Off-Site Fuel & Lube	1.8	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0
Off-site Concrete Truck	3.9	0.0	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0
Off-Site Electrical Truck	2.3	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0
Low Bed Delivery Trucks	2.3	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0
Porto-Let Truck	0.9	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0
Off-Site Worker Commuter Bus, Small	1.2	0.0	1.7	2.3	2.9	3.5	4.1	4.7	5.2	5.8	0.0
Off-Site Worker Commute Car	420.7	0.0	420.7	420.7	420.7	420.7	420.7	420.7	420.7	420.7	0.0
SUBSTATION-BLDG-WATER TANK CO											
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning											
Off-Site Flat Bed Trucks	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
Off-Site Fuel & Lube	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
Off-Site Worker Commute Car	118.1	118.1	118.1	0.0	0.0	0.0	0.0	0.0	118.1	118.1	118.1
TOTAL (lb/month)	**824.4**	**216.4**	**834.6**	**716.8**	**717.3**	**620.0**	**620.6**	**621.2**	**740.6**	**741.2**	**118.8**

Table 17-e
Monthly Off-Site Motor Vehicle NOx Emissions

Vehicle Type	Emission Factor	NOx Emissions (lb/month) Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
FENCE - MOBILIZATION														
Off-Site Flat Bed Trucks	2.58E-02	56.7	56.7	56.7	0.0	56.7	56.7	56.7	0.0	56.7	56.7	56.7	0.0	56.7
Off-Site Water Trucks	2.48E-02	68.2	68.2	68.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	9.80E-03	5.4	5.4	5.4	0.0	5.4	5.4	5.4	0.0	5.4	5.4	5.4	0.0	5.4
Off-Site Fencing Trucks	2.58E-02	56.7	56.7	56.7	0.0	56.7	56.7	56.7	0.0	56.7	56.7	56.7	0.0	56.7
Off-site Concrete Truck	2.48E-02	0.0	6.8	6.8	0.0	6.8	6.8	6.8	0.0	6.8	6.8	6.8	0.0	6.8
Porto-Let Truck	9.80E-03	21.6	21.6	21.6	0.0	10.8	10.8	10.8	0.0	10.8	10.8	10.8	0.0	21.6
Off-Site Worker Commuter Bus, Small	1.69E-02	18.6	18.6	18.6	0.0	18.6	18.6	18.6	0.0	18.6	18.6	18.6	0.0	18.6
Off-Site Worker Commute Car	8.20E-04	39.7	39.7	39.7	0.0	39.7	39.7	39.7	0.0	39.7	39.7	39.7	0.0	39.7
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK														
Off-Site Gravel Rock/AC trucks	2.58E-02	0.0	0.0	0.0	524.4	524.4	524.4	524.4	524.4	524.4	524.4	524.4	524.4	0.0
Off-Site Water Trucks	2.48E-02	0.0	0.0	0.0	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1	0.0
Low Bed Delivery Trucks	2.58E-02	0.0	0.0	0.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	0.0
Porto-Let Truck	9.80E-03	0.0	0.0	0.0	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	0.0
Off-Site Worker Commute Car	8.20E-04	0.0	0.0	0.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	0.0
PV PANEL CONSTRUCTION														
Off-Site Flat Bed Trucks	2.58E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.9
Off-Site PV Panel Trucks	2.58E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,315.3
Off-Site Inverters	2.58E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	68.0
Off-Site Tracker Trucks	2.58E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	204.1
Off-Site Cabling Trucks	2.48E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.3
Off-Site Fuel & Lube	9.80E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.1
Off-site Concrete Truck	2.48E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	136.4
Off-Site Electrical Truck	2.58E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.9
Low Bed Delivery Trucks	2.58E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.9
Porto-Let Truck	9.80E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6
Off-Site Worker Commuter Bus, Small	1.69E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.2
Off-Site Worker Commute Car	8.20E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	324.0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION														
Off-site Insulation Truck	2.58E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	2.58E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	2.58E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	2.58E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	2.58E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	2.58E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	8.20E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Off-Site Flat Bed Trucks	2.58E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	9.80E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	2.48E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	8.20E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**266.9**	**273.7**	**273.7**	**736.7**	**931.4**	**931.4**	**931.4**	**736.7**	**931.4**	**931.4**	**931.4**	**736.7**	**6,595.1**

Table 17-e
Monthly Off-Site Motor Vehicle NOx En

Vehicle Type	NOx Emissions (lb/month)											
	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION												
Off-Site Flat Bed Trucks	56.7	56.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	5.4	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	56.7	56.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	6.8	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	21.6	21.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	18.6	18.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	39.7	39.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO												
Off-Site Gravel Rock/AC trucks	524.4	524.4	524.4	524.4	524.4	524.4	524.4	524.4	524.4	0.0	524.4	524.4
Off-Site Water Trucks	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1	0.0	109.1	109.1
Low Bed Delivery Trucks	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	0.0	28.3	28.3
Porto-Let Truck	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	0.0	16.2	16.2
Off-Site Worker Commute Car	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	0.0	58.7	58.7
PV PANEL CONSTRUCTION												
Off-Site Flat Bed Trucks	70.9	70.9	70.9	70.9	70.9	70.9	70.9	0.0	70.9	70.9	70.9	70.9
Off-Site PV Panel Trucks	5,315.3	5,315.3	5,315.3	5,315.3	5,315.3	5,315.3	5,315.3	0.0	5,315.3	5,315.3	5,315.3	5,315.3
Off-Site Inverters	68.0	68.0	68.0	68.0	68.0	68.0	68.0	0.0	68.0	68.0	68.0	68.0
Off-Site Tracker Trucks	204.1	204.1	204.1	204.1	204.1	204.1	204.1	0.0	204.1	204.1	204.1	204.1
Off-Site Cabling Trucks	27.3	27.3	27.3	27.3	27.3	27.3	27.3	0.0	27.3	27.3	27.3	27.3
Off-Site Fuel & Lube	43.1	43.1	43.1	43.1	43.1	43.1	43.1	0.0	43.1	43.1	43.1	43.1
Off-site Concrete Truck	136.4	136.4	136.4	136.4	136.4	136.4	136.4	0.0	136.4	136.4	136.4	136.4
Off-Site Electrical Truck	70.9	70.9	70.9	70.9	70.9	70.9	70.9	0.0	70.9	70.9	70.9	70.9
Low Bed Delivery Trucks	70.9	70.9	70.9	70.9	70.9	70.9	70.9	0.0	70.9	70.9	70.9	70.9
Porto-Let Truck	21.6	21.6	21.6	21.6	21.6	21.6	21.6	0.0	21.6	21.6	21.6	21.6
Off-Site Worker Commuter Bus, Small	37.2	37.2	37.2	37.2	37.2	37.2	37.2	0.0	37.2	37.2	37.2	37.2
Off-Site Worker Commute Car	324.0	324.0	324.0	324.0	324.0	324.0	324.0	0.0	324.0	324.0	324.0	324.0
SUBSTATION-BLDG-WATER TANK CO												
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	7.1	7.1	7.1	7.1	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	7.1	7.1	7.1	7.1	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	7.1	7.1	7.1	7.1	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	7.1	7.1	7.1	7.1	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	7.1	7.1	7.1	7.1	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	7.1	7.1	7.1	7.1	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	40.4	40.4	40.4	40.4	0.0	0.0	0.0
Testing & Commissioning												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	7.1	7.1	7.1	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	91.0	91.0	91.0	0.0	0.0	0.0
TOTAL (lb/month)	**7,331.9**	**7,331.9**	**7,126.4**	**7,126.4**	**7,126.4**	**7,209.3**	**7,310.1**	**920.4**	**7,310.1**	**6,389.6**	**7,126.4**	**7,126.4**

Table 17-e
Monthly Off-Site Motor Vehicle NOx En

Vehicle Type	NOx Emissions (lb/month)											
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37
FENCE - MOBILIZATION												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO												
Off-Site Gravel Rock/AC trucks	524.4	524.4	524.4	524.4	524.4	524.4	524.4	0.0	524.4	524.4	524.4	524.4
Off-Site Water Trucks	109.1	109.1	109.1	109.1	109.1	109.1	109.1	0.0	109.1	109.1	109.1	109.1
Low Bed Delivery Trucks	28.3	28.3	28.3	28.3	28.3	28.3	28.3	0.0	28.3	28.3	28.3	28.3
Porto-Let Truck	16.2	16.2	16.2	16.2	16.2	16.2	16.2	0.0	16.2	16.2	16.2	16.2
Off-Site Worker Commute Car	58.7	58.7	58.7	58.7	58.7	58.7	58.7	0.0	58.7	58.7	58.7	58.7
PV PANEL CONSTRUCTION												
Off-Site Flat Bed Trucks	70.9	70.9	70.9	70.9	0.0	70.9	70.9	70.9	70.9	70.9	70.9	70.9
Off-Site PV Panel Trucks	5,315.3	5,315.3	5,315.3	5,315.3	0.0	5,315.3	5,315.3	5,315.3	5,315.3	5,315.3	5,315.3	5,315.3
Off-Site Inverters	68.0	0.0	0.0	0.0	0.0	68.0	68.0	68.0	68.0	68.0	0.0	0.0
Off-Site Tracker Trucks	204.1	0.0	0.0	0.0	0.0	204.1	204.1	204.1	204.1	204.1	0.0	0.0
Off-Site Cabling Trucks	27.3	0.0	0.0	0.0	0.0	27.3	27.3	27.3	27.3	27.3	0.0	0.0
Off-Site Fuel & Lube	43.1	43.1	43.1	43.1	0.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1
Off-site Concrete Truck	136.4	136.4	136.4	136.4	0.0	136.4	136.4	136.4	136.4	136.4	136.4	136.4
Off-Site Electrical Truck	70.9	70.9	70.9	70.9	0.0	70.9	70.9	70.9	70.9	70.9	70.9	70.9
Low Bed Delivery Trucks	70.9	70.9	70.9	70.9	0.0	70.9	70.9	70.9	70.9	70.9	70.9	70.9
Porto-Let Truck	21.6	21.6	21.6	21.6	0.0	21.6	21.6	21.6	21.6	21.6	21.6	21.6
Off-Site Worker Commuter Bus, Small	37.2	37.2	37.2	37.2	0.0	37.2	37.2	37.2	37.2	37.2	37.2	37.2
Off-Site Worker Commute Car	324.0	324.0	324.0	324.0	0.0	324.0	324.0	324.0	324.0	324.0	324.0	324.0
SUBSTATION-BLDG-WATER TANK CO												
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	7.1	7.1	7.1	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	91.0	91.0	91.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**7,126.4**	**6,827.0**	**6,827.0**	**6,927.7**	**837.5**	**7,227.1**	**7,126.4**	**6,389.6**	**7,126.4**	**7,126.4**	**6,827.0**	**6,827.0**

Table 17-e
Monthly Off-Site Motor Vehicle NOx En

Vehicle Type	NOx Emissions (lb/month)										
	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION											
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO											
Off-Site Gravel Rock/AC trucks	524.4	524.4	524.4	524.4	524.4	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	109.1	109.1	109.1	109.1	109.1	0.0	0.0	0.0	0.0	0.0	0.0
Low Bed Delivery Trucks	28.3	28.3	28.3	28.3	28.3	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	16.2	16.2	16.2	16.2	16.2	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	58.7	58.7	58.7	58.7	58.7	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION											
Off-Site Flat Bed Trucks	70.9	0.0	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	0.0
Off-Site PV Panel Trucks	5,315.3	0.0	5,315.3	5,315.3	5,315.3	5,315.3	5,315.3	5,315.3	5,315.3	5,315.3	0.0
Off-Site Inverters	0.0	0.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	0.0
Off-Site Tracker Trucks	0.0	0.0	204.1	204.1	204.1	204.1	204.1	204.1	204.1	204.1	0.0
Off-Site Cabling Trucks	0.0	0.0	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	0.0
Off-Site Fuel & Lube	43.1	0.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	0.0
Off-site Concrete Truck	136.4	0.0	136.4	136.4	136.4	136.4	136.4	136.4	136.4	136.4	0.0
Off-Site Electrical Truck	70.9	0.0	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	0.0
Low Bed Delivery Trucks	70.9	0.0	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	0.0
Porto-Let Truck	21.6	0.0	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	0.0
Off-Site Worker Commuter Bus, Small	37.2	0.0	55.8	74.5	93.1	111.7	130.3	148.9	167.5	186.1	0.0
Off-Site Worker Commute Car	324.0	0.0	324.0	324.0	324.0	324.0	324.0	324.0	324.0	324.0	0.0
SUBSTATION-BLDG-WATER TANK CO											
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning											
Off-Site Flat Bed Trucks	7.1	7.1	7.1	0.0	0.0	0.0	0.0	0.0	7.1	7.1	7.1
Off-Site Fuel & Lube	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.6	13.6	13.6
Off-Site Worker Commute Car	91.0	91.0	91.0	0.0	0.0	0.0	0.0	0.0	91.0	91.0	91.0
TOTAL (lb/month)	**6,927.7**	**837.5**	**7,245.8**	**7,163.6**	**7,182.2**	**6,464.1**	**6,482.7**	**6,501.3**	**6,634.3**	**6,652.9**	**114.4**

Table 17-f
Monthly Off-Site Motor Vehicle SOx Emissions

Vehicle Type	Emission Factor (lb/mi)	SOx Emissions (lb/month) Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
FENCE - MOBILIZATION														
Off-Site Flat Bed Trucks	3.53E-05	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1
Off-Site Water Trucks	3.56E-05	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	3.53E-05	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1
Off-site Concrete Truck	3.56E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	2.30E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	8.98E-06	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.0	0.4
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK														
Off-Site Gravel Rock/AC trucks	3.53E-05	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0
Off-Site Water Trucks	3.56E-05	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
Low Bed Delivery Trucks	3.53E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	8.98E-06	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0
PV PANEL CONSTRUCTION														
Off-Site Flat Bed Trucks	3.53E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Off-Site PV Panel Trucks	3.53E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3
Off-Site Inverters	3.53E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Off-Site Tracker Trucks	3.53E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Off-Site Cabling Trucks	3.56E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Off-site Concrete Truck	3.56E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Off-Site Electrical Truck	3.53E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Low Bed Delivery Trucks	3.53E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Porto-Let Truck	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	2.30E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Off-Site Worker Commute Car	8.98E-06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5
SUBSTATION-BLDG-WATER TANK CONSTRUCTION														
Off-site Insulation Truck	3.53E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	3.53E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	3.53E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	3.53E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	3.53E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	3.53E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	8.98E-06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Off-Site Flat Bed Trucks	3.53E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	2.26E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	3.56E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	8.98E-06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**0.8**	**0.8**	**0.8**	**1.6**	**2.3**	**2.3**	**2.3**	**1.6**	**2.3**	**2.3**	**2.3**	**1.6**	**12.6**

Table 17-f
Monthly Off-Site Motor Vehicle SOx Em

Vehicle Type	SOx Emissions (lb/month)											
	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION												
Off-Site Flat Bed Trucks	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO												
Off-Site Gravel Rock/AC trucks	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7
Off-Site Water Trucks	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2
Low Bed Delivery Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6
PV PANEL CONSTRUCTION												
Off-Site Flat Bed Trucks	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Off-Site PV Panel Trucks	7.3	7.3	7.3	7.3	7.3	7.3	7.3	0.0	7.3	7.3	7.3	7.3
Off-Site Inverters	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Off-Site Tracker Trucks	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3
Off-Site Cabling Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Off-site Concrete Truck	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2
Off-Site Electrical Truck	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Low Bed Delivery Trucks	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Off-Site Worker Commute Car	3.5	3.5	3.5	3.5	3.5	3.5	3.5	0.0	3.5	3.5	3.5	3.5
SUBSTATION-BLDG-WATER TANK CO												
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.0	0.0	0.0
Testing & Commissioning												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0
TOTAL (lb/month)	**14.2**	**14.2**	**13.5**	**13.5**	**13.5**	**14.0**	**15.0**	**3.1**	**15.0**	**11.9**	**13.5**	**13.5**

Table 17-f
Monthly Off-Site Motor Vehicle SOx Em

	SOx Emissions (lb/month)											
Vehicle Type	**Month 26**	**Month 27**	**Month 28**	**Month 29**	**Month 30**	**Month 31**	**Month 32**	**Month 33**	**Month 34**	**Month 35**	**Month 36**	**Month 37**
FENCE - MOBILIZATION												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO												
Off-Site Gravel Rock/AC trucks	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7
Off-Site Water Trucks	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2
Low Bed Delivery Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6
PV PANEL CONSTRUCTION												
Off-Site Flat Bed Trucks	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Off-Site PV Panel Trucks	7.3	7.3	7.3	7.3	0.0	7.3	7.3	7.3	7.3	7.3	7.3	7.3
Off-Site Inverters	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0
Off-Site Tracker Trucks	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.0	0.0
Off-Site Cabling Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Off-site Concrete Truck	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Off-Site Electrical Truck	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Low Bed Delivery Trucks	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Off-Site Worker Commute Car	3.5	3.5	3.5	3.5	0.0	3.5	3.5	3.5	3.5	3.5	3.5	3.5
SUBSTATION-BLDG-WATER TANK CO												
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**13.5**	**13.1**	**13.1**	**14.1**	**2.6**	**14.5**	**13.5**	**11.9**	**13.5**	**13.5**	**13.1**	**13.1**

Table 17-f
Monthly Off-Site Motor Vehicle SOx Em

Vehicle Type	SOx Emissions (lb/month)										
	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION											
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO											
Off-Site Gravel Rock/AC trucks	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Low Bed Delivery Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION											
Off-Site Flat Bed Trucks	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Off-Site PV Panel Trucks	7.3	0.0	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	0.0
Off-Site Inverters	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Off-Site Tracker Trucks	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
Off-Site Cabling Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Off-site Concrete Truck	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
Off-Site Electrical Truck	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Low Bed Delivery Trucks	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.1	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.0
Off-Site Worker Commute Car	3.5	0.0	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	0.0
SUBSTATION-BLDG-WATER TANK CO											
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning											
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
TOTAL (lb/month)	**14.1**	**2.6**	**14.6**	**13.6**	**13.6**	**12.0**	**12.1**	**12.1**	**13.1**	**13.2**	**1.0**

Table 17-g
Monthly Off-Site Motor Vehicle Exhaust PM10 Emissions

Vehicle Type	Emission Factor (lb/mi)	Exhaust PM10 Emissions (lb/month)												
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
FENCE - MOBILIZATION														
Off-Site Flat Bed Trucks	6.33E-04	1.4	1.4	1.4	0.0	1.4	1.4	1.4	0.0	1.4	1.4	1.4	0.0	1.4
Off-Site Water Trucks	4.90E-04	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	4.25E-04	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0	0.2
Off-Site Fencing Trucks	6.33E-04	1.4	1.4	1.4	0.0	1.4	1.4	1.4	0.0	1.4	1.4	1.4	0.0	1.4
Off-site Concrete Truck	4.90E-04	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1
Porto-Let Truck	4.25E-04	0.9	0.9	0.9	0.0	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.0	0.9
Off-Site Worker Commuter Bus, Small	4.24E-04	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.0	0.5
Off-Site Worker Commute Car	1.03E-05	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.0	0.5
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK														
Off-Site Gravel Rock/AC trucks	6.33E-04	0.0	0.0	0.0	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	0.0
Off-Site Water Trucks	4.90E-04	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0
Low Bed Delivery Trucks	6.33E-04	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0
Porto-Let Truck	4.25E-04	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0
Off-Site Worker Commute Car	1.03E-05	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0
PV PANEL CONSTRUCTION														
Off-Site Flat Bed Trucks	6.33E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
Off-Site PV Panel Trucks	6.33E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	130.5
Off-Site Inverters	6.33E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
Off-Site Tracker Trucks	6.33E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
Off-Site Cabling Trucks	4.90E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Off-Site Fuel & Lube	4.25E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
Off-site Concrete Truck	4.90E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
Off-Site Electrical Truck	6.33E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
Low Bed Delivery Trucks	6.33E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
Porto-Let Truck	4.25E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
Off-Site Worker Commuter Bus, Small	4.24E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
Off-Site Worker Commute Car	1.03E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1
SUBSTATION-BLDG-WATER TANK CONSTRUCTION														
Off-site Insulation Truck	6.33E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	6.33E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	6.33E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	6.33E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	6.33E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	6.33E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	1.03E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Off-Site Flat Bed Trucks	6.33E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	4.25E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	4.90E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	1.03E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**6.3**	**6.4**	**6.4**	**17.2**	**21.7**	**21.7**	**21.7**	**17.2**	**21.7**	**21.7**	**21.7**	**17.2**	**158.5**

Table 17-g
Monthly Off-Site Motor Vehicle Exhaus

	Exhaust PM10 Emissions (lb/month)											
Vehicle Type	**Month 14**	**Month 15**	**Month 16**	**Month 17**	**Month 18**	**Month 19**	**Month 20**	**Month 21**	**Month 22**	**Month 23**	**Month 24**	**Month 25**
FENCE - MOBILIZATION												
Off-Site Flat Bed Trucks	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO												
Off-Site Gravel Rock/AC trucks	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	0.0	12.9	12.9
Off-Site Water Trucks	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2
Low Bed Delivery Trucks	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7
Porto-Let Truck	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7
Off-Site Worker Commute Car	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7
PV PANEL CONSTRUCTION												
Off-Site Flat Bed Trucks	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7
Off-Site PV Panel Trucks	130.5	130.5	130.5	130.5	130.5	130.5	130.5	0.0	130.5	130.5	130.5	130.5
Off-Site Inverters	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7
Off-Site Tracker Trucks	5.0	5.0	5.0	5.0	5.0	5.0	5.0	0.0	5.0	5.0	5.0	5.0
Off-Site Cabling Trucks	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.5
Off-Site Fuel & Lube	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	1.9	1.9	1.9	1.9
Off-site Concrete Truck	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7
Off-Site Electrical Truck	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7
Low Bed Delivery Trucks	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7
Porto-Let Truck	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9
Off-Site Worker Commuter Bus, Small	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9
Off-Site Worker Commute Car	4.1	4.1	4.1	4.1	4.1	4.1	4.1	0.0	4.1	4.1	4.1	4.1
SUBSTATION-BLDG-WATER TANK CO												
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.0	0.0	0.0
Testing & Commissioning												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	0.0	0.0	0.0
TOTAL (lb/month)	**175.6**	**175.6**	**170.6**	**170.6**	**170.6**	**172.1**	**173.6**	**20.1**	**173.6**	**153.4**	**170.6**	**170.6**

Table 17-g
Monthly Off-Site Motor Vehicle Exhaus

	Exhaust PM10 Emissions (lb/month)											
Vehicle Type	**Month 26**	**Month 27**	**Month 28**	**Month 29**	**Month 30**	**Month 31**	**Month 32**	**Month 33**	**Month 34**	**Month 35**	**Month 36**	**Month 37**
FENCE - MOBILIZATION												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO												
Off-Site Gravel Rock/AC trucks	12.9	12.9	12.9	12.9	12.9	12.9	12.9	0.0	12.9	12.9	12.9	12.9
Off-Site Water Trucks	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2
Low Bed Delivery Trucks	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7
Porto-Let Truck	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7
Off-Site Worker Commute Car	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7
PV PANEL CONSTRUCTION												
Off-Site Flat Bed Trucks	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Off-Site PV Panel Trucks	130.5	130.5	130.5	130.5	0.0	130.5	130.5	130.5	130.5	130.5	130.5	130.5
Off-Site Inverters	1.7	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	0.0	0.0
Off-Site Tracker Trucks	5.0	0.0	0.0	0.0	0.0	5.0	5.0	5.0	5.0	5.0	0.0	0.0
Off-Site Cabling Trucks	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.0	0.0
Off-Site Fuel & Lube	1.9	1.9	1.9	1.9	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Off-site Concrete Truck	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Off-Site Electrical Truck	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Low Bed Delivery Trucks	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Porto-Let Truck	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Off-Site Worker Commuter Bus, Small	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Off-Site Worker Commute Car	4.1	4.1	4.1	4.1	0.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1
SUBSTATION-BLDG-WATER TANK CO												
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**170.6**	**163.4**	**163.4**	**164.8**	**18.6**	**172.0**	**170.6**	**153.4**	**170.6**	**170.6**	**163.4**	**163.4**

Table 17-g
Monthly Off-Site Motor Vehicle Exhaus

	Exhaust PM10 Emissions (lb/month)										
Vehicle Type	**Month 38**	**Month 39**	**Month 40**	**Month 41**	**Month 42**	**Month 43**	**Month 44**	**Month 45**	**Month 46**	**Month 47**	**Month 48**
FENCE - MOBILIZATION											
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO											
Off-Site Gravel Rock/AC trucks	12.9	12.9	12.9	12.9	12.9	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
Low Bed Delivery Trucks	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION											
Off-Site Flat Bed Trucks	1.7	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0
Off-Site PV Panel Trucks	130.5	0.0	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	0.0
Off-Site Inverters	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0
Off-Site Tracker Trucks	0.0	0.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	0.0
Off-Site Cabling Trucks	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0
Off-Site Fuel & Lube	1.9	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0
Off-site Concrete Truck	2.7	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.0
Off-Site Electrical Truck	1.7	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0
Low Bed Delivery Trucks	1.7	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0
Porto-Let Truck	0.9	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0
Off-Site Worker Commuter Bus, Small	0.9	0.0	1.4	1.9	2.3	2.8	3.3	3.7	4.2	4.7	0.0
Off-Site Worker Commute Car	4.1	0.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	0.0
SUBSTATION-BLDG-WATER TANK CO											
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning											
Off-Site Flat Bed Trucks	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
Off-Site Fuel & Lube	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
Off-Site Worker Commute Car	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
TOTAL (lb/month)	**164.8**	**18.6**	**172.5**	**171.5**	**172.0**	**155.3**	**155.7**	**156.2**	**158.4**	**158.8**	**1.7**

Table 17-h
Monthly Off-Site Motor Vehicle Exhaust PM2.5 Emissions

Vehicle Type	Emission Factor (lb/mi)	Exhaust PM2.5 Emissions (lb/month)												
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
FENCE - MOBILIZATION														
Off-Site Flat Bed Trucks	5.82E-04	1.3	1.3	1.3	0.0	1.3	1.3	1.3	0.0	1.3	1.3	1.3	0.0	1.3
Off-Site Water Trucks	4.51E-04	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	3.91E-04	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0	0.2
Off-Site Fencing Trucks	5.82E-04	1.3	1.3	1.3	0.0	1.3	1.3	1.3	0.0	1.3	1.3	1.3	0.0	1.3
Off-site Concrete Truck	4.51E-04	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1
Porto-Let Truck	3.91E-04	0.9	0.9	0.9	0.0	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.0	0.9
Off-Site Worker Commuter Bus, Small	3.90E-04	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.0	0.4
Off-Site Worker Commute Car	9.39E-06	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.0	0.5
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK														
Off-Site Gravel Rock/AC trucks	5.82E-04	0.0	0.0	0.0	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	0.0
Off-Site Water Trucks	4.51E-04	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0
Low Bed Delivery Trucks	5.82E-04	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0
Porto-Let Truck	3.91E-04	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0
Off-Site Worker Commute Car	9.39E-06	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0
PV PANEL CONSTRUCTION														
Off-Site Flat Bed Trucks	5.82E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
Off-Site PV Panel Trucks	5.82E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	120.0
Off-Site Inverters	5.82E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
Off-Site Tracker Trucks	5.82E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6
Off-Site Cabling Trucks	4.51E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Off-Site Fuel & Lube	3.91E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
Off-site Concrete Truck	4.51E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
Off-Site Electrical Truck	5.82E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
Low Bed Delivery Trucks	5.82E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
Porto-Let Truck	3.91E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
Off-Site Worker Commuter Bus, Small	3.90E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
Off-Site Worker Commute Car	9.39E-06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
SUBSTATION-BLDG-WATER TANK CONSTRUCTION														
Off-site Insulation Truck	5.82E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	5.82E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	5.82E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	5.82E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	5.82E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	5.82E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	9.39E-06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Off-Site Flat Bed Trucks	5.82E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	3.91E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	4.51E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	9.39E-06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**5.8**	**5.9**	**5.9**	**15.8**	**20.0**	**20.0**	**20.0**	**15.8**	**20.0**	**20.0**	**20.0**	**15.8**	**145.8**

Table 17-h
Monthly Off-Site Motor Vehicle Exhaus

	Exhaust PM2.5 Emissions (lb/month)											
Vehicle Type	**Month 14**	**Month 15**	**Month 16**	**Month 17**	**Month 18**	**Month 19**	**Month 20**	**Month 21**	**Month 22**	**Month 23**	**Month 24**	**Month 25**
FENCE - MOBILIZATION												
Off-Site Flat Bed Trucks	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO												
Off-Site Gravel Rock/AC trucks	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	0.0	11.8	11.8
Off-Site Water Trucks	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0
Low Bed Delivery Trucks	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6
Porto-Let Truck	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6
Off-Site Worker Commute Car	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7
PV PANEL CONSTRUCTION												
Off-Site Flat Bed Trucks	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6
Off-Site PV Panel Trucks	120.0	120.0	120.0	120.0	120.0	120.0	120.0	0.0	120.0	120.0	120.0	120.0
Off-Site Inverters	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5
Off-Site Tracker Trucks	4.6	4.6	4.6	4.6	4.6	4.6	4.6	0.0	4.6	4.6	4.6	4.6
Off-Site Cabling Trucks	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.5
Off-Site Fuel & Lube	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7
Off-site Concrete Truck	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5
Off-Site Electrical Truck	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6
Low Bed Delivery Trucks	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6
Porto-Let Truck	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9
Off-Site Worker Commuter Bus, Small	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9
Off-Site Worker Commute Car	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7
SUBSTATION-BLDG-WATER TANK CO												
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.0	0.0	0.0
Testing & Commissioning												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0
TOTAL (lb/month)	**161.5**	**161.5**	**156.9**	**156.9**	**156.9**	**158.3**	**159.6**	**18.5**	**159.6**	**141.1**	**156.9**	**156.9**

Table 17-h
Monthly Off-Site Motor Vehicle Exhaus

	Exhaust PM2.5 Emissions (lb/month)											
Vehicle Type	**Month 26**	**Month 27**	**Month 28**	**Month 29**	**Month 30**	**Month 31**	**Month 32**	**Month 33**	**Month 34**	**Month 35**	**Month 36**	**Month 37**
FENCE - MOBILIZATION												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO												
Off-Site Gravel Rock/AC trucks	11.8	11.8	11.8	11.8	11.8	11.8	11.8	0.0	11.8	11.8	11.8	11.8
Off-Site Water Trucks	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
Low Bed Delivery Trucks	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6
Porto-Let Truck	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6
Off-Site Worker Commute Car	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7
PV PANEL CONSTRUCTION												
Off-Site Flat Bed Trucks	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Off-Site PV Panel Trucks	120.0	120.0	120.0	120.0	0.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
Off-Site Inverters	1.5	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	0.0	0.0
Off-Site Tracker Trucks	4.6	0.0	0.0	0.0	0.0	4.6	4.6	4.6	4.6	4.6	0.0	0.0
Off-Site Cabling Trucks	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.0	0.0
Off-Site Fuel & Lube	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Off-site Concrete Truck	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Off-Site Electrical Truck	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Low Bed Delivery Trucks	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Porto-Let Truck	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Off-Site Worker Commuter Bus, Small	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Off-Site Worker Commute Car	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7
SUBSTATION-BLDG-WATER TANK CO												
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**156.9**	**150.3**	**150.3**	**151.6**	**17.1**	**158.2**	**156.9**	**141.1**	**156.9**	**156.9**	**150.3**	**150.3**

Table 17-h
Monthly Off-Site Motor Vehicle Exhaus

	Exhaust PM2.5 Emissions (lb/month)										
Vehicle Type	**Month 38**	**Month 39**	**Month 40**	**Month 41**	**Month 42**	**Month 43**	**Month 44**	**Month 45**	**Month 46**	**Month 47**	**Month 48**
FENCE - MOBILIZATION											
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO											
Off-Site Gravel Rock/AC trucks	11.8	11.8	11.8	11.8	11.8	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
Low Bed Delivery Trucks	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION											
Off-Site Flat Bed Trucks	1.6	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0
Off-Site PV Panel Trucks	120.0	0.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	0.0
Off-Site Inverters	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0
Off-Site Tracker Trucks	0.0	0.0	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	0.0
Off-Site Cabling Trucks	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0
Off-Site Fuel & Lube	1.7	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0
Off-site Concrete Truck	2.5	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0
Off-Site Electrical Truck	1.6	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0
Low Bed Delivery Trucks	1.6	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0
Porto-Let Truck	0.9	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0
Off-Site Worker Commuter Bus, Small	0.9	0.0	1.3	1.7	2.1	2.6	3.0	3.4	3.9	4.3	0.0
Off-Site Worker Commute Car	3.7	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0
SUBSTATION-BLDG-WATER TANK CO											
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning											
Off-Site Flat Bed Trucks	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
Off-Site Fuel & Lube	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
Off-Site Worker Commute Car	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
TOTAL (lb/month)	**151.6**	**17.1**	**158.6**	**157.8**	**158.2**	**142.8**	**143.3**	**143.7**	**145.7**	**146.1**	**1.6**

Table 17-i
Monthly Off-Site Motor Vehicle Fugitive PM10 Emissions

Vehicle Type	Emission Factor (lb/mi)	Fugitive PM10 Emissions (lb/month)												
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
FENCE - MOBILIZATION														
Off-Site Flat Bed Trucks	5.06E-04	1.1	1.1	1.1	0.0	1.1	1.1	1.1	0.0	1.1	1.1	1.1	0.0	1.1
Off-Site Water Trucks	5.06E-04	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	6.04E-04	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0	0.3
Off-Site Fencing Trucks	5.06E-04	1.1	1.1	1.1	0.0	1.1	1.1	1.1	0.0	1.1	1.1	1.1	0.0	1.1
Off-site Concrete Truck	5.06E-04	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1
Porto-Let Truck	6.04E-04	1.3	1.3	1.3	0.0	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.0	1.3
Off-Site Worker Commuter Bus, Small	6.04E-04	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.0	0.7
Off-Site Worker Commute Car	3.89E-04	18.8	18.8	18.8	0.0	18.8	18.8	18.8	0.0	18.8	18.8	18.8	0.0	18.8
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK														
Off-Site Gravel Rock/AC trucks	5.06E-04	0.0	0.0	0.0	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	0.0
Off-Site Water Trucks	5.06E-04	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0
Low Bed Delivery Trucks	5.06E-04	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0
Porto-Let Truck	6.04E-04	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0
Off-Site Worker Commute Car	3.89E-04	0.0	0.0	0.0	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	0.0
PV PANEL CONSTRUCTION														
Off-Site Flat Bed Trucks	5.06E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
Off-Site PV Panel Trucks	5.06E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	104.3
Off-Site Inverters	5.06E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
Off-Site Tracker Trucks	5.06E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
Off-Site Cabling Trucks	5.06E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
Off-Site Fuel & Lube	6.04E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
Off-site Concrete Truck	5.06E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
Off-Site Electrical Truck	5.06E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
Low Bed Delivery Trucks	5.06E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
Porto-Let Truck	6.04E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
Off-Site Worker Commuter Bus, Small	6.04E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
Off-Site Worker Commute Car	3.89E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	153.6
SUBSTATION-BLDG-WATER TANK CONSTRUCTION														
Off-site Insulation Truck	5.06E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	5.06E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	5.06E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	5.06E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	5.06E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	5.06E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	3.89E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Off-Site Flat Bed Trucks	5.06E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	6.04E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	5.06E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	3.89E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**24.8**	**24.9**	**24.9**	**41.9**	**64.7**	**64.7**	**64.7**	**41.9**	**64.7**	**64.7**	**64.7**	**41.9**	**299.6**

Table 17-i
Monthly Off-Site Motor Vehicle Fugitive

Vehicle Type	Fugitive PM10 Emissions (lb/month)											
	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION												
Off-Site Flat Bed Trucks	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	18.8	18.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO												
Off-Site Gravel Rock/AC trucks	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	0.0	10.3	10.3
Off-Site Water Trucks	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2
Low Bed Delivery Trucks	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6
Porto-Let Truck	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0
Off-Site Worker Commute Car	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	0.0	27.8	27.8
PV PANEL CONSTRUCTION												
Off-Site Flat Bed Trucks	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
Off-Site PV Panel Trucks	104.3	104.3	104.3	104.3	104.3	104.3	104.3	0.0	104.3	104.3	104.3	104.3
Off-Site Inverters	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
Off-Site Tracker Trucks	4.0	4.0	4.0	4.0	4.0	4.0	4.0	0.0	4.0	4.0	4.0	4.0
Off-Site Cabling Trucks	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6
Off-Site Fuel & Lube	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7
Off-site Concrete Truck	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8
Off-Site Electrical Truck	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
Low Bed Delivery Trucks	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
Porto-Let Truck	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
Off-Site Worker Commuter Bus, Small	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
Off-Site Worker Commute Car	153.6	153.6	153.6	153.6	153.6	153.6	153.6	0.0	153.6	153.6	153.6	153.6
SUBSTATION-BLDG-WATER TANK CO												
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	19.2	19.2	19.2	19.2	0.0	0.0	0.0
Testing & Commissioning												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	43.1	43.1	43.1	0.0	0.0	0.0
TOTAL (lb/month)	**341.5**	**341.5**	**317.9**	**317.9**	**317.9**	**337.9**	**381.4**	**105.3**	**381.4**	**276.1**	**317.9**	**317.9**

Table 17-i
Monthly Off-Site Motor Vehicle Fugitive

	Fugitive PM10 Emissions (lb/month)											
Vehicle Type	**Month 26**	**Month 27**	**Month 28**	**Month 29**	**Month 30**	**Month 31**	**Month 32**	**Month 33**	**Month 34**	**Month 35**	**Month 36**	**Month 37**
FENCE - MOBILIZATION												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO												
Off-Site Gravel Rock/AC trucks	10.3	10.3	10.3	10.3	10.3	10.3	10.3	0.0	10.3	10.3	10.3	10.3
Off-Site Water Trucks	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2
Low Bed Delivery Trucks	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6
Porto-Let Truck	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
Off-Site Worker Commute Car	27.8	27.8	27.8	27.8	27.8	27.8	27.8	0.0	27.8	27.8	27.8	27.8
PV PANEL CONSTRUCTION												
Off-Site Flat Bed Trucks	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Off-Site PV Panel Trucks	104.3	104.3	104.3	104.3	0.0	104.3	104.3	104.3	104.3	104.3	104.3	104.3
Off-Site Inverters	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	0.0	0.0
Off-Site Tracker Trucks	4.0	0.0	0.0	0.0	0.0	4.0	4.0	4.0	4.0	4.0	0.0	0.0
Off-Site Cabling Trucks	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.0	0.0
Off-Site Fuel & Lube	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Off-site Concrete Truck	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8
Off-Site Electrical Truck	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Low Bed Delivery Trucks	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Porto-Let Truck	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Off-Site Worker Commuter Bus, Small	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Off-Site Worker Commute Car	153.6	153.6	153.6	153.6	0.0	153.6	153.6	153.6	153.6	153.6	153.6	153.6
SUBSTATION-BLDG-WATER TANK CO												
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	43.1	43.1	43.1	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**317.9**	**312.0**	**312.0**	**355.5**	**85.3**	**361.4**	**317.9**	**276.1**	**317.9**	**317.9**	**312.0**	**312.0**

Table 17-i
Monthly Off-Site Motor Vehicle Fugitive

Vehicle Type	Fugitive PM10 Emissions (lb/month)										
	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION											
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO											
Off-Site Gravel Rock/AC trucks	10.3	10.3	10.3	10.3	10.3	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
Low Bed Delivery Trucks	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	27.8	27.8	27.8	27.8	27.8	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION											
Off-Site Flat Bed Trucks	1.4	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0
Off-Site PV Panel Trucks	104.3	0.0	104.3	104.3	104.3	104.3	104.3	104.3	104.3	104.3	0.0
Off-Site Inverters	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0
Off-Site Tracker Trucks	0.0	0.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	0.0
Off-Site Cabling Trucks	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0
Off-Site Fuel & Lube	2.7	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.0
Off-site Concrete Truck	2.8	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0
Off-Site Electrical Truck	1.4	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0
Low Bed Delivery Trucks	1.4	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0
Porto-Let Truck	1.3	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0
Off-Site Worker Commuter Bus, Small	1.3	0.0	2.0	2.7	3.3	4.0	4.7	5.3	6.0	6.6	0.0
Off-Site Worker Commute Car	153.6	0.0	153.6	153.6	153.6	153.6	153.6	153.6	153.6	153.6	0.0
SUBSTATION-BLDG-WATER TANK CO											
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning											
Off-Site Flat Bed Trucks	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Off-Site Fuel & Lube	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
Off-Site Worker Commute Car	43.1	43.1	43.1	0.0	0.0	0.0	0.0	0.0	43.1	43.1	43.1
TOTAL (lb/month)	**355.5**	**85.3**	**362.0**	**319.3**	**319.9**	**278.7**	**279.4**	**280.0**	**324.4**	**325.1**	**43.7**

Table 17-j
Monthly Off-Site Motor Vehicle Fugitive PM2.5 Emissions

Vehicle Type	Emission Factor (lb/mi)	Fugitive PM2.5 Emissions (lb/month)												
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
FENCE - MOBILIZATION														
Off-Site Flat Bed Trucks	1.57E-04	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0	0.3
Off-Site Water Trucks	1.57E-04	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	2.08E-04	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1
Off-Site Fencing Trucks	1.57E-04	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0	0.3
Off-site Concrete Truck	1.57E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	2.08E-04	0.5	0.5	0.5	0.0	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0	0.5
Off-Site Worker Commuter Bus, Small	2.08E-04	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0	0.2
Off-Site Worker Commute Car	1.18E-04	5.7	5.7	5.7	0.0	5.7	5.7	5.7	0.0	5.7	5.7	5.7	0.0	5.7
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK														
Off-Site Gravel Rock/AC trucks	1.57E-04	0.0	0.0	0.0	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0
Off-Site Water Trucks	1.57E-04	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0
Low Bed Delivery Trucks	1.57E-04	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
Porto-Let Truck	2.08E-04	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
Off-Site Worker Commute Car	1.18E-04	0.0	0.0	0.0	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	0.0
PV PANEL CONSTRUCTION														
Off-Site Flat Bed Trucks	1.57E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Off-Site PV Panel Trucks	1.57E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.3
Off-Site Inverters	1.57E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Off-Site Tracker Trucks	1.57E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
Off-Site Cabling Trucks	1.57E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Off-Site Fuel & Lube	2.08E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
Off-site Concrete Truck	1.57E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
Off-Site Electrical Truck	1.57E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Low Bed Delivery Trucks	1.57E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Porto-Let Truck	2.08E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Off-Site Worker Commuter Bus, Small	2.08E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Off-Site Worker Commute Car	1.18E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.4
SUBSTATION-BLDG-WATER TANK CONSTRUCTION														
Off-site Insulation Truck	1.57E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	1.57E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	1.57E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	1.57E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	1.57E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	1.57E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	1.18E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Off-Site Flat Bed Trucks	1.57E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	2.08E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	1.57E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	1.18E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**7.6**	**7.7**	**7.7**	**12.8**	**19.8**	**19.8**	**19.8**	**12.8**	**19.8**	**19.8**	**19.8**	**12.8**	**91.7**

Table 17-j
Monthly Off-Site Motor Vehicle Fugitive

Vehicle Type	Fugitive PM2.5 Emissions (lb/month)											
	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION												
Off-Site Flat Bed Trucks	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	5.7	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO												
Off-Site Gravel Rock/AC trucks	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	3.2	3.2
Off-Site Water Trucks	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7
Low Bed Delivery Trucks	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2
Porto-Let Truck	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3
Off-Site Worker Commute Car	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	0.0	8.4	8.4
PV PANEL CONSTRUCTION												
Off-Site Flat Bed Trucks	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4
Off-Site PV Panel Trucks	32.3	32.3	32.3	32.3	32.3	32.3	32.3	0.0	32.3	32.3	32.3	32.3
Off-Site Inverters	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4
Off-Site Tracker Trucks	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2
Off-Site Cabling Trucks	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2
Off-Site Fuel & Lube	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9
Off-site Concrete Truck	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9
Off-Site Electrical Truck	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4
Low Bed Delivery Trucks	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4
Porto-Let Truck	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.5
Off-Site Worker Commuter Bus, Small	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.5
Off-Site Worker Commute Car	46.4	46.4	46.4	46.4	46.4	46.4	46.4	0.0	46.4	46.4	46.4	46.4
SUBSTATION-BLDG-WATER TANK CO												
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	5.8	5.8	5.8	5.8	0.0	0.0	0.0
Testing & Commissioning												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	13.0	13.0	13.0	0.0	0.0	0.0
TOTAL (lb/month)	**104.5**	**104.5**	**97.3**	**97.3**	**97.3**	**103.3**	**116.5**	**32.0**	**116.5**	**84.5**	**97.3**	**97.3**

Table 17-j
Monthly Off-Site Motor Vehicle Fugitive

	Fugitive PM2.5 Emissions (lb/month)											
Vehicle Type	**Month 26**	**Month 27**	**Month 28**	**Month 29**	**Month 30**	**Month 31**	**Month 32**	**Month 33**	**Month 34**	**Month 35**	**Month 36**	**Month 37**
FENCE - MOBILIZATION												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO												
Off-Site Gravel Rock/AC trucks	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	3.2	3.2	3.2	3.2
Off-Site Water Trucks	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7
Low Bed Delivery Trucks	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2
Porto-Let Truck	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3
Off-Site Worker Commute Car	8.4	8.4	8.4	8.4	8.4	8.4	8.4	0.0	8.4	8.4	8.4	8.4
PV PANEL CONSTRUCTION												
Off-Site Flat Bed Trucks	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Off-Site PV Panel Trucks	32.3	32.3	32.3	32.3	0.0	32.3	32.3	32.3	32.3	32.3	32.3	32.3
Off-Site Inverters	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.0	0.0
Off-Site Tracker Trucks	1.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	0.0	0.0
Off-Site Cabling Trucks	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.0	0.0
Off-Site Fuel & Lube	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Off-site Concrete Truck	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Off-Site Electrical Truck	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Low Bed Delivery Trucks	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Porto-Let Truck	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Off-Site Worker Commuter Bus, Small	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Off-Site Worker Commute Car	46.4	46.4	46.4	46.4	0.0	46.4	46.4	46.4	46.4	46.4	46.4	46.4
SUBSTATION-BLDG-WATER TANK CO												
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	13.0	13.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**97.3**	**95.5**	**95.5**	**108.6**	**25.9**	**110.4**	**97.3**	**84.5**	**97.3**	**97.3**	**95.5**	**95.5**

Table 17-j
Monthly Off-Site Motor Vehicle Fugitive

	Fugitive PM2.5 Emissions (lb/month)										
Vehicle Type	**Month 38**	**Month 39**	**Month 40**	**Month 41**	**Month 42**	**Month 43**	**Month 44**	**Month 45**	**Month 46**	**Month 47**	**Month 48**
FENCE - MOBILIZATION											
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO											
Off-Site Gravel Rock/AC trucks	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
Low Bed Delivery Trucks	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	8.4	8.4	8.4	8.4	8.4	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION											
Off-Site Flat Bed Trucks	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0
Off-Site PV Panel Trucks	32.3	0.0	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	0.0
Off-Site Inverters	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0
Off-Site Tracker Trucks	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0
Off-Site Cabling Trucks	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
Off-Site Fuel & Lube	0.9	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0
Off-site Concrete Truck	0.9	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0
Off-Site Electrical Truck	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0
Low Bed Delivery Trucks	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0
Porto-Let Truck	0.5	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0
Off-Site Worker Commuter Bus, Small	0.5	0.0	0.7	0.9	1.1	1.4	1.6	1.8	2.1	2.3	0.0
Off-Site Worker Commute Car	46.4	0.0	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	0.0
SUBSTATION-BLDG-WATER TANK CO											
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning											
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Off-Site Worker Commute Car	13.0	13.0	13.0	0.0	0.0	0.0	0.0	0.0	13.0	13.0	13.0
TOTAL (lb/month)	**108.6**	**25.9**	**110.6**	**97.7**	**98.0**	**85.4**	**85.6**	**85.9**	**99.3**	**99.5**	**13.2**

Table 17-k
Monthly Off-Site Motor Vehicle CO2 Emissions

Vehicle Type	Emission Factor (lb/mi)	CO2 Emissions (lb/month) Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
FENCE - MOBILIZATION														
Off-Site Flat Bed Trucks	3.65E+00	8,024.7	8,024.7	8,024.7	0.0	8,024.7	8,024.7	8,024.7	0.0	8,024.7	8,024.7	8,024.7	0.0	8,024.7
Off-Site Water Trucks	3.67E+00	10,096.4	10,096.4	10,096.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	2.34E+00	1,284.4	1,284.4	1,284.4	0.0	1,284.4	1,284.4	1,284.4	0.0	1,284.4	1,284.4	1,284.4	0.0	1,284.4
Off-Site Fencing Trucks	3.65E+00	8,024.7	8,024.7	8,024.7	0.0	8,024.7	8,024.7	8,024.7	0.0	8,024.7	8,024.7	8,024.7	0.0	8,024.7
Off-site Concrete Truck	3.67E+00	0.0	1,009.6	1,009.6	0.0	1,009.6	1,009.6	1,009.6	0.0	1,009.6	1,009.6	1,009.6	0.0	1,009.6
Porto-Let Truck	2.34E+00	5,137.8	5,137.8	5,137.8	0.0	2,568.9	2,568.9	2,568.9	0.0	2,568.9	2,568.9	2,568.9	0.0	5,137.8
Off-Site Worker Commuter Bus, Small	2.37E+00	2,606.5	2,606.5	2,606.5	0.0	2,606.5	2,606.5	2,606.5	0.0	2,606.5	2,606.5	2,606.5	0.0	2,606.5
Off-Site Worker Commute Car	7.91E-01	38,267.7	38,267.7	38,267.7	0.0	38,267.7	38,267.7	38,267.7	0.0	38,267.7	38,267.7	38,267.7	0.0	38,267.7
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK														
Off-Site Gravel Rock/AC trucks	3.65E+00	0.0	0.0	0.0	74,228.2	74,228.2	74,228.2	74,228.2	74,228.2	74,228.2	74,228.2	74,228.2	74,228.2	0.0
Off-Site Water Trucks	3.67E+00	0.0	0.0	0.0	16,154.3	16,154.3	16,154.3	16,154.3	16,154.3	16,154.3	16,154.3	16,154.3	16,154.3	0.0
Low Bed Delivery Trucks	3.65E+00	0.0	0.0	0.0	4,012.3	4,012.3	4,012.3	4,012.3	4,012.3	4,012.3	4,012.3	4,012.3	4,012.3	0.0
Porto-Let Truck	2.34E+00	0.0	0.0	0.0	3,853.3	3,853.3	3,853.3	3,853.3	3,853.3	3,853.3	3,853.3	3,853.3	3,853.3	0.0
Off-Site Worker Commute Car	7.91E-01	0.0	0.0	0.0	56,531.8	56,531.8	56,531.8	56,531.8	56,531.8	56,531.8	56,531.8	56,531.8	56,531.8	0.0
PV PANEL CONSTRUCTION														
Off-Site Flat Bed Trucks	3.65E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10,030.8
Off-Site PV Panel Trucks	3.65E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,624,067.2
Off-Site Inverters	3.65E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9,629.6
Off-Site Tracker Trucks	3.65E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28,888.8
Off-Site Cabling Trucks	3.67E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,038.6
Off-Site Fuel & Lube	2.34E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10,275.6
Off-site Concrete Truck	3.67E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20,192.9
Off-Site Electrical Truck	3.65E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10,030.8
Low Bed Delivery Trucks	3.65E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10,030.8
Porto-Let Truck	2.34E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,137.8
Off-Site Worker Commuter Bus, Small	2.37E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,212.9
Off-Site Worker Commute Car	7.91E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312,229.3
SUBSTATION-BLDG-WATER TANK CONSTRUCTION														
Off-site Insulation Truck	3.65E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	3.65E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	3.65E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	3.65E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	3.65E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	3.65E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	7.91E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Off-Site Flat Bed Trucks	3.65E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	2.34E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	3.67E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	7.91E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**73,442.1**	**74,451.8**	**74,451.8**	**154,779.9**	**216,566.4**	**216,566.4**	**216,566.4**	**154,779.9**	**216,566.4**	**216,566.4**	**216,566.4**	**154,779.9**	**3,114,120.4**

Note: Emissions for Off-Site PV Panel Trucks are for total round-trip distance to Port of Los Angeles (estimated 436 miles)

Table 17-k
Monthly Off-Site Motor Vehicle CO2 En

Vehicle Type	CO2 Emissions (lb/month)											
	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION												
Off-Site Flat Bed Trucks	8,024.7	8,024.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	1,284.4	1,284.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	8,024.7	8,024.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	1,009.6	1,009.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	5,137.8	5,137.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	2,606.5	2,606.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	38,267.7	38,267.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO												
Off-Site Gravel Rock/AC trucks	74,228.2	74,228.2	74,228.2	74,228.2	74,228.2	74,228.2	74,228.2	74,228.2	74,228.2	0.0	74,228.2	74,228.2
Off-Site Water Trucks	16,154.3	16,154.3	16,154.3	16,154.3	16,154.3	16,154.3	16,154.3	16,154.3	16,154.3	0.0	16,154.3	16,154.3
Low Bed Delivery Trucks	4,012.3	4,012.3	4,012.3	4,012.3	4,012.3	4,012.3	4,012.3	4,012.3	4,012.3	0.0	4,012.3	4,012.3
Porto-Let Truck	3,853.3	3,853.3	3,853.3	3,853.3	3,853.3	3,853.3	3,853.3	3,853.3	3,853.3	0.0	3,853.3	3,853.3
Off-Site Worker Commute Car	56,531.8	56,531.8	56,531.8	56,531.8	56,531.8	56,531.8	56,531.8	56,531.8	56,531.8	0.0	56,531.8	56,531.8
PV PANEL CONSTRUCTION												
Off-Site Flat Bed Trucks	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8	0.0	10,030.8	10,030.8	10,030.8	10,030.8
Off-Site PV Panel Trucks	2,624,067.2	2,624,067.2	2,624,067.2	2,624,067.2	2,624,067.2	2,624,067.2	2,624,067.2	0.0	2,624,067.2	2,624,067.2	2,624,067.2	2,624,067.2
Off-Site Inverters	9,629.6	9,629.6	9,629.6	9,629.6	9,629.6	9,629.6	9,629.6	0.0	9,629.6	9,629.6	9,629.6	9,629.6
Off-Site Tracker Trucks	28,888.8	28,888.8	28,888.8	28,888.8	28,888.8	28,888.8	28,888.8	0.0	28,888.8	28,888.8	28,888.8	28,888.8
Off-Site Cabling Trucks	4,038.6	4,038.6	4,038.6	4,038.6	4,038.6	4,038.6	4,038.6	0.0	4,038.6	4,038.6	4,038.6	4,038.6
Off-Site Fuel & Lube	10,275.6	10,275.6	10,275.6	10,275.6	10,275.6	10,275.6	10,275.6	0.0	10,275.6	10,275.6	10,275.6	10,275.6
Off-site Concrete Truck	20,192.9	20,192.9	20,192.9	20,192.9	20,192.9	20,192.9	20,192.9	0.0	20,192.9	20,192.9	20,192.9	20,192.9
Off-Site Electrical Truck	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8	0.0	10,030.8	10,030.8	10,030.8	10,030.8
Low Bed Delivery Trucks	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8	0.0	10,030.8	10,030.8	10,030.8	10,030.8
Porto-Let Truck	5,137.8	5,137.8	5,137.8	5,137.8	5,137.8	5,137.8	5,137.8	0.0	5,137.8	5,137.8	5,137.8	5,137.8
Off-Site Worker Commuter Bus, Small	5,212.9	5,212.9	5,212.9	5,212.9	5,212.9	5,212.9	5,212.9	0.0	5,212.9	5,212.9	5,212.9	5,212.9
Off-Site Worker Commute Car	312,229.3	312,229.3	312,229.3	312,229.3	312,229.3	312,229.3	312,229.3	0.0	312,229.3	312,229.3	312,229.3	312,229.3
SUBSTATION-BLDG-WATER TANK CO												
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	1,003.1	1,003.1	1,003.1	1,003.1	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	1,003.1	1,003.1	1,003.1	1,003.1	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	1,003.1	1,003.1	1,003.1	1,003.1	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	1,003.1	1,003.1	1,003.1	1,003.1	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	1,003.1	1,003.1	1,003.1	1,003.1	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	1,003.1	1,003.1	1,003.1	1,003.1	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	38,963.4	38,963.4	38,963.4	38,963.4	0.0	0.0	0.0
Testing & Commissioning												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	1,003.1	1,003.1	1,003.1	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	642.2	642.2	642.2	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	87,667.7	87,667.7	87,667.7	0.0	0.0	0.0
TOTAL (lb/month)	**3,268,900.3**	**3,268,900.3**	**3,204,545.0**	**3,204,545.0**	**3,204,545.0**	**3,249,527.0**	**3,338,840.0**	**289,074.9**	**3,338,840.0**	**3,049,765.1**	**3,204,545.0**	**3,204,545.0**

Note: Emissions for Off-Site PV Panel Tru

Table 17-k
Monthly Off-Site Motor Vehicle CO2 En

Vehicle Type	CO2 Emissions (lb/month)											
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37
FENCE - MOBILIZATION												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO												
Off-Site Gravel Rock/AC trucks	74,228.2	74,228.2	74,228.2	74,228.2	74,228.2	74,228.2	74,228.2	0.0	74,228.2	74,228.2	74,228.2	74,228.2
Off-Site Water Trucks	16,154.3	16,154.3	16,154.3	16,154.3	16,154.3	16,154.3	16,154.3	0.0	16,154.3	16,154.3	16,154.3	16,154.3
Low Bed Delivery Trucks	4,012.3	4,012.3	4,012.3	4,012.3	4,012.3	4,012.3	4,012.3	0.0	4,012.3	4,012.3	4,012.3	4,012.3
Porto-Let Truck	3,853.3	3,853.3	3,853.3	3,853.3	3,853.3	3,853.3	3,853.3	0.0	3,853.3	3,853.3	3,853.3	3,853.3
Off-Site Worker Commute Car	56,531.8	56,531.8	56,531.8	56,531.8	56,531.8	56,531.8	56,531.8	0.0	56,531.8	56,531.8	56,531.8	56,531.8
PV PANEL CONSTRUCTION												
Off-Site Flat Bed Trucks	10,030.8	10,030.8	10,030.8	10,030.8	0.0	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8
Off-Site PV Panel Trucks	2,624,067.2	2,624,067.2	2,624,067.2	2,624,067.2	0.0	2,624,067.2	2,624,067.2	2,624,067.2	2,624,067.2	2,624,067.2	2,624,067.2	2,624,067.2
Off-Site Inverters	9,629.6	0.0	0.0	0.0	0.0	9,629.6	9,629.6	9,629.6	9,629.6	9,629.6	0.0	0.0
Off-Site Tracker Trucks	28,888.8	0.0	0.0	0.0	0.0	28,888.8	28,888.8	28,888.8	28,888.8	28,888.8	0.0	0.0
Off-Site Cabling Trucks	4,038.6	0.0	0.0	0.0	0.0	4,038.6	4,038.6	4,038.6	4,038.6	4,038.6	0.0	0.0
Off-Site Fuel & Lube	10,275.6	10,275.6	10,275.6	10,275.6	0.0	10,275.6	10,275.6	10,275.6	10,275.6	10,275.6	10,275.6	10,275.6
Off-site Concrete Truck	20,192.9	20,192.9	20,192.9	20,192.9	0.0	20,192.9	20,192.9	20,192.9	20,192.9	20,192.9	20,192.9	20,192.9
Off-Site Electrical Truck	10,030.8	10,030.8	10,030.8	10,030.8	0.0	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8
Low Bed Delivery Trucks	10,030.8	10,030.8	10,030.8	10,030.8	0.0	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8
Porto-Let Truck	5,137.8	5,137.8	5,137.8	5,137.8	0.0	5,137.8	5,137.8	5,137.8	5,137.8	5,137.8	5,137.8	5,137.8
Off-Site Worker Commuter Bus, Small	5,212.9	5,212.9	5,212.9	5,212.9	0.0	5,212.9	5,212.9	5,212.9	5,212.9	5,212.9	5,212.9	5,212.9
Off-Site Worker Commute Car	312,229.3	312,229.3	312,229.3	312,229.3	0.0	312,229.3	312,229.3	312,229.3	312,229.3	312,229.3	312,229.3	312,229.3
SUBSTATION-BLDG-WATER TANK CO												
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	1,003.1	1,003.1	1,003.1	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	642.2	642.2	642.2	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	87,667.7	87,667.7	87,667.7	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**3,204,545.0**	**3,161,988.0**	**3,161,988.0**	**3,251,301.1**	**244,093.0**	**3,293,858.1**	**3,204,545.0**	**3,049,765.1**	**3,204,545.0**	**3,204,545.0**	**3,161,988.0**	**3,161,988.0**

Note: Emissions for Off-Site PV Panel Tru

Table 17-k
Monthly Off-Site Motor Vehicle CO2 En

Vehicle Type	CO2 Emissions (lb/month)										
	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION											
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO											
Off-Site Gravel Rock/AC trucks	74,228.2	74,228.2	74,228.2	74,228.2	74,228.2	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	16,154.3	16,154.3	16,154.3	16,154.3	16,154.3	0.0	0.0	0.0	0.0	0.0	0.0
Low Bed Delivery Trucks	4,012.3	4,012.3	4,012.3	4,012.3	4,012.3	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	3,853.3	3,853.3	3,853.3	3,853.3	3,853.3	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	56,531.8	56,531.8	56,531.8	56,531.8	56,531.8	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION											
Off-Site Flat Bed Trucks	10,030.8	0.0	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8	0.0
Off-Site PV Panel Trucks	2,624,067.2	0.0	2,624,067.2	2,624,067.2	2,624,067.2	2,624,067.2	2,624,067.2	2,624,067.2	2,624,067.2	2,624,067.2	0.0
Off-Site Inverters	0.0	0.0	9,629.6	9,629.6	9,629.6	9,629.6	9,629.6	9,629.6	9,629.6	9,629.6	0.0
Off-Site Tracker Trucks	0.0	0.0	28,888.8	28,888.8	28,888.8	28,888.8	28,888.8	28,888.8	28,888.8	28,888.8	0.0
Off-Site Cabling Trucks	0.0	0.0	4,038.6	4,038.6	4,038.6	4,038.6	4,038.6	4,038.6	4,038.6	4,038.6	0.0
Off-Site Fuel & Lube	10,275.6	0.0	10,275.6	10,275.6	10,275.6	10,275.6	10,275.6	10,275.6	10,275.6	10,275.6	0.0
Off-site Concrete Truck	20,192.9	0.0	20,192.9	20,192.9	20,192.9	20,192.9	20,192.9	20,192.9	20,192.9	20,192.9	0.0
Off-Site Electrical Truck	10,030.8	0.0	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8	0.0
Low Bed Delivery Trucks	10,030.8	0.0	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8	10,030.8	0.0
Porto-Let Truck	5,137.8	0.0	5,137.8	5,137.8	5,137.8	5,137.8	5,137.8	5,137.8	5,137.8	5,137.8	0.0
Off-Site Worker Commuter Bus, Small	5,212.9	0.0	7,819.4	10,425.8	13,032.3	15,638.7	18,245.2	20,851.7	23,458.1	26,064.6	0.0
Off-Site Worker Commute Car	312,229.3	0.0	312,229.3	312,229.3	312,229.3	312,229.3	312,229.3	312,229.3	312,229.3	312,229.3	0.0
SUBSTATION-BLDG-WATER TANK CO											
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning											
Off-Site Flat Bed Trucks	1,003.1	1,003.1	1,003.1	0.0	0.0	0.0	0.0	0.0	1,003.1	1,003.1	1,003.1
Off-Site Fuel & Lube	642.2	642.2	642.2	0.0	0.0	0.0	0.0	0.0	642.2	642.2	642.2
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,019.3	2,019.3	2,019.3
Off-Site Worker Commute Car	87,667.7	87,667.7	87,667.7	0.0	0.0	0.0	0.0	0.0	87,667.7	87,667.7	87,667.7
TOTAL (lb/month)	**3,251,301.1**	**244,093.0**	**3,296,464.5**	**3,209,757.9**	**3,212,364.4**	**3,060,190.9**	**3,062,797.4**	**3,065,403.8**	**3,159,342.6**	**3,161,949.1**	**91,332.3**

Note: Emissions for Off-Site PV Panel Tru

Table 17-l
Monthly Off-Site Motor Vehicle CH4 Emissions

Vehicle Type	Emission Factor (lb/mi)	CH4 Emissions (lb/month)												
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
FENCE - MOBILIZATION														
Off-Site Flat Bed Trucks	3.89E-05	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1
Off-Site Water Trucks	3.30E-05	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	1.92E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	3.89E-05	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1
Off-site Concrete Truck	3.30E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	1.92E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	2.46E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	6.41E-05	3.1	3.1	3.1	0.0	3.1	3.1	3.1	0.0	3.1	3.1	3.1	0.0	3.1
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK														
Off-Site Gravel Rock/AC trucks	3.89E-05	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0
Off-Site Water Trucks	3.30E-05	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Low Bed Delivery Trucks	3.89E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	1.92E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	6.41E-05	0.0	0.0	0.0	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	0.0
PV PANEL CONSTRUCTION														
Off-Site Flat Bed Trucks	3.89E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Off-Site PV Panel Trucks	3.89E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0
Off-Site Inverters	3.89E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Off-Site Tracker Trucks	3.89E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Off-Site Cabling Trucks	3.30E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	1.92E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Off-site Concrete Truck	3.30E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Off-Site Electrical Truck	3.89E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Low Bed Delivery Trucks	3.89E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Porto-Let Truck	1.92E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	2.46E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Off-Site Worker Commute Car	6.41E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.3
SUBSTATION-BLDG-WATER TANK CONSTRUCTION														
Off-site Insulation Truck	3.89E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	3.89E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	3.89E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	3.89E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	3.89E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	3.89E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	6.41E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Off-Site Flat Bed Trucks	3.89E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	1.92E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	3.30E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	6.41E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**3.4**	**3.5**	**3.5**	**5.6**	**8.9**	**8.9**	**8.9**	**5.6**	**8.9**	**8.9**	**8.9**	**5.6**	**57.8**

Note: Emissions for Off-Site PV Panel Trucks are for total round-trip distance to Port of Los Angeles (estimated 436 miles)

Table 17-l
Monthly Off-Site Motor Vehicle CH4 Em

Vehicle Type	CH4 Emissions (lb/month)											
	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25
FENCE - MOBILIZATION												
Off-Site Flat Bed Trucks	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO												
Off-Site Gravel Rock/AC trucks	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8
Off-Site Water Trucks	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
Low Bed Delivery Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	0.0	4.6	4.6
PV PANEL CONSTRUCTION												
Off-Site Flat Bed Trucks	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Off-Site PV Panel Trucks	28.0	28.0	28.0	28.0	28.0	28.0	28.0	0.0	28.0	28.0	28.0	28.0
Off-Site Inverters	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Off-Site Tracker Trucks	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3
Off-Site Cabling Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Off-site Concrete Truck	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2
Off-Site Electrical Truck	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Low Bed Delivery Trucks	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Off-Site Worker Commute Car	25.3	25.3	25.3	25.3	25.3	25.3	25.3	0.0	25.3	25.3	25.3	25.3
SUBSTATION-BLDG-WATER TANK CO												
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2	0.0	0.0	0.0
Testing & Commissioning												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	7.1	7.1	7.1	0.0	0.0	0.0
TOTAL (lb/month)	**63.4**	**63.4**	**60.0**	**60.0**	**60.0**	**63.2**	**70.4**	**15.9**	**70.4**	**54.4**	**60.0**	**60.0**

Note: Emissions for Off-Site PV Panel Tru

Table 17-l
Monthly Off-Site Motor Vehicle CH4 Em

Vehicle Type	CH4 Emissions (lb/month)											
	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37
FENCE - MOBILIZATION												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO												
Off-Site Gravel Rock/AC trucks	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
Off-Site Water Trucks	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Low Bed Delivery Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	4.6	4.6	4.6	4.6	4.6	4.6	4.6	0.0	4.6	4.6	4.6	4.6
PV PANEL CONSTRUCTION												
Off-Site Flat Bed Trucks	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Off-Site PV Panel Trucks	28.0	28.0	28.0	28.0	0.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
Off-Site Inverters	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0
Off-Site Tracker Trucks	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.0	0.0
Off-Site Cabling Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Off-site Concrete Truck	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Off-Site Electrical Truck	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Low Bed Delivery Trucks	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Off-Site Worker Commute Car	25.3	25.3	25.3	25.3	0.0	25.3	25.3	25.3	25.3	25.3	25.3	25.3
SUBSTATION-BLDG-WATER TANK CO												
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	7.1	7.1	7.1	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**60.0**	**59.6**	**59.6**	**66.7**	**12.7**	**67.1**	**60.0**	**54.4**	**60.0**	**60.0**	**59.6**	**59.6**

Note: Emissions for Off-Site PV Panel Tru

Table 17-l
Monthly Off-Site Motor Vehicle CH4 Em

Vehicle Type	CH4 Emissions (lb/month)										
	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
FENCE - MOBILIZATION											
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO											
Off-Site Gravel Rock/AC trucks	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Low Bed Delivery Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	4.6	4.6	4.6	4.6	4.6	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION											
Off-Site Flat Bed Trucks	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Off-Site PV Panel Trucks	28.0	0.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	0.0
Off-Site Inverters	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Off-Site Tracker Trucks	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
Off-Site Cabling Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Off-site Concrete Truck	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
Off-Site Electrical Truck	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Low Bed Delivery Trucks	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.1	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.0
Off-Site Worker Commute Car	25.3	0.0	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	0.0
SUBSTATION-BLDG-WATER TANK CO											
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning											
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	7.1	7.1	7.1	0.0	0.0	0.0	0.0	0.0	7.1	7.1	7.1
TOTAL (lb/month)	**66.7**	**12.7**	**67.2**	**60.1**	**60.1**	**54.5**	**54.6**	**54.6**	**61.7**	**61.8**	**7.1**

Note: Emissions for Off-Site PV Panel Tru

Table 17-m
Monthly Off-Site Motor Vehicle N2O Emissions

Vehicle Type	Emission Factor (lb/mi)	N2O Emissions (lb/month) Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
FENCE - MOBILIZATION														
Off-Site Flat Bed Trucks	1.22E-04	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0	0.3
Off-Site Water Trucks	1.23E-04	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	7.80E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	1.22E-04	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0	0.3
Off-site Concrete Truck	1.23E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	7.80E-05	0.2	0.2	0.2	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.2
Off-Site Worker Commuter Bus, Small	7.91E-05	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1
Off-Site Worker Commute Car	3.41E-05	1.7	1.7	1.7	0.0	1.7	1.7	1.7	0.0	1.7	1.7	1.7	0.0	1.7
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK														
Off-Site Gravel Rock/AC trucks	1.22E-04	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0
Off-Site Water Trucks	1.23E-04	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0
Low Bed Delivery Trucks	1.22E-04	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Porto-Let Truck	7.80E-05	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Off-Site Worker Commute Car	3.41E-05	0.0	0.0	0.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	0.0
PV PANEL CONSTRUCTION														
Off-Site Flat Bed Trucks	1.22E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Off-Site PV Panel Trucks	1.22E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87.6
Off-Site Inverters	1.22E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Off-Site Tracker Trucks	1.22E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
Off-Site Cabling Trucks	1.23E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Off-Site Fuel & Lube	7.80E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Off-site Concrete Truck	1.23E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
Off-Site Electrical Truck	1.22E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Low Bed Delivery Trucks	1.22E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Porto-Let Truck	7.80E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Off-Site Worker Commuter Bus, Small	7.91E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Off-Site Worker Commute Car	3.41E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5
SUBSTATION-BLDG-WATER TANK CONSTRUCTION														
Off-site Insulation Truck	1.22E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	1.22E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	1.22E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	1.22E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	1.22E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	1.22E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	3.41E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning														
Off-Site Flat Bed Trucks	1.22E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	7.80E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	1.23E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	3.41E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)		**2.8**	**2.9**	**2.9**	**5.7**	**8.2**	**8.2**	**8.2**	**5.7**	**8.2**	**8.2**	**8.2**	**5.7**	**107.4**

Note: Emissions for Off-Site PV Panel Trucks are for total round-trip distance to Port of Los Angeles (estimated 436 miles)

Table 17-m
Monthly Off-Site Motor Vehicle N2O En

	N2O Emissions (lb/month)											
Vehicle Type	**Month 14**	**Month 15**	**Month 16**	**Month 17**	**Month 18**	**Month 19**	**Month 20**	**Month 21**	**Month 22**	**Month 23**	**Month 24**	**Month 25**
FENCE - MOBILIZATION												
Off-Site Flat Bed Trucks	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO												
Off-Site Gravel Rock/AC trucks	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5
Off-Site Water Trucks	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5
Low Bed Delivery Trucks	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
Porto-Let Truck	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
Off-Site Worker Commute Car	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	0.0	2.4	2.4
PV PANEL CONSTRUCTION												
Off-Site Flat Bed Trucks	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3
Off-Site PV Panel Trucks	87.6	87.6	87.6	87.6	87.6	87.6	87.6	0.0	87.6	87.6	87.6	87.6
Off-Site Inverters	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3
Off-Site Tracker Trucks	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
Off-Site Cabling Trucks	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Off-Site Fuel & Lube	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3
Off-site Concrete Truck	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7
Off-Site Electrical Truck	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3
Low Bed Delivery Trucks	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3
Porto-Let Truck	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2
Off-Site Worker Commuter Bus, Small	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2
Off-Site Worker Commute Car	13.5	13.5	13.5	13.5	13.5	13.5	13.5	0.0	13.5	13.5	13.5	13.5
SUBSTATION-BLDG-WATER TANK CO												
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	0.0	0.0	0.0
Testing & Commissioning												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	0.0	0.0	0.0
TOTAL (lb/month)	**113.2**	**113.2**	**110.6**	**110.6**	**110.6**	**112.5**	**116.3**	**11.4**	**116.3**	**104.9**	**110.6**	**110.6**

Note: Emissions for Off-Site PV Panel Tru

Table 17-m
Monthly Off-Site Motor Vehicle N2O En

	N2O Emissions (lb/month)											
Vehicle Type	**Month 26**	**Month 27**	**Month 28**	**Month 29**	**Month 30**	**Month 31**	**Month 32**	**Month 33**	**Month 34**	**Month 35**	**Month 36**	**Month 37**
FENCE - MOBILIZATION												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO												
Off-Site Gravel Rock/AC trucks	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5
Off-Site Water Trucks	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.5
Low Bed Delivery Trucks	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Porto-Let Truck	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Off-Site Worker Commute Car	2.4	2.4	2.4	2.4	2.4	2.4	2.4	0.0	2.4	2.4	2.4	2.4
PV PANEL CONSTRUCTION												
Off-Site Flat Bed Trucks	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Off-Site PV Panel Trucks	87.6	87.6	87.6	87.6	0.0	87.6	87.6	87.6	87.6	87.6	87.6	87.6
Off-Site Inverters	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.0	0.0
Off-Site Tracker Trucks	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0
Off-Site Cabling Trucks	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0
Off-Site Fuel & Lube	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Off-site Concrete Truck	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Off-Site Electrical Truck	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Low Bed Delivery Trucks	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Porto-Let Truck	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Off-Site Worker Commuter Bus, Small	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Off-Site Worker Commute Car	13.5	13.5	13.5	13.5	0.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5
SUBSTATION-BLDG-WATER TANK CO												
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning												
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (lb/month)	**110.6**	**109.2**	**109.2**	**113.0**	**9.6**	**114.5**	**110.6**	**104.9**	**110.6**	**110.6**	**109.2**	**109.2**

Note: Emissions for Off-Site PV Panel Tru

Table 17-m
Monthly Off-Site Motor Vehicle N2O En

	N2O Emissions (lb/month)										
Vehicle Type	**Month 38**	**Month 39**	**Month 40**	**Month 41**	**Month 42**	**Month 43**	**Month 44**	**Month 45**	**Month 46**	**Month 47**	**Month 48**
FENCE - MOBILIZATION											
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fencing Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commuter Bus, Small	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CIVIL IMPROVEMENTS - GRADING/RO											
Off-Site Gravel Rock/AC trucks	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Water Trucks	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
Low Bed Delivery Trucks	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Porto-Let Truck	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	2.4	2.4	2.4	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0
PV PANEL CONSTRUCTION											
Off-Site Flat Bed Trucks	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
Off-Site PV Panel Trucks	87.6	0.0	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	0.0
Off-Site Inverters	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
Off-Site Tracker Trucks	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0
Off-Site Cabling Trucks	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Off-Site Fuel & Lube	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
Off-site Concrete Truck	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0
Off-Site Electrical Truck	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
Low Bed Delivery Trucks	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
Porto-Let Truck	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
Off-Site Worker Commuter Bus, Small	0.2	0.0	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9	0.0
Off-Site Worker Commute Car	13.5	0.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	0.0
SUBSTATION-BLDG-WATER TANK CO											
Off-site Insulation Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Roof truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Wall Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Structural Steel truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Mechanical Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Architechtural Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Worker Commute Car	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Testing & Commissioning											
Off-Site Flat Bed Trucks	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-Site Fuel & Lube	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Off-site Concrete Truck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Off-Site Worker Commute Car	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8
TOTAL (lb/month)	**113.0**	**9.6**	**114.6**	**110.8**	**110.9**	**105.3**	**105.3**	**105.4**	**109.4**	**109.5**	**3.9**

Note: Emissions for Off-Site PV Panel Tru

Table 18-a
Off-Site Construction CO Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
12-Month Running Emissions (ton/year)[a]													
Off-Site Motor Vehicle Exhaust	5.4	7.7	10.3	12.9	15.2	17.2	19.2	21.5	24.4	24.9	27.7	29.3	31.6
12-Month Total (ton/year)	**5.4**	**7.7**	**10.3**	**12.9**	**15.2**	**17.2**	**19.2**	**21.5**	**24.4**	**24.9**	**27.7**	**29.3**	**31.6**
Maximum 12-Month Total (ton/year)	**31.7**												
Monthly Emissions (lb/month)													
Off-Site Motor Vehicle Exhaust	469.4	470.3	470.3	747.1	1,206.4	1,206.4	1,206.4	747.1	1,206.4	1,206.4	1,206.4	747.1	4,957.3
Monthly Total (lb/month)	**469.4**	**470.3**	**470.3**	**747.1**	**1,206.4**	**1,206.4**	**1,206.4**	**747.1**	**1,206.4**	**1,206.4**	**1,206.4**	**747.1**	**4,957.3**
Maximum Monthly Emissions (lb/month)	**6,692.9**												
Daily Emissions (lb/day)[b]													
Off-Site Motor Vehicle Exhaust	21.3	21.4	21.4	34.0	54.8	54.8	54.8	34.0	54.8	54.8	54.8	34.0	225.3
Daily Total (lb/day)	**21.3**	**21.4**	**21.4**	**34.0**	**54.8**	**54.8**	**54.8**	**34.0**	**54.8**	**54.8**	**54.8**	**34.0**	**225.3**
Maximum Daily Emissions (lb/day)	**304.2**												

[a] The value for each month is the total for that month and the next 11 months

[b] Daily emissions = Monthly emissions / 21 working days/month

Source	Daily (lb/day)	Annual (ton/year)
Motor Vehicle Exhaust	304.22	31.70
Maximum Off-Site Total	**304.22**	**31.70**
Peak Month	**20**	**14**

Table 18-a
Off-Site Construction CO Emissions Summa

	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26
12-Month Running Emissions (ton/year)[a]													
Off-Site Motor Vehicle Exhaust	31.7	31.5	31.2	31.2	31.7	29.9	30.2	29.5	30.6	29.9	30.3	30.2	30.2
12-Month Total (ton/year)	**31.7**	**31.5**	**31.2**	**31.2**	**31.7**	**29.9**	**30.2**	**29.5**	**30.6**	**29.9**	**30.3**	**30.2**	**30.2**
Maximum 12-Month Total (ton/year)													
Monthly Emissions (lb/month)													
Off-Site Motor Vehicle Exhaust	5,704.4	5,704.4	5,243.0	5,243.0	5,243.0	5,693.2	6,692.9	2,196.9	6,692.9	4,496.0	5,243.0	5,243.0	5,243.0
Monthly Total (lb/month)	**5,704.4**	**5,704.4**	**5,243.0**	**5,243.0**	**5,243.0**	**5,693.2**	**6,692.9**	**2,196.9**	**6,692.9**	**4,496.0**	**5,243.0**	**5,243.0**	**5,243.0**
Maximum Monthly Emissions (lb/month)													
Daily Emissions (lb/day)[b]													
Off-Site Motor Vehicle Exhaust	259.3	259.3	238.3	238.3	238.3	258.8	304.2	99.9	304.2	204.4	238.3	238.3	238.3
Daily Total (lb/day)	**259.3**	**259.3**	**238.3**	**238.3**	**238.3**	**258.8**	**304.2**	**99.9**	**304.2**	**204.4**	**238.3**	**238.3**	**238.3**
Maximum Daily Emissions (lb/day)													

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

Source
Motor Vehicle Exhaust
Maximum Off-Site Total
Peak Month

Table 18-a
Off-Site Construction CO Emissions Summa

	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39
12-Month Running Emissions (ton/year)[a]													
Off-Site Motor Vehicle Exhaust	30.7	29.0	29.5	29.0	30.8	29.9	29.5	29.5	29.7	29.8	27.7	25.1	22.0
12-Month Total (ton/year)	**30.7**	**29.0**	**29.5**	**29.0**	**30.8**	**29.9**	**29.5**	**29.5**	**29.7**	**29.8**	**27.7**	**25.1**	**22.0**
Maximum 12-Month Total (ton/year)													
Monthly Emissions (lb/month)													
Off-Site Motor Vehicle Exhaust	5,197.0	5,197.0	6,196.7	1,746.7	6,242.7	5,243.0	4,496.0	5,243.0	5,243.0	5,197.0	5,197.0	6,196.7	1,746.7
Monthly Total (lb/month)	**5,197.0**	**5,197.0**	**6,196.7**	**1,746.7**	**6,242.7**	**5,243.0**	**4,496.0**	**5,243.0**	**5,243.0**	**5,197.0**	**5,197.0**	**6,196.7**	**1,746.7**
Maximum Monthly Emissions (lb/month)													
Daily Emissions (lb/day)[b]													
Off-Site Motor Vehicle Exhaust	236.2	236.2	281.7	79.4	283.8	238.3	204.4	238.3	238.3	236.2	236.2	281.7	79.4
Daily Total (lb/day)	**236.2**	**236.2**	**281.7**	**79.4**	**283.8**	**238.3**	**204.4**	**238.3**	**238.3**	**236.2**	**236.2**	**281.7**	**79.4**
Maximum Daily Emissions (lb/day)													

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

Source
Motor Vehicle Exhaust
Maximum Off-Site Total
Peak Month

Table 18-a
Off-Site Construction CO Emissions Summa

	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
12-Month Running Emissions (ton/year)[a]									
Off-Site Motor Vehicle Exhaust	21.1	18.0	15.4	12.8	10.5	8.3	6.0	3.3	0.5
12-Month Total (ton/year)	**21.1**	**18.0**	**15.4**	**12.8**	**10.5**	**8.3**	**6.0**	**3.3**	**0.5**
Maximum 12-Month Total (ton/year)									
Monthly Emissions (lb/month)									
Off-Site Motor Vehicle Exhaust	6,244.7	5,247.2	5,249.3	4,504.3	4,506.4	4,508.4	5,511.9	5,514.0	1,001.4
Monthly Total (lb/month)	**6,244.7**	**5,247.2**	**5,249.3**	**4,504.3**	**4,506.4**	**4,508.4**	**5,511.9**	**5,514.0**	**1,001.4**
Maximum Monthly Emissions (lb/month)									
Daily Emissions (lb/day)[b]									
Off-Site Motor Vehicle Exhaust	283.9	238.5	238.6	204.7	204.8	204.9	250.5	250.6	45.5
Daily Total (lb/day)	**283.9**	**238.5**	**238.6**	**204.7**	**204.8**	**204.9**	**250.5**	**250.6**	**45.5**
Maximum Daily Emissions (lb/day)									

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

Source
Motor Vehicle Exhaust
Maximum Off-Site Total
Peak Month

Table 18-b
Off-Site Construction ROG Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
12-Month Running Emissions (ton/year)[a]													
Off-Site Motor Vehicle Exhaust	0.7	1.0	1.4	1.7	2.0	2.3	2.6	2.9	3.3	3.4	3.7	3.9	4.3
12-Month Total (ton/year)	**0.7**	**1.0**	**1.4**	**1.7**	**2.0**	**2.3**	**2.6**	**2.9**	**3.3**	**3.4**	**3.7**	**3.9**	**4.3**
Maximum 12-Month Total (ton/year)	**4.3**												
Monthly Emissions (lb/month)													
Off-Site Motor Vehicle Exhaust	58.9	59.1	59.1	97.9	154.6	154.6	154.6	97.9	154.6	154.6	154.6	97.9	674.8
Monthly Total (lb/month)	**58.9**	**59.1**	**59.1**	**97.9**	**154.6**	**154.6**	**154.6**	**97.9**	**154.6**	**154.6**	**154.6**	**97.9**	**674.8**
Maximum Monthly Emissions (lb/month)	**887.9**												
Daily Emissions (lb/day)[b]													
Off-Site Motor Vehicle Exhaust	2.7	2.7	2.7	4.5	7.0	7.0	7.0	4.5	7.0	7.0	7.0	4.5	30.7
Daily Total (lb/day)	**2.7**	**2.7**	**2.7**	**4.5**	**7.0**	**7.0**	**7.0**	**4.5**	**7.0**	**7.0**	**7.0**	**4.5**	**30.7**
Maximum Daily Emissions (lb/day)	**40.4**												

[a] The value for each month is the total for that month and the next 11 months

[b] Daily emissions = Monthly emissions / 21 working days/month

Source	Daily (lb/day)	Annual (ton/year)
Motor Vehicle Exhaust	40.36	4.28
Maximum Off-Site Total	**40.36**	**4.28**
Peak Month	**20**	**14**

Table 18-b
Off-Site Construction ROG Emissions Sum

	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26
12-Month Running Emissions (ton/year)[a]													
Off-Site Motor Vehicle Exhaust	4.3	4.2	4.2	4.2	4.3	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1
12-Month Total (ton/year)	**4.3**	**4.2**	**4.2**	**4.2**	**4.3**	**4.0**	**4.0**	**4.0**	**4.1**	**4.1**	**4.1**	**4.1**	**4.1**
Maximum 12-Month Total (ton/year)													
Monthly Emissions (lb/month)													
Off-Site Motor Vehicle Exhaust	772.8	772.8	715.6	715.6	715.6	769.5	887.9	270.3	887.9	617.7	715.6	715.6	715.6
Monthly Total (lb/month)	**772.8**	**772.8**	**715.6**	**715.6**	**715.6**	**769.5**	**887.9**	**270.3**	**887.9**	**617.7**	**715.6**	**715.6**	**715.6**
Maximum Monthly Emissions (lb/month)													
Daily Emissions (lb/day)[b]													
Off-Site Motor Vehicle Exhaust	35.1	35.1	32.5	32.5	32.5	35.0	40.4	12.3	40.4	28.1	32.5	32.5	32.5
Daily Total (lb/day)	**35.1**	**35.1**	**32.5**	**32.5**	**32.5**	**35.0**	**40.4**	**12.3**	**40.4**	**28.1**	**32.5**	**32.5**	**32.5**
Maximum Daily Emissions (lb/day)													

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

Source
Motor Vehicle Exhaust
Maximum Off-Site Total
Peak Month

Table 18-b
Off-Site Construction ROG Emissions Sum

	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39
12-Month Running Emissions (ton/year)[a]													
Off-Site Motor Vehicle Exhaust	4.1	3.9	4.0	3.9	4.2	4.1	4.0	4.0	4.0	4.0	3.7	3.4	3.0
12-Month Total (ton/year)	**4.1**	**3.9**	**4.0**	**3.9**	**4.2**	**4.1**	**4.0**	**4.0**	**4.0**	**4.0**	**3.7**	**3.4**	**3.0**
Maximum 12-Month Total (ton/year)													
Monthly Emissions (lb/month)													
Off-Site Motor Vehicle Exhaust	706.0	706.0	824.4	216.4	834.1	715.6	617.7	715.6	715.6	706.0	706.0	824.4	216.4
Monthly Total (lb/month)	**706.0**	**706.0**	**824.4**	**216.4**	**834.1**	**715.6**	**617.7**	**715.6**	**715.6**	**706.0**	**706.0**	**824.4**	**216.4**
Maximum Monthly Emissions (lb/month)													
Daily Emissions (lb/day)[b]													
Off-Site Motor Vehicle Exhaust	32.1	32.1	37.5	9.8	37.9	32.5	28.1	32.5	32.5	32.1	32.1	37.5	9.8
Daily Total (lb/day)	**32.1**	**32.1**	**37.5**	**9.8**	**37.9**	**32.5**	**28.1**	**32.5**	**32.5**	**32.1**	**32.1**	**37.5**	**9.8**
Maximum Daily Emissions (lb/day)													

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

Source
Motor Vehicle Exhaust
Maximum Off-Site Total
Peak Month

Table 18-b
Off-Site Construction ROG Emissions Sum

	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
12-Month Running Emissions (ton/year)[a]									
Off-Site Motor Vehicle Exhaust	2.9	2.4	2.1	1.7	1.4	1.1	0.8	0.4	0.1
12-Month Total (ton/year)	**2.9**	**2.4**	**2.1**	**1.7**	**1.4**	**1.1**	**0.8**	**0.4**	**0.1**
Maximum 12-Month Total (ton/year)									
Monthly Emissions (lb/month)									
Off-Site Motor Vehicle Exhaust	834.6	716.8	717.3	620.0	620.6	621.2	740.6	741.2	118.8
Monthly Total (lb/month)	**834.6**	**716.8**	**717.3**	**620.0**	**620.6**	**621.2**	**740.6**	**741.2**	**118.8**
Maximum Monthly Emissions (lb/month)									
Daily Emissions (lb/day)[b]									
Off-Site Motor Vehicle Exhaust	37.9	32.6	32.6	28.2	28.2	28.2	33.7	33.7	5.4
Daily Total (lb/day)	**37.9**	**32.6**	**32.6**	**28.2**	**28.2**	**28.2**	**33.7**	**33.7**	**5.4**
Maximum Daily Emissions (lb/day)									

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

Source
Motor Vehicle Exhaust
Maximum Off-Site Total
Peak Month

Table 18-c
Off-Site Construction NOx Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
12-Month Running Emissions (ton/year)[a]													
Off-Site Motor Vehicle Exhaust	4.3	7.5	11.0	14.5	17.7	20.8	23.9	27.1	30.3	30.3	33.5	36.3	39.5
12-Month Total (ton/year)	**4.3**	**7.5**	**11.0**	**14.5**	**17.7**	**20.8**	**23.9**	**27.1**	**30.3**	**30.3**	**33.5**	**36.3**	**39.5**
Maximum 12-Month Total (ton/year)	**39.7**												
Monthly Emissions (lb/month)													
Off-Site Motor Vehicle Exhaust	266.9	273.7	273.7	736.7	931.4	931.4	931.4	736.7	931.4	931.4	931.4	736.7	6,595.1
Monthly Total (lb/month)	**266.9**	**273.7**	**273.7**	**736.7**	**931.4**	**931.4**	**931.4**	**736.7**	**931.4**	**931.4**	**931.4**	**736.7**	**6,595.1**
Maximum Monthly Emissions (lb/month)	**7,331.9**												
Daily Emissions (lb/day)[b]													
Off-Site Motor Vehicle Exhaust	12.1	12.4	12.4	33.5	42.3	42.3	42.3	33.5	42.3	42.3	42.3	33.5	299.8
Daily Total (lb/day)	**12.1**	**12.4**	**12.4**	**33.5**	**42.3**	**42.3**	**42.3**	**33.5**	**42.3**	**42.3**	**42.3**	**33.5**	**299.8**
Maximum Daily Emissions (lb/day)	**333.3**												

[a] The value for each month is the total for that month and the next 11 months

[b] Daily emissions = Monthly emissions / 21 working days/month

Source	Daily (lb/day)	Annual (ton/year)
Motor Vehicle Exhaust	333.27	39.72
Maximum Off-Site Total	**333.27**	**39.72**
Peak Month	**14**	**14**

Table 18-c
Off-Site Construction NOx Emissions Sumn

	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26
12-Month Running Emissions (ton/year)[a]													
Off-Site Motor Vehicle Exhaust	39.7	39.6	39.4	39.2	39.1	36.0	36.0	35.9	38.6	38.5	38.9	38.7	38.6
12-Month Total (ton/year)	**39.7**	**39.6**	**39.4**	**39.2**	**39.1**	**36.0**	**36.0**	**35.9**	**38.6**	**38.5**	**38.9**	**38.7**	**38.6**
Maximum 12-Month Total (ton/year)													
Monthly Emissions (lb/month)													
Off-Site Motor Vehicle Exhaust	7,331.9	7,331.9	7,126.4	7,126.4	7,126.4	7,209.3	7,310.1	920.4	7,310.1	6,389.6	7,126.4	7,126.4	7,126.4
Monthly Total (lb/month)	**7,331.9**	**7,331.9**	**7,126.4**	**7,126.4**	**7,126.4**	**7,209.3**	**7,310.1**	**920.4**	**7,310.1**	**6,389.6**	**7,126.4**	**7,126.4**	**7,126.4**
Maximum Monthly Emissions (lb/month)													
Daily Emissions (lb/day)[b]													
Off-Site Motor Vehicle Exhaust	333.3	333.3	323.9	323.9	323.9	327.7	332.3	41.8	332.3	290.4	323.9	323.9	323.9
Daily Total (lb/day)	**333.3**	**333.3**	**323.9**	**323.9**	**323.9**	**327.7**	**332.3**	**41.8**	**332.3**	**290.4**	**323.9**	**323.9**	**323.9**
Maximum Daily Emissions (lb/day)													

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

Source
Motor Vehicle Exhaust
Maximum Off-Site Total
Peak Month

Table 18-c
Off-Site Construction NOx Emissions Sumn

	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39
12-Month Running Emissions (ton/year)[a]													
Off-Site Motor Vehicle Exhaust	38.5	35.5	35.7	35.8	39.0	38.6	38.3	38.4	38.1	37.9	34.5	31.1	27.6
12-Month Total (ton/year)	**38.5**	**35.5**	**35.7**	**35.8**	**39.0**	**38.6**	**38.3**	**38.4**	**38.1**	**37.9**	**34.5**	**31.1**	**27.6**
Maximum 12-Month Total (ton/year)													
Monthly Emissions (lb/month)													
Off-Site Motor Vehicle Exhaust	6,827.0	6,827.0	6,927.7	837.5	7,227.1	7,126.4	6,389.6	7,126.4	7,126.4	6,827.0	6,827.0	6,927.7	837.5
Monthly Total (lb/month)	**6,827.0**	**6,827.0**	**6,927.7**	**837.5**	**7,227.1**	**7,126.4**	**6,389.6**	**7,126.4**	**7,126.4**	**6,827.0**	**6,827.0**	**6,927.7**	**837.5**
Maximum Monthly Emissions (lb/month)													
Daily Emissions (lb/day)[b]													
Off-Site Motor Vehicle Exhaust	310.3	310.3	314.9	38.1	328.5	323.9	290.4	323.9	323.9	310.3	310.3	314.9	38.1
Daily Total (lb/day)	**310.3**	**310.3**	**314.9**	**38.1**	**328.5**	**323.9**	**290.4**	**323.9**	**323.9**	**310.3**	**310.3**	**314.9**	**38.1**
Maximum Daily Emissions (lb/day)													

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

Source
Motor Vehicle Exhaust
Maximum Off-Site Total
Peak Month

Table 18-c
Off-Site Construction NOx Emissions Sumn

	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
12-Month Running Emissions (ton/year)[a]									
Off-Site Motor Vehicle Exhaust	27.2	23.6	20.0	16.4	13.2	10.0	6.7	3.4	0.1
12-Month Total (ton/year)	**27.2**	**23.6**	**20.0**	**16.4**	**13.2**	**10.0**	**6.7**	**3.4**	**0.1**
Maximum 12-Month Total (ton/year)									
Monthly Emissions (lb/month)									
Off-Site Motor Vehicle Exhaust	7,245.8	7,163.6	7,182.2	6,464.1	6,482.7	6,501.3	6,634.3	6,652.9	114.4
Monthly Total (lb/month)	**7,245.8**	**7,163.6**	**7,182.2**	**6,464.1**	**6,482.7**	**6,501.3**	**6,634.3**	**6,652.9**	**114.4**
Maximum Monthly Emissions (lb/month)									
Daily Emissions (lb/day)[b]									
Off-Site Motor Vehicle Exhaust	329.4	325.6	326.5	293.8	294.7	295.5	301.6	302.4	5.2
Daily Total (lb/day)	**329.4**	**325.6**	**326.5**	**293.8**	**294.7**	**295.5**	**301.6**	**302.4**	**5.2**
Maximum Daily Emissions (lb/day)									

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

Source
Motor Vehicle Exhaust
Maximum Off-Site Total
Peak Month

Table 18-d
Off-Site Construction SOx Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
12-Month Running Emissions (ton/year)[a]													
Off-Site Motor Vehicle Exhaust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
12-Month Total (ton/year)	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
Maximum 12-Month Total (ton/year)	**0.1**												
Monthly Emissions (lb/month)													
Off-Site Motor Vehicle Exhaust	0.8	0.8	0.8	1.6	2.3	2.3	2.3	1.6	2.3	2.3	2.3	1.6	12.6
Monthly Total (lb/month)	**0.8**	**0.8**	**0.8**	**1.6**	**2.3**	**2.3**	**2.3**	**1.6**	**2.3**	**2.3**	**2.3**	**1.6**	**12.6**
Maximum Monthly Emissions (lb/month)	**15.0**												
Daily Emissions (lb/day)[b]													
On-Site Motor Vehicle Exhaust	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.6
Daily Total (lb/day)	**0.0**	**0.0**	**0.0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.6**
Maximum Daily Emissions (lb/day)	**0.7**												

[a] The value for each month is the total for that month and the next 11 months

[b] Daily emissions = Monthly emissions / 21 working days/month

Source[a]	Daily (lb/day)	Annual (ton/year)
Motor Vehicle Exhaust	0.68	0.08
Maximum Off-Site Total	**0.68**	**0.08**
Peak Month	**20**	**14**

[a] Emissions from source during period with maximum on-site total emissions

Table 18-d
Off-Site Construction SOx Emissions Sumn

	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26
12-Month Running Emissions (ton/year)[a]													
Off-Site Motor Vehicle Exhaust	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12-Month Total (ton/year)	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
Maximum 12-Month Total (ton/year)													
Monthly Emissions (lb/month)													
Off-Site Motor Vehicle Exhaust	14.2	14.2	13.5	13.5	13.5	14.0	15.0	3.1	15.0	11.9	13.5	13.5	13.5
Monthly Total (lb/month)	**14.2**	**14.2**	**13.5**	**13.5**	**13.5**	**14.0**	**15.0**	**3.1**	**15.0**	**11.9**	**13.5**	**13.5**	**13.5**
Maximum Monthly Emissions (lb/month)													
Daily Emissions (lb/day)[b]													
On-Site Motor Vehicle Exhaust	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.1	0.7	0.5	0.6	0.6	0.6
Daily Total (lb/day)	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**	**0.7**	**0.1**	**0.7**	**0.5**	**0.6**	**0.6**	**0.6**
Maximum Daily Emissions (lb/day)													

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

Source[a]
Motor Vehicle Exhaust
Maximum Off-Site Total
Peak Month

[a] Emissions from source during period with ma

Table 18-d
Off-Site Construction SOx Emissions Sumn

	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39
12-Month Running Emissions (ton/year)[a]													
Off-Site Motor Vehicle Exhaust	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12-Month Total (ton/year)	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
Maximum 12-Month Total (ton/year)													
Monthly Emissions (lb/month)													
Off-Site Motor Vehicle Exhaust	13.1	13.1	14.1	2.6	14.5	13.5	11.9	13.5	13.5	13.1	13.1	14.1	2.6
Monthly Total (lb/month)	**13.1**	**13.1**	**14.1**	**2.6**	**14.5**	**13.5**	**11.9**	**13.5**	**13.5**	**13.1**	**13.1**	**14.1**	**2.6**
Maximum Monthly Emissions (lb/month)													
Daily Emissions (lb/day)[b]													
On-Site Motor Vehicle Exhaust	0.6	0.6	0.6	0.1	0.7	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.1
Daily Total (lb/day)	**0.6**	**0.6**	**0.6**	**0.1**	**0.7**	**0.6**	**0.5**	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**	**0.1**
Maximum Daily Emissions (lb/day)													

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

Source[a]
Motor Vehicle Exhaust
Maximum Off-Site Total
Peak Month

[a] Emissions from source during period with ma

Table 18-d
Off-Site Construction SOx Emissions Sumn

	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
12-Month Running Emissions (ton/year)[a]									
Off-Site Motor Vehicle Exhaust	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-Month Total (ton/year)	**0.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Maximum 12-Month Total (ton/year)									
Monthly Emissions (lb/month)									
Off-Site Motor Vehicle Exhaust	14.6	13.6	13.6	12.0	12.1	12.1	13.1	13.2	1.0
Monthly Total (lb/month)	**14.6**	**13.6**	**13.6**	**12.0**	**12.1**	**12.1**	**13.1**	**13.2**	**1.0**
Maximum Monthly Emissions (lb/month)									
Daily Emissions (lb/day)[b]									
On-Site Motor Vehicle Exhaust	0.7	0.6	0.6	0.5	0.5	0.5	0.6	0.6	0.0
Daily Total (lb/day)	**0.7**	**0.6**	**0.6**	**0.5**	**0.5**	**0.5**	**0.6**	**0.6**	**0.0**
Maximum Daily Emissions (lb/day)									

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

Source[a]
Motor Vehicle Exhaust
Maximum Off-Site Total
Peak Month

[a] Emissions from source during period with ma

Table 18-e
Off-Site Construction PM10 Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
12-Month Running Emissions (ton/year)[a]													
Off-Site Motor Vehicle Exhaust	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.6	0.7	0.7	0.8	0.9	0.9
Off-Site Motor Vehicle Fugitive	0.3	0.4	0.6	0.7	0.9	1.0	1.1	1.3	1.4	1.5	1.6	1.7	1.9
12-Month Total (ton/year)	**0.4**	**0.6**	**0.9**	**1.1**	**1.3**	**1.5**	**1.7**	**1.9**	**2.2**	**2.2**	**2.4**	**2.6**	**2.8**
Maximum 12-Month Total (ton/year)	**2.8**												
Monthly Emissions (lb/month)													
Off-Site Motor Vehicle Exhaust	6.3	6.4	6.4	17.2	21.7	21.7	21.7	17.2	21.7	21.7	21.7	17.2	158.5
Off-Site Motor Vehicle Fugitive	24.8	24.9	24.9	41.9	64.7	64.7	64.7	41.9	64.7	64.7	64.7	41.9	299.6
Monthly Total (lb/month)	**31.0**	**31.3**	**31.3**	**59.0**	**86.5**	**86.5**	**86.5**	**59.0**	**86.5**	**86.5**	**86.5**	**59.0**	**458.0**
Maximum Monthly Emissions (lb/month)	**554.9**												
Daily Emissions (lb/day)[b]													
On-Site Motor Vehicle Exhaust	0.3	0.3	0.3	0.8	1.0	1.0	1.0	0.8	1.0	1.0	1.0	0.8	7.2
Off-Site Motor Vehicle Fugitive	1.1	1.1	1.1	1.9	2.9	2.9	2.9	1.9	2.9	2.9	2.9	1.9	13.6
Daily Total (lb/day)	**1.4**	**1.4**	**1.4**	**2.7**	**3.9**	**3.9**	**3.9**	**2.7**	**3.9**	**3.9**	**3.9**	**2.7**	**20.8**
Maximum Daily Emissions (lb/day)	**25.2**												

[a] The value for each month is the total for that month and the next 11 months

[b] Daily emissions = Monthly emissions / 21 working days/month

Source	Daily (lb/day)	Annual (ton/year)
Motor Vehicle Exhaust	7.89	0.95
Off-Site Motor Vehicle Fugitive	17.34	1.88
Maximum Off-Site Total	**25.22**	**2.83**
Peak Month	**20**	**14**

Table 18-e
Off-Site Construction PM10 Emissions Sum

	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26
12-Month Running Emissions (ton/year)[a]													
Off-Site Motor Vehicle Exhaust	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Off-Site Motor Vehicle Fugitive	1.9	1.9	1.9	1.8	1.9	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.8
12-Month Total (ton/year)	**2.8**	**2.8**	**2.8**	**2.8**	**2.8**	**2.6**	**2.6**	**2.6**	**2.7**	**2.7**	**2.7**	**2.7**	**2.7**
Maximum 12-Month Total (ton/year)													
Monthly Emissions (lb/month)													
Off-Site Motor Vehicle Exhaust	175.6	175.6	170.6	170.6	170.6	172.1	173.6	20.1	173.6	153.4	170.6	170.6	170.6
Off-Site Motor Vehicle Fugitive	341.5	341.5	317.9	317.9	317.9	337.9	381.4	105.3	381.4	276.1	317.9	317.9	317.9
Monthly Total (lb/month)	**517.1**	**517.1**	**488.5**	**488.5**	**488.5**	**510.1**	**554.9**	**125.4**	**554.9**	**429.5**	**488.5**	**488.5**	**488.5**
Maximum Monthly Emissions (lb/month)													
Daily Emissions (lb/day)[b]													
On-Site Motor Vehicle Exhaust	8.0	8.0	7.8	7.8	7.8	7.8	7.9	0.9	7.9	7.0	7.8	7.8	7.8
Off-Site Motor Vehicle Fugitive	15.5	15.5	14.5	14.5	14.5	15.4	17.3	4.8	17.3	12.5	14.5	14.5	14.5
Daily Total (lb/day)	**23.5**	**23.5**	**22.2**	**22.2**	**22.2**	**23.2**	**25.2**	**5.7**	**25.2**	**19.5**	**22.2**	**22.2**	**22.2**
Maximum Daily Emissions (lb/day)													

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

Source
Motor Vehicle Exhaust
Off-Site Motor Vehicle Fugitive
Maximum Off-Site Total
Peak Month

Table 18-e
Off-Site Construction PM10 Emissions Sum

	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39
12-Month Running Emissions (ton/year)[a]													
Off-Site Motor Vehicle Exhaust	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.7	0.7
Off-Site Motor Vehicle Fugitive	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.6	1.5	1.3
12-Month Total (ton/year)	**2.7**	**2.6**	**2.6**	**2.6**	**2.8**	**2.7**	**2.7**	**2.7**	**2.7**	**2.7**	**2.5**	**2.2**	**2.0**
Maximum 12-Month Total (ton/year)													
Monthly Emissions (lb/month)													
Off-Site Motor Vehicle Exhaust	163.4	163.4	164.8	18.6	172.0	170.6	153.4	170.6	170.6	163.4	163.4	164.8	18.6
Off-Site Motor Vehicle Fugitive	312.0	312.0	355.5	85.3	361.4	317.9	276.1	317.9	317.9	312.0	312.0	355.5	85.3
Monthly Total (lb/month)	**475.4**	**475.4**	**520.3**	**103.9**	**533.4**	**488.5**	**429.5**	**488.5**	**488.5**	**475.4**	**475.4**	**520.3**	**103.9**
Maximum Monthly Emissions (lb/month)													
Daily Emissions (lb/day)[b]													
On-Site Motor Vehicle Exhaust	7.4	7.4	7.5	0.8	7.8	7.8	7.0	7.8	7.8	7.4	7.4	7.5	0.8
Off-Site Motor Vehicle Fugitive	14.2	14.2	16.2	3.9	16.4	14.5	12.5	14.5	14.5	14.2	14.2	16.2	3.9
Daily Total (lb/day)	**21.6**	**21.6**	**23.6**	**4.7**	**24.2**	**22.2**	**19.5**	**22.2**	**22.2**	**21.6**	**21.6**	**23.6**	**4.7**
Maximum Daily Emissions (lb/day)													

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

Source
Motor Vehicle Exhaust
Off-Site Motor Vehicle Fugitive
Maximum Off-Site Total
Peak Month

Table 18-e
Off-Site Construction PM10 Emissions Sum

	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
12-Month Running Emissions (ton/year)[a]									
Off-Site Motor Vehicle Exhaust	0.7	0.6	0.5	0.4	0.3	0.2	0.2	0.1	0.0
Off-Site Motor Vehicle Fugitive	1.3	1.1	0.9	0.8	0.6	0.5	0.3	0.2	0.0
12-Month Total (ton/year)	**1.9**	**1.7**	**1.4**	**1.2**	**0.9**	**0.7**	**0.5**	**0.3**	**0.0**
Maximum 12-Month Total (ton/year)									
Monthly Emissions (lb/month)									
Off-Site Motor Vehicle Exhaust	172.5	171.5	172.0	155.3	155.7	156.2	158.4	158.8	1.7
Off-Site Motor Vehicle Fugitive	362.0	319.3	319.9	278.7	279.4	280.0	324.4	325.1	43.7
Monthly Total (lb/month)	**534.5**	**490.8**	**491.9**	**434.0**	**435.1**	**436.3**	**482.8**	**483.9**	**45.4**
Maximum Monthly Emissions (lb/month)									
Daily Emissions (lb/day)[b]									
On-Site Motor Vehicle Exhaust	7.8	7.8	7.8	7.1	7.1	7.1	7.2	7.2	0.1
Off-Site Motor Vehicle Fugitive	16.5	14.5	14.5	12.7	12.7	12.7	14.7	14.8	2.0
Daily Total (lb/day)	**24.3**	**22.3**	**22.4**	**19.7**	**19.8**	**19.8**	**21.9**	**22.0**	**2.1**
Maximum Daily Emissions (lb/day)									

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

Source
Motor Vehicle Exhaust
Off-Site Motor Vehicle Fugitive
Maximum Off-Site Total
Peak Month

Table 18-f
Off-Site Construction PM2.5 Emissions Summary

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13
12-Month Running Emissions (ton/year)[a]													
Off-Site Motor Vehicle Exhaust	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.7	0.7	0.8	0.9
Off-Site Motor Vehicle Fugitive	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.6
12-Month Total (ton/year)	**0.2**	**0.3**	**0.4**	**0.5**	**0.7**	**0.8**	**0.9**	**1.0**	**1.1**	**1.1**	**1.2**	**1.3**	**1.4**
Maximum 12-Month Total (ton/year)	**1.4**												
Monthly Emissions (lb/month)													
Off-Site Motor Vehicle Exhaust	5.8	5.9	5.9	15.8	20.0	20.0	20.0	15.8	20.0	20.0	20.0	15.8	145.8
Off-Site Motor Vehicle Fugitive	7.6	7.7	7.7	12.8	19.8	19.8	19.8	12.8	19.8	19.8	19.8	12.8	91.7
Monthly Total (lb/month)	**13.4**	**13.5**	**13.5**	**28.6**	**39.8**	**39.8**	**39.8**	**28.6**	**39.8**	**39.8**	**39.8**	**28.6**	**237.5**
Maximum Monthly Emissions (lb/month)	**276.1**												
Daily Emissions (lb/day)[b]													
Off-Site Motor Vehicle Exhaust	0.3	0.3	0.3	0.7	0.9	0.9	0.9	0.7	0.9	0.9	0.9	0.7	6.6
Off-Site Motor Vehicle Fugitive	0.3	0.3	0.3	0.6	0.9	0.9	0.9	0.6	0.9	0.9	0.9	0.6	4.2
Daily Total (lb/day)	**0.6**	**0.6**	**0.6**	**1.3**	**1.8**	**1.8**	**1.8**	**1.3**	**1.8**	**1.8**	**1.8**	**1.3**	**10.8**
Maximum Daily Emissions (lb/day)	**12.5**												

[a] The value for each month is the total for that month and the next 11 months

[b] Daily emissions = Monthly emissions / 21 working days/month

Source[a]	Daily (lb/day)	Annual (ton/year)
Motor Vehicle Exhaust	7.26	0.87
Off-Site Motor Vehicle Fugitive	5.29	0.57
Maximum Off-Site Total	**12.55**	**1.45**
Peak Month	**20**	**14**

Table 18-f
Off-Site Construction PM2.5 Emissions Sun

	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26
12-Month Running Emissions (ton/year)[a]													
Off-Site Motor Vehicle Exhaust	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.8
Off-Site Motor Vehicle Fugitive	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.6	0.5	0.6	0.6	0.6
12-Month Total (ton/year)	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.3**	**1.3**	**1.3**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**
Maximum 12-Month Total (ton/year)													
Monthly Emissions (lb/month)													
Off-Site Motor Vehicle Exhaust	161.5	161.5	156.9	156.9	156.9	158.3	159.6	18.5	159.6	141.1	156.9	156.9	156.9
Off-Site Motor Vehicle Fugitive	104.5	104.5	97.3	97.3	97.3	103.3	116.5	32.0	116.5	84.5	97.3	97.3	97.3
Monthly Total (lb/month)	**266.0**	**266.0**	**254.2**	**254.2**	**254.2**	**261.7**	**276.1**	**50.5**	**276.1**	**225.6**	**254.2**	**254.2**	**254.2**
Maximum Monthly Emissions (lb/month)													
Daily Emissions (lb/day)[b]													
Off-Site Motor Vehicle Exhaust	7.3	7.3	7.1	7.1	7.1	7.2	7.3	0.8	7.3	6.4	7.1	7.1	7.1
Off-Site Motor Vehicle Fugitive	4.8	4.8	4.4	4.4	4.4	4.7	5.3	1.5	5.3	3.8	4.4	4.4	4.4
Daily Total (lb/day)	**12.1**	**12.1**	**11.6**	**11.6**	**11.6**	**11.9**	**12.5**	**2.3**	**12.5**	**10.3**	**11.6**	**11.6**	**11.6**
Maximum Daily Emissions (lb/day)													

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

Source[a]
Motor Vehicle Exhaust
Off-Site Motor Vehicle Fugitive
Maximum Off-Site Total
Peak Month

Table 18-f
Off-Site Construction PM2.5 Emissions Sun

	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39
12-Month Running Emissions (ton/year)[a]													
Off-Site Motor Vehicle Exhaust	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.6
Off-Site Motor Vehicle Fugitive	0.6	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
12-Month Total (ton/year)	**1.4**	**1.3**	**1.3**	**1.3**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**	**1.3**	**1.1**	**1.0**
Maximum 12-Month Total (ton/year)													
Monthly Emissions (lb/month)													
Off-Site Motor Vehicle Exhaust	150.3	150.3	151.6	17.1	158.2	156.9	141.1	156.9	156.9	150.3	150.3	151.6	17.1
Off-Site Motor Vehicle Fugitive	95.5	95.5	108.6	25.9	110.4	97.3	84.5	97.3	97.3	95.5	95.5	108.6	25.9
Monthly Total (lb/month)	**245.7**	**245.7**	**260.2**	**43.0**	**268.6**	**254.2**	**225.6**	**254.2**	**254.2**	**245.7**	**245.7**	**260.2**	**43.0**
Maximum Monthly Emissions (lb/month)													
Daily Emissions (lb/day)[b]													
Off-Site Motor Vehicle Exhaust	6.8	6.8	6.9	0.8	7.2	7.1	6.4	7.1	7.1	6.8	6.8	6.9	0.8
Off-Site Motor Vehicle Fugitive	4.3	4.3	4.9	1.2	5.0	4.4	3.8	4.4	4.4	4.3	4.3	4.9	1.2
Daily Total (lb/day)	**11.2**	**11.2**	**11.8**	**2.0**	**12.2**	**11.6**	**10.3**	**11.6**	**11.6**	**11.2**	**11.2**	**11.8**	**2.0**
Maximum Daily Emissions (lb/day)													

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

Source[a]
Motor Vehicle Exhaust
Off-Site Motor Vehicle Fugitive
Maximum Off-Site Total
Peak Month

Table 18-f
Off-Site Construction PM2.5 Emissions Sun

	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
12-Month Running Emissions (ton/year)[a]									
Off-Site Motor Vehicle Exhaust	0.6	0.5	0.4	0.4	0.3	0.2	0.1	0.1	0.0
Off-Site Motor Vehicle Fugitive	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.0
12-Month Total (ton/year)	**1.0**	**0.9**	**0.7**	**0.6**	**0.5**	**0.4**	**0.3**	**0.1**	**0.0**
Maximum 12-Month Total (ton/year)									
Monthly Emissions (lb/month)									
Off-Site Motor Vehicle Exhaust	158.6	157.8	158.2	142.8	143.3	143.7	145.7	146.1	1.6
Off-Site Motor Vehicle Fugitive	110.6	97.7	98.0	85.4	85.6	85.9	99.3	99.5	13.2
Monthly Total (lb/month)	**269.3**	**255.5**	**256.2**	**228.2**	**228.9**	**229.6**	**245.0**	**245.6**	**14.8**
Maximum Monthly Emissions (lb/month)									
Daily Emissions (lb/day)[b]									
Off-Site Motor Vehicle Exhaust	7.2	7.2	7.2	6.5	6.5	6.5	6.6	6.6	0.1
Off-Site Motor Vehicle Fugitive	5.0	4.4	4.5	3.9	3.9	3.9	4.5	4.5	0.6
Daily Total (lb/day)	**12.2**	**11.6**	**11.6**	**10.4**	**10.4**	**10.4**	**11.1**	**11.2**	**0.7**
Maximum Daily Emissions (lb/day)									

[a] The value for each month is the total for that m

[b] Daily emissions = Monthly emissions / 21 worl

Source[a]
Motor Vehicle Exhaust
Off-Site Motor Vehicle Fugitive
Maximum Off-Site Total
Peak Month

Table 19-a
Maximum Daily Off-Site Criteria Pollutant Emissions Summary

Pollutant	Maximum Daily Emissions (lb/day)
CO	304.2
ROG	40.4
NOx	333.3
SOx	0.7
Exhaust PM10	7.9
Fugitive PM10	17.3
Total PM10	25.2
Exhaust PM2.5	7.3
Fugitive PM2.5	5.3
Total PM2.5	12.5

Table 19-b
Maximum Annual Off-Site Criteria Pollutant Emissions Summary

Pollutant	Maximum Daily Emissions (lb/day)
CO	31.7
ROG	4.3
NOx	39.7
SOx	0.1
Exhaust PM10	0.9
Fugitive PM10	1.9
Total PM10	2.8
Exhaust PM2.5	0.9
Fugitive PM2.5	0.6
Total PM2.5	1.4

Table 20
Construction Greenhouse Gas Emissions Summary

Source	Total Emissions (ton)			CO2e (MT)[a]
	CO2	CH4	N2O	
Construction Equipment	6,284.5	0.4	0.2	5,755.7
On-Site Motor Vehicles	739.8	0.0	0.0	678.2
Off-Site Motor Vehicles	52,523.5	1.0	1.8	48,181.2
TOTAL	**59,547.8**	**1.5**	**2.0**	**54,615.2**
TOTAL Amortized over 30 years (MT CO2e/year)				**1,820.5**

[a] CO2e [MT] = (CO2 [ton] + 21 x CH4 [ton] + 310 x N2O [ton]) x 2000 [lb/ton] x 453.6 [g/lb] / 1,000,000 [g/MT]

Table 21
On-Site Construction DPM Emissions Summary

Source	Total DPM Emissions (lb)
FENCE - MOBILIZATION	
Construction Equipment	105.9
On-Site Motor Vehicles	41.7
Total	**147.6**
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK	
Construction Equipment	2,239.0
On-Site Motor Vehicles	110.3
Total	**2,349.4**
PV PANEL CONSTRUCTION	
Construction Equipment	945.1
On-Site Motor Vehicles	76.7
Total	**1,021.9**
SUBSTATION-BLDG-WATER TANK CONSTRUCTION	
Construction Equipment	29.2
On-Site Motor Vehicles	1.3
Total	**30.5**
Testing & Commissioning	
Construction Equipment	66.9
On-Site Motor Vehicles	7.9
Total	**74.7**
On-Site Total	**3,624.0**

Operations and Maintenance Emissions

Table 1
Off-Road Equipment Emission Factors

Equipment	Fuel	HP	Model Year[a]	OFFROAD Model Category	Emissions Factors (lb/hr)[b]								
					CO	ROG	NOx	SO2	PM10	PM2.5	CO2	CH4	N2O
Portable Generator Lights	Diesel	35	2008	Generator Sets	1.82E-01	1.26E-02	2.57E-01	3.96E-04	8.11E-03	7.46E-03	3.06E+01	1.14E-03	7.98E-04

[a] Earliest model year required to meet at least Tier 3 emission standards

[b] All except N2O calculated by dividing California statewide daily emissions by daily operating hours from OFFROAD2007 for calendar year 2014

N_2O calculated from 0.26 g/gal from Table 13.7 of 2013 Climate Action Registry Default Emission Factors, downloaded from

http://www.theclimateregistry.org/downloads/2013/01/2013-Climate-Registry-Default-Emissions-Factors.pdf

Fuel use for N2O calculation calculated by dividing California statewide daily fuel consumption by daily operating hours from OFFROAD2007 for calendar year 2014.

CARB released the OFFROAD 2011 off-road equipment emissions model in September 2011. The OFFROAD 2011 model was developed primarily to support CARB regulatory activities to reduce emissions from in-use off-road equipment. The OFFROAD 2011 model does not include emissions and emission factors for all of the types of construction equipment that are anticipated to be used for construction activities for the Modified Project. It also does not include emissions of greenhouse gases. Because of the limitations in the OFFROAD 2011 model, it was not used for these analyses. Emission factors calculated using the OFFROAD 2011 model are generally lower than emission factors calculated using the OFFROAD 2007 model. Therefore, use of the emission factors calculated using the OFFROAD 2007 model provides a conservative estimate of emissions.

Table 2
EMFAC2011 Motor Vehicle Emission Factors, Riverside County, 2018 CY, 2018 Model Year

Vehicle Class	Fuel	Fuel Use (mpg)[a]	TOG (lb/mi)[a]	CO (lb/mi)[a]	ROG (lb/mi)[a]	NOx (lb/mi)[a]	SO2 (lb/mi)[a]	PM10 Exh. (lb/mi)[a]	PM2.5 Exh. (lb/mi)[a]	CO2 (lb/mi)[a]	CH4 (lb/mi)[b]	N2O (lb/mi)[b]	PM10 Tire Wear (lb/mi)[a]	PM10 Brake Wear (lb/mi)[a]	PM2.5 Tire Wear (lb/mi)[a]	PM2.5 Brake Wear (lb/mi)[a]
LDA	GAS	2.47E+01	5.44E-05	9.06E-04	4.34E-05	8.60E-05	7.59E-06	5.41E-06	5.02E-06	4.66E-01	2.20E-05	3.58E-06	1.76E-05	8.10E-05	4.41E-06	3.47E-05
LDA	DSL	2.85E+01	1.16E-05	7.53E-05	1.02E-05	3.13E-04	7.44E-06	6.58E-06	6.06E-06	4.79E-01	4.75E-07	2.56E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
LDT1	GAS	2.12E+01	5.07E-05	9.00E-04	3.97E-05	8.61E-05	8.83E-06	5.38E-06	4.99E-06	5.42E-01	4.70E-05	3.58E-06	1.76E-05	8.10E-05	4.41E-06	3.47E-05
LDT1	DSL	2.85E+01	1.39E-05	8.86E-05	1.22E-05	3.75E-04	7.44E-06	6.58E-06	6.06E-06	4.79E-01	5.66E-07	2.56E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
LDT2	GAS	1.82E+01	4.94E-05	9.94E-04	3.68E-05	9.83E-05	1.03E-05	5.40E-06	5.01E-06	7.22E-01	3.00E-05	4.09E-06	1.76E-05	8.10E-05	4.41E-06	3.47E-05
LDT2	DSL	2.87E+01	1.37E-05	8.84E-05	1.20E-05	3.72E-04	7.39E-06	6.50E-06	5.98E-06	5.42E-01	5.58E-07	2.55E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
LHD1	GAS	1.42E+01	1.56E-04	2.34E-03	1.39E-04	8.67E-04	1.32E-05	3.67E-07	3.41E-07	1.24E+00	4.40E-05	3.61E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
LHD1	DSL	1.93E+01	6.49E-05	4.52E-04	5.70E-05	1.63E-03	1.10E-05	1.04E-05	9.61E-06	1.07E+00	2.65E-06	3.78E-05	2.65E-05	1.69E-04	6.61E-06	7.22E-05
LHD2	GAS	1.42E+01	1.51E-04	2.25E-03	1.34E-04	8.42E-04	1.32E-05	3.62E-07	3.36E-07	1.23E+00	3.57E-05	3.50E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
LHD2	DSL	1.93E+01	6.49E-05	4.48E-04	5.70E-05	1.61E-03	1.10E-05	1.04E-05	9.58E-06	1.07E+00	2.65E-06	3.78E-05	2.65E-05	1.97E-04	6.61E-06	8.43E-05
MCY	GAS	3.88E+01	7.79E-03	5.43E-02	7.20E-03	2.68E-03	4.84E-06	7.78E-07	6.76E-07	3.54E-01	4.56E-04	1.12E-04	1.76E-05	8.10E-05	4.41E-06	3.47E-05
MDV	GAS	1.42E+01	5.29E-05	1.06E-03	3.99E-05	9.81E-05	1.32E-05	5.48E-06	5.08E-06	9.28E-01	5.08E-05	4.08E-06	1.76E-05	8.10E-05	4.41E-06	3.47E-05
MDV	DSL	2.87E+01	1.14E-05	7.45E-05	1.00E-05	3.09E-04	7.38E-06	6.45E-06	5.93E-06	5.42E-01	4.64E-07	2.54E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
MH	GAS	1.46E+01	3.63E-05	4.46E-04	2.23E-05	3.53E-04	1.28E-05	2.38E-07	2.21E-07	1.20E+00	3.61E-05	1.47E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
MH	DSL	9.26E+00	1.39E-04	7.32E-04	1.22E-04	5.94E-03	2.29E-05	6.69E-05	6.15E-05	2.24E+00	5.66E-06	7.89E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
Motor Coach	DSL	5.99E+00	4.20E-04	2.34E-03	3.69E-04	2.80E-03	3.54E-05	1.24E-04	1.14E-04	3.47E+00	1.71E-05	1.22E-04	2.65E-05	2.87E-04	6.61E-06	1.23E-04
OBUS	GAS	1.33E+01	5.25E-04	7.65E-03	4.82E-04	1.24E-03	1.41E-05	5.32E-07	4.94E-07	1.31E+00	1.11E-04	5.17E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
PTO	DSL	4.76E+00	5.21E-04	1.41E-03	4.58E-04	2.89E-03	4.45E-05	6.83E-05	6.29E-05	4.36E+00	2.13E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SBUS	GAS	1.11E+01	3.36E-04	3.72E-03	2.91E-04	5.25E-04	1.69E-05	6.31E-07	5.86E-07	1.57E+00	1.54E-04	2.18E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
SBUS	DSL	7.47E+00	3.21E-04	1.35E-03	2.82E-04	2.52E-03	2.84E-05	4.77E-05	4.39E-05	2.78E+00	1.31E-05	9.79E-05	2.65E-05	1.64E-03	6.61E-06	7.04E-04
T6 Ag	DSL	9.54E+00	1.20E-04	7.02E-04	1.06E-04	1.25E-03	2.22E-05	7.72E-05	7.10E-05	2.18E+00	4.91E-06	7.66E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 Public	DSL	9.31E+00	1.38E-04	8.31E-04	1.22E-04	1.40E-03	2.28E-05	6.66E-05	6.13E-05	2.23E+00	5.64E-06	7.85E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 CAIRP heavy	DSL	9.53E+00	1.22E-04	7.00E-04	1.07E-04	1.24E-03	2.23E-05	7.54E-05	6.93E-05	2.18E+00	4.97E-06	7.67E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 CAIRP small	DSL	9.53E+00	1.22E-04	7.00E-04	1.07E-04	1.24E-03	2.23E-05	7.54E-05	6.93E-05	2.18E+00	4.97E-06	7.67E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 OOS heavy	DSL	9.53E+00	1.22E-04	7.00E-04	1.07E-04	1.24E-03	2.23E-05	7.54E-05	6.93E-05	2.18E+00	4.97E-06	7.67E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 OOS small	DSL	9.53E+00	1.22E-04	7.00E-04	1.07E-04	1.24E-03	2.23E-05	7.54E-05	6.93E-05	2.18E+00	4.97E-06	7.67E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 instate construction heavy	DSL	9.53E+00	1.25E-04	6.86E-04	1.10E-04	1.24E-03	2.23E-05	7.15E-05	6.58E-05	2.18E+00	5.12E-06	7.67E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 instate construction small	DSL	9.53E+00	1.25E-04	6.86E-04	1.10E-04	1.24E-03	2.23E-05	7.15E-05	6.58E-05	2.18E+00	5.12E-06	7.67E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 instate heavy	DSL	9.52E+00	1.28E-04	6.78E-04	1.12E-04	1.24E-03	2.23E-05	6.91E-05	6.35E-05	2.18E+00	5.21E-06	7.68E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 instate small	DSL	9.52E+00	1.28E-04	6.78E-04	1.12E-04	1.24E-03	2.23E-05	6.91E-05	6.35E-05	2.18E+00	5.21E-06	7.68E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 utility	DSL	9.31E+00	1.38E-04	8.24E-04	1.21E-04	1.39E-03	2.28E-05	6.51E-05	5.99E-05	2.23E+00	5.64E-06	7.85E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6TS	GAS	1.41E+01	3.24E-04	4.94E-03	2.93E-04	8.00E-04	1.33E-05	4.15E-07	3.85E-07	1.24E+00	8.76E-05	3.33E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
T7 Ag	DSL	6.10E+00	3.19E-04	1.94E-03	2.80E-04	2.32E-03	3.48E-05	1.28E-04	1.18E-04	3.41E+00	1.30E-05	1.20E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 CAIRP	DSL	5.88E+00	4.90E-04	2.84E-03	4.31E-04	3.29E-03	3.61E-05	1.45E-04	1.33E-04	3.53E+00	2.00E-05	1.24E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 CAIRP construction	DSL	5.88E+00	5.03E-04	2.77E-03	4.41E-04	3.27E-03	3.60E-05	1.32E-04	1.22E-04	3.53E+00	2.05E-05	1.24E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 NNOOS	DSL	5.80E+00	5.49E-04	3.13E-03	4.82E-04	3.55E-03	3.65E-05	1.46E-04	1.34E-04	3.58E+00	2.24E-05	1.26E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 NOOS	DSL	5.80E+00	5.49E-04	3.13E-03	4.82E-04	3.55E-03	3.65E-05	1.46E-04	1.34E-04	3.58E+00	2.24E-05	1.26E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 Public	DSL	5.14E+00	1.13E-03	5.83E-03	9.91E-04	5.81E-03	4.12E-05	1.20E-04	1.10E-04	4.04E+00	4.60E-05	1.42E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 Single	DSL	6.06E+00	3.58E-04	2.00E-03	3.14E-04	2.38E-03	3.50E-05	1.14E-04	1.05E-04	3.43E+00	1.46E-05	1.21E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 single construction	DSL	6.06E+00	3.53E-04	2.03E-03	3.10E-04	2.38E-03	3.50E-05	1.18E-04	1.09E-04	3.43E+00	1.44E-05	1.21E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 SWCV	DSL	5.63E+00	6.85E-04	3.61E-03	6.02E-04	3.81E-03	3.76E-05	1.13E-04	1.04E-04	3.69E+00	2.80E-05	1.30E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 tractor	DSL	6.13E+00	3.12E-04	1.82E-03	2.74E-04	2.31E-03	3.46E-05	1.24E-04	1.14E-04	3.39E+00	1.27E-05	1.19E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 tractor construction	DSL	6.06E+00	3.67E-04	2.07E-03	3.23E-04	2.55E-03	3.50E-05	1.22E-04	1.13E-04	3.43E+00	1.50E-05	1.21E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 utility	DSL	5.14E+00	1.13E-03	5.82E-03	9.91E-04	5.79E-03	4.12E-05	1.18E-04	1.08E-04	4.04E+00	4.60E-05	1.42E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7IS	GAS	1.36E+01	5.10E-04	4.40E-02	3.58E-04	7.81E-03	1.38E-05	2.89E-07	2.68E-07	1.23E+00	2.08E-05	3.25E-04	1.76E-05	8.10E-05	4.41E-06	3.47E-05
UBUS	GAS	1.14E+01	1.37E-04	1.65E-03	1.03E-04	4.57E-04	1.65E-05	5.55E-07	5.15E-07	1.54E+00	2.50E-04	1.90E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
UBUS	DSL	4.69E+00	7.62E-05	2.19E-03	6.69E-05	1.29E-03	4.53E-05	8.09E-05	7.44E-05	4.43E+00	1.67E-04	1.56E-04	1.76E-05	1.86E-03	4.41E-06	7.95E-04
All Other Buses	DSL	9.53E+00	1.29E-04	6.97E-04	1.14E-04	1.30E-03	2.22E-05	7.40E-05	6.81E-05	2.18E+00	5.28E-06	7.67E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
All Other Buses	DSL	9.24E+00	6.02E-04	1.89E-03	5.29E-04	1.69E-02	2.30E-05	4.24E-04	3.90E-04	2.37E+00	2.46E-05	7.91E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04

[a] Calculated by dividing total emissions in Riverside County in 2014 by total VMT in Riverside County from EMFAC2011 web based access (http://www.arb.ca.gov/emfac/)

[b] Gasoline CH4 calculated by dividing total CH4 emissions in Riverside County by total VMT in Riverside County from EMFAC2011-LDV (http://www.arb.ca.gov/msei/emfac2011_ldv.htm)
Diesel CH4 calculated as 0.0408 x TOG; gasoline N2O calculated as 0.0416 x NOx; diesel N2O calculated as 0.3316 [g/gal] / fuel consumption [mi/gal] / 453.6 [g/lb]
(http://www.arb.ca.gov/msei/emfac2011-faq.htm#emfac2011_web_db_qstn07)

Table 3
EMFAC2011 Motor Vehicle Emission Factors, Riverside County, 2018 CY, All Model Years

Vehicle Class	Fuel	Fuel Use (mpg)[a]	TOG (lb/mi)[a]	CO (lb/mi)[a]	ROG (lb/mi)[a]	NOx (lb/mi)[a]	SO2 (lb/mi)[a]	PM10 Exh. (lb/mi)[a]	PM2.5 Exh. (lb/mi)[a]	CO2 (lb/mi)[a]	CH4 (lb/mi)[b]	N2O (lb/mi)[b]	PM10 Tire Wear (lb/mi)[a]	PM10 Brake Wear (lb/mi)[a]	PM2.5 Tire Wear (lb/mi)[a]	PM2.5 Brake Wear (lb/mi)[a]
LDA	GAS	2.44E+01	2.60E-04	2.36E-03	2.36E-04	2.03E-04	7.68E-06	4.26E-06	3.94E-06	5.68E-01	2.20E-05	8.45E-06	1.76E-05	8.10E-05	4.41E-06	3.47E-05
LDA	DSL	2.85E+01	5.11E-05	2.81E-04	4.49E-05	8.82E-04	7.45E-06	3.11E-05	2.86E-05	5.80E-01	2.08E-06	2.57E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
LDT1	GAS	2.11E+01	7.95E-04	5.79E-03	7.44E-04	5.41E-04	8.91E-06	7.90E-06	7.31E-06	6.79E-01	4.70E-05	2.25E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
LDT1	DSL	2.82E+01	9.77E-05	4.16E-04	8.58E-05	1.06E-03	7.52E-06	6.85E-05	6.30E-05	5.77E-01	3.99E-06	2.59E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
LDT2	GAS	1.80E+01	3.69E-04	3.25E-03	3.37E-04	3.51E-04	1.04E-05	4.34E-06	4.02E-06	8.30E-01	3.00E-05	1.46E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
LDT2	DSL	2.87E+01	5.65E-05	2.99E-04	4.96E-05	9.58E-04	7.39E-06	3.33E-05	3.06E-05	5.99E-01	2.31E-06	2.55E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
LHD1	GAS	1.39E+01	1.35E-03	7.06E-03	1.30E-03	2.29E-03	1.35E-05	2.55E-06	2.35E-06	1.26E+00	4.40E-05	9.54E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
LHD1	DSL	1.92E+01	2.46E-04	1.38E-03	2.16E-04	8.79E-03	1.10E-05	4.87E-05	4.48E-05	1.08E+00	1.00E-05	3.81E-05	2.65E-05	1.69E-04	6.61E-06	7.22E-05
LHD2	GAS	1.39E+01	1.06E-03	5.35E-03	1.01E-03	2.10E-03	1.35E-05	1.99E-06	1.84E-06	1.26E+00	3.57E-05	8.72E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
LHD2	DSL	1.92E+01	2.39E-04	1.35E-03	2.10E-04	8.69E-03	1.10E-05	4.83E-05	4.44E-05	1.08E+00	9.77E-06	3.81E-05	2.65E-05	1.97E-04	6.61E-06	8.43E-05
MCY	GAS	3.81E+01	9.40E-03	6.25E-02	8.77E-03	2.83E-03	4.93E-06	1.41E-06	1.17E-06	3.49E-01	4.56E-04	1.18E-04	1.76E-05	8.10E-05	4.41E-06	3.47E-05
MDV	GAS	1.40E+01	6.30E-04	5.27E-03	5.75E-04	6.38E-04	1.34E-05	5.05E-06	4.67E-06	1.10E+00	5.08E-05	2.65E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
MDV	DSL	2.85E+01	5.38E-05	2.67E-04	4.72E-05	7.45E-04	7.43E-06	3.65E-05	3.36E-05	6.33E-01	2.19E-06	2.56E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
MH	GAS	1.46E+01	2.40E-04	5.27E-03	2.01E-04	1.42E-03	1.28E-05	1.91E-06	1.76E-06	1.19E+00	3.61E-05	5.90E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
MH	DSL	9.38E+00	2.91E-04	1.12E-03	2.55E-04	1.30E-02	2.26E-05	3.89E-04	3.58E-04	2.22E+00	1.19E-05	7.80E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
Motor Coach	DSL	5.86E+00	5.36E-04	2.97E-03	4.71E-04	1.13E-02	3.62E-05	2.14E-04	1.97E-04	3.55E+00	2.19E-05	1.25E-04	2.65E-05	2.87E-04	6.61E-06	1.23E-04
OBUS	GAS	1.27E+01	2.66E-03	2.95E-02	2.50E-03	5.85E-03	1.48E-05	2.80E-06	2.51E-06	1.33E+00	1.11E-04	2.44E-04	1.76E-05	8.10E-05	4.41E-06	3.47E-05
PTO	DSL	4.69E+00	5.89E-04	1.73E-03	5.17E-04	1.81E-02	4.52E-05	1.29E-04	1.18E-04	4.43E+00	2.40E-05	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SBUS	GAS	1.10E+01	1.44E-03	1.56E-02	1.32E-03	2.08E-03	1.71E-05	4.64E-06	4.22E-06	1.57E+00	1.54E-04	8.63E-05	1.76E-05	8.10E-05	4.41E-06	3.47E-05
SBUS	DSL	7.20E+00	4.30E-04	1.43E-03	3.78E-04	2.35E-02	2.94E-05	1.44E-04	1.32E-04	2.88E+00	1.76E-05	1.01E-04	2.65E-05	1.64E-03	6.61E-06	7.04E-04
T6 Ag	DSL	9.32E+00	4.82E-04	1.91E-03	4.23E-04	8.80E-03	2.28E-05	3.73E-04	3.43E-04	2.23E+00	1.97E-05	7.85E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 Public	DSL	9.06E+00	1.37E-04	6.93E-04	1.20E-04	1.21E-02	2.34E-05	9.34E-05	8.60E-05	2.29E+00	5.58E-06	8.07E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 CAIRP heavy	DSL	9.43E+00	1.70E-04	9.09E-04	1.49E-04	5.68E-03	2.25E-05	1.20E-04	1.11E-04	2.20E+00	6.92E-06	7.76E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 CAIRP small	DSL	9.49E+00	2.00E-04	1.07E-03	1.75E-04	3.12E-03	2.23E-05	1.68E-04	1.54E-04	2.19E+00	8.15E-06	7.71E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 OOS heavy	DSL	9.43E+00	1.70E-04	9.09E-04	1.49E-04	5.68E-03	2.25E-05	1.20E-04	1.11E-04	2.20E+00	6.92E-06	7.76E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 OOS small	DSL	9.49E+00	2.00E-04	1.07E-03	1.75E-04	3.12E-03	2.23E-05	1.68E-04	1.54E-04	2.19E+00	8.15E-06	7.71E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 instate construction heavy	DSL	9.32E+00	1.91E-04	8.91E-04	1.68E-04	1.15E-02	2.28E-05	1.35E-04	1.24E-04	2.23E+00	7.79E-06	7.85E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 instate construction small	DSL	9.44E+00	2.99E-04	1.41E-03	2.62E-04	5.49E-03	2.25E-05	2.77E-04	2.55E-04	2.20E+00	1.22E-05	7.74E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 instate heavy	DSL	9.34E+00	1.88E-04	8.94E-04	1.66E-04	9.62E-03	2.27E-05	1.26E-04	1.16E-04	2.22E+00	7.69E-06	7.83E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 instate small	DSL	9.45E+00	2.71E-04	1.28E-03	2.38E-04	4.73E-03	2.24E-05	2.33E-04	2.14E-04	2.20E+00	1.11E-05	7.73E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6 utility	DSL	9.17E+00	1.42E-04	8.17E-04	1.24E-04	5.74E-03	2.31E-05	8.24E-05	7.58E-05	2.27E+00	5.78E-06	7.97E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04
T6TS	GAS	1.35E+01	1.87E-03	2.06E-02	1.76E-03	3.69E-03	1.39E-05	2.91E-06	2.59E-06	1.26E+00	8.76E-05	1.54E-04	1.76E-05	8.10E-05	4.41E-06	3.47E-05
T7 Ag	DSL	5.94E+00	8.36E-04	3.95E-03	7.35E-04	1.71E-02	3.57E-05	5.12E-04	4.71E-04	3.50E+00	3.41E-05	1.23E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 CAIRP	DSL	5.78E+00	6.93E-04	4.03E-03	6.08E-04	8.06E-03	3.67E-05	2.63E-04	2.42E-04	3.60E+00	2.83E-05	1.27E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 CAIRP construction	DSL	5.78E+00	7.10E-04	3.92E-03	6.24E-04	8.23E-03	3.67E-05	2.40E-04	2.21E-04	3.59E+00	2.90E-05	1.26E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 NNOOS	DSL	5.73E+00	6.78E-04	3.89E-03	5.96E-04	5.55E-03	3.70E-05	2.08E-04	1.91E-04	3.63E+00	2.77E-05	1.28E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 NOOS	DSL	5.69E+00	7.63E-04	4.37E-03	6.70E-04	8.42E-03	3.73E-05	2.64E-04	2.43E-04	3.65E+00	3.11E-05	1.29E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 POLA	DSL	5.77E+00	1.07E-03	6.13E-03	9.41E-04	1.60E-02	3.67E-05	3.37E-04	3.10E-04	3.60E+00	4.37E-05	1.27E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 Public	DSL	5.01E+00	6.39E-04	2.96E-03	5.62E-04	3.33E-02	4.23E-05	1.80E-04	1.65E-04	4.15E+00	2.61E-05	1.46E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 Single	DSL	5.95E+00	3.87E-04	2.02E-03	3.40E-04	1.53E-02	3.56E-05	1.69E-04	1.55E-04	3.49E+00	1.58E-05	1.23E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 single construction	DSL	5.95E+00	3.79E-04	1.99E-03	3.33E-04	1.63E-02	3.56E-05	1.76E-04	1.62E-04	3.49E+00	1.55E-05	1.23E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 SWCV	DSL	5.50E+00	5.29E-04	2.53E-03	4.65E-04	2.56E-02	3.86E-05	1.88E-04	1.73E-04	3.78E+00	2.16E-05	1.33E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 tractor	DSL	6.04E+00	4.81E-04	2.68E-03	4.22E-04	1.44E-02	3.51E-05	2.51E-04	2.31E-04	3.44E+00	1.96E-05	1.21E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 tractor construction	DSL	5.94E+00	5.34E-04	2.87E-03	4.69E-04	1.66E-02	3.57E-05	2.49E-04	2.29E-04	3.50E+00	2.50E-04	1.23E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7 utility	DSL	5.08E+00	8.58E-04	4.39E-03	7.54E-04	1.84E-02	4.18E-05	1.39E-04	1.28E-04	4.09E+00	1.67E-04	1.44E-04	7.94E-05	1.36E-04	1.98E-05	5.83E-05
T7IS	GAS	1.30E+01	1.87E-03	8.24E-02	1.61E-03	1.27E-02	1.44E-05	1.13E-06	9.87E-07	1.22E+00	7.63E-05	5.27E-04	1.76E-05	8.10E-05	4.41E-06	3.47E-05
UBUS	GAS	1.09E+01	3.73E-03	3.81E-02	3.48E-03	8.07E-03	1.72E-05	5.95E-06	5.16E-06	1.54E+00	1.52E-04	3.36E-04	1.76E-05	8.10E-05	4.41E-06	3.47E-05
UBUS	DSL	4.05E+00	1.25E-03	5.62E-03	1.10E-03	2.72E-02	5.24E-05	4.63E-04	4.26E-04	5.13E+00	5.10E-05	1.81E-04	1.76E-05	1.86E-03	4.41E-06	7.95E-04
All Other Buses	DSL	9.36E+00	2.07E-04	9.84E-04	1.81E-04	9.87E-03	2.27E-05	1.39E-04	1.28E-04	2.22E+00	8.43E-06	7.81E-05	2.65E-05	2.87E-04	6.61E-06	1.23E-04

[a] Calculated by dividing total emissions in Riverside County in 2014 by total VMT in Riverside County from EMFAC2011 web based access (http://www.arb.ca.gov/emfac/)

[b] Gasoline CH4 calculated by dividing total CH4 emissions in Riverside County by total VMT in Riverside County from EMFAC2011-LDV (http://www.arb.ca.gov/msei/emfac2011_ldv.htm)
Diesel CH4 calculated as 0.0408 x TOG; gasoline N2O calculated as 0.0416 x NOx; diesel N2O calculated as 0.3316 [g/gal] / fuel consumption [mi/gal] / 453.6 [g/lb]
(http://www.arb.ca.gov/msei/emfac2011-faq.htm#emfac2011_web_db_qstn07)

Table 4
Motor Vehicle Exhaust Emission Factors

Vehicle	Fuel	GVWR (lb)	EMFAC2011 Category	Emissions Factors (lb/mi)								
				CO	ROG	NOx	SO2	PM10	PM2.5	CO2	CH4	N2O
On-Site[a]												
F-150 Pickup Trucks	DSL	21,000	T6 instate small	6.78E-04	1.12E-04	1.24E-03	2.23E-05	6.91E-05	6.35E-05	2.18E+00	5.21E-06	7.68E-05
Utility/Service Vehicles	DSL	21,000	T6 instate small	6.78E-04	1.12E-04	1.24E-03	2.23E-05	6.91E-05	6.35E-05	2.18E+00	5.21E-06	7.68E-05
2200 gal Water Truck	DSL	31,000	T6 instate heavy	6.78E-04	1.12E-04	1.24E-03	2.23E-05	6.91E-05	6.35E-05	2.18E+00	5.21E-06	7.68E-05
Off-Site[b]												
Off-Site Worker Commute Car	GAS	N/A	LDT1	5.79E-03	7.44E-04	5.41E-04	8.91E-06	7.90E-06	7.31E-06	6.79E-01	4.70E-05	2.25E-05
Off-Site Carpenter Service Vehicle	DSL	21,000	T6 instate small	1.28E-03	2.38E-04	4.73E-03	2.24E-05	2.33E-04	2.14E-04	2.20E+00	1.11E-05	7.73E-05
Off-Site Electricial Service Vehicle	DSL	21,000	T6 instate small	1.28E-03	2.38E-04	4.73E-03	2.24E-05	2.33E-04	2.14E-04	2.20E+00	1.11E-05	7.73E-05
Off-Site Equipment/Material Delivery Truck	DSL	80,000	T7 tractor	2.68E-03	4.22E-04	1.44E-02	3.51E-05	2.51E-04	2.31E-04	3.44E+00	1.96E-05	1.21E-04

[a] Emission factors for on-site vehicles are for 2018 model-year vehicles in Riverside County in 2018

[a] Emission factors for off-site vehicles are Riverside County fleet average in 2018

Table 5
Emission Factors for Fugitive Particulate Matter Emissions from On-Site Motor Vehicles on Unpaved Surfaces

					PM10						PM2.5					
Vehicle Type	Weight (tons)	Silt Content (%)[a]	Fuel	EMFAC2011 Category	Uncontrolled Entrained Road Dust (lb/mi)[b]	Control Efficiency (%)[c]	Controlled Entrained Road Dust (lb/mi)	Tire Wear (lb/mi)	Brake Wear (lb/mi)	Total Fugitive (lb/mi)	Uncontrolled Entrained Road Dust (lb/mi)[d]	Control Efficiency (%)[c]	Controlled Entrained Road Dust (lb/mi)	Tire Wear (lb/mi)	Brake Wear (lb/mi)	Total Fugitive (lb/mi)
F-150 Pickup Trucks	10.5	18.03	DSL	T6 instate small	3.80E+00	80%	7.60E-01	2.65E-05	2.87E-04	7.61E-01	3.80E-01	80%	7.60E-02	6.61E-06	1.23E-04	7.62E-02
Utility/Service Vehicles	10.5	18.03	DSL	T6 instate small	3.80E+00	80%	7.60E-01	2.65E-05	2.87E-04	7.61E-01	3.80E-01	80%	7.60E-02	6.61E-06	1.23E-04	7.62E-02
2200 gal Water Truck	15.5	18.03	DSL	T6 instate heavy	4.53E+00	80%	9.06E-01	2.65E-05	2.87E-04	9.06E-01	4.53E-01	80%	9.06E-02	6.61E-06	1.23E-04	9.07E-02

[a] From Blythe AFC Geotechnical Report (Appendix B)

[b] Emission factor [lb/mi] = 1.5 x (silt content [%] / 12)$^{0.9}$ x (weight [tons] / 3)$^{0.45}$
from AP-42 Section 13.2.2, Unpaved Roads, 11/06

[c] Assumes soils stabilizers contribute a control efficiency of 80%
watering twice per day (55% from SCAQMD CEQA mitigation measures, Table XI-D) downloaded from http://www.aqmd.gov/ceqa/handbook/mitigation/fugitive/MM_fugitive.html

[d] Emission factor [lb/mi] = 0.15 x (silt content [%] / 12)$^{0.9}$ x (weight [tons] / 3)$^{0.45}$
from AP-42 Section 13.2.2, Unpaved Roads, 11/06

Table 6
Emission Factors for Fugitive Particulate Matter Emissions from Off-Site Motor Vehicles on Paved Roads

Vehicle Type	Weight (tons)[a]	Road Type	Silt Loading (g/m^2)[a]	Fuel	EMFAC2011 Category	PM10				PM2.5			
						Entrained Road Dust (lb/mi)[b]	Tire Wear (lb/mi)	Brake Wear (lb/mi)	Total Fugitive (lb/mi)	Entrained Road Dust (lb/mi)[c]	Tire Wear (lb/mi)	Brake Wear (lb/mi)	Total Fugitive (lb/mi)
Off-Site Worker Commute Car	3	Collector	0.035	GAS	LDT1	2.90E-04	1.76E-05	8.10E-05	3.89E-04	7.84E-05	4.41E-06	3.47E-05	1.18E-04
Off-Site Carpenter Service Vehicle	3	Collector	0.035	DSL	T6 instate small	2.90E-04	2.65E-05	2.87E-04	6.04E-04	7.84E-05	6.61E-06	1.23E-04	2.08E-04
Off-Site Electricial Service Vehicle	3	Collector	0.035	DSL	T6 instate small	2.90E-04	2.65E-05	2.87E-04	6.04E-04	7.84E-05	6.61E-06	1.23E-04	2.08E-04
Off-Site Equipment/Material Delivery Truck	3	Collector	0.035	DSL	T7 tractor	2.90E-04	7.94E-05	1.36E-04	5.06E-04	7.84E-05	1.98E-05	5.83E-05	1.57E-04

[a] From ARB Emission Inventory Methodology 7.9, Entrained Paved Road Dust (1997)

[b] Emission factor [lb/mi] = 0.0022 x (silt loading $[g/m^2]^{0.91}$ x (weight [tons])$^{1.02}$
from AP-42 Section 13.2.1, Paved Roads, 01/11

[c] Emission factor [lb/mi] = 0.00054 x (silt loading $[g/m^2]^{0.91}$ x (weight [tons])$^{1.02}$
from AP-42 Section 13.2.1, Paved Roads, 01/11

Table 7-a
Off-Road Equipment Use and Emission Factors

Equipment	Hr/Day	Number	Days/ Year	Emission Factors (lb/hr)								
				CO	ROG	NOx	SOx	PM10	PM2.5	CO2	CH4	N2O
Portable Generator Lights	2	2	104	1.82E-01	1.26E-02	2.57E-01	3.96E-04	8.11E-03	7.46E-03	3.06E+01	1.14E-03	7.98E-04

Table 7-b
Daily Off-Road Equipment Emissions

Equipment	Emissions (lb/day)								
	CO	ROG	NOx	SOx	PM10	PM2.5	CO2	CH4	N2O
Portable Generator Lights	0.7	0.1	1.0	0.0	0.0	0.0	122.4	0.0	0.0
Total	**0.7**	**0.1**	**1.0**	**0.0**	**0.0**	**0.0**	**122.4**	**0.0**	**0.0**

Table 7-c
Annual Off-Road Equipment Emissions

Equipment	Emissions (lb/year)								
	CO	ROG	NOx	SOx	PM10	PM2.5	CO2	CH4	N2O
Portable Generator Lights	75.5	5.2	106.9	0.2	3.4	3.1	12,727.4	0.5	0.3
Total	**75.5**	**5.2**	**106.9**	**0.2**	**3.4**	**3.1**	**12,727.4**	**0.5**	**0.3**

Table 8-a
On-Site Motor Vehicle Use and Exhaust Emission Factors

Vehicle	Mi/Day	Number	Days/ Year	Emission Factors (lb/mi)								
				CO	ROG	NOx	SOx	PM10	PM2.5	CO2	CH4	N2O
F-150 Pickup Trucks	10	2	365	6.78E-04	1.12E-04	1.24E-03	2.23E-05	6.91E-05	6.35E-05	2.18E+00	5.21E-06	7.68E-05
Utility/Service Vehicles	10	2	365	6.78E-04	1.12E-04	1.24E-03	2.23E-05	6.91E-05	6.35E-05	2.18E+00	5.21E-06	7.68E-05
2200 gal Water Truck	10	2	122	6.78E-04	1.12E-04	1.24E-03	2.23E-05	6.91E-05	6.35E-05	2.18E+00	5.21E-06	7.68E-05

Table 8-b
Daily On-Site Motor Vehicle Exhaust Emissions

Vehicle	Emissions (lb/day)								
	CO	ROG	NOx	SOx	PM10	PM2.5	CO2	CH4	N2O
F-150 Pickup Trucks	0.01	0.00	0.02	0.00	0.00	0.00	43.65	0.00	0.00
Utility/Service Vehicles	0.01	0.00	0.02	0.00	0.00	0.00	43.65	0.00	0.00
2200 gal Water Truck	0.01	0.00	0.02	0.00	0.00	0.00	43.65	0.00	0.00
Total	**0.04**	**0.01**	**0.07**	**0.00**	**0.00**	**0.00**	**130.94**	**0.00**	**0.00**

Table 8-c
Annual On-Site Motor Vehicle Exhaust Emissions

Vehicle	Emissions (lb/year)								
	CO	ROG	NOx	SOx	PM10	PM2.5	CO2	CH4	N2O
F-150 Pickup Trucks	5.0	0.8	9.0	0.2	0.5	0.5	15,930.5	0.0	0.6
Utility/Service Vehicles	5.0	0.8	9.0	0.2	0.5	0.5	15,930.5	0.0	0.6
2200 gal Water Truck	1.7	0.3	3.0	0.1	0.2	0.2	5,324.7	0.0	0.2
Total	**11.6**	**1.9**	**21.1**	**0.4**	**1.2**	**1.1**	**37,185.7**	**0.1**	**1.3**

Table 9-a
On-Site Motor Vehicle Use and Fugitive PM Emission Factors

Vehicle	Mi/Day	Number	Days/ Year	Emission Factors (lb/mi)	
				PM10	PM2.5
F-150 Pickup Trucks	10	2	365	7.61E-01	7.62E-02
Utility/Service Vehicles	10	2	365	7.61E-01	7.62E-02
2200 gal Water Truck	10	2	122	9.06E-01	9.07E-02

Table 9-b
Daily On-Site Motor Vehicle Fugitive PM Emissions

Vehicle	Emissions (lb/day)	
	PM10	PM2.5
F-150 Pickup Trucks	15.22	1.52
Utility/Service Vehicles	15.22	1.52
2200 gal Water Truck	18.13	1.81
Total	**48.56**	**4.86**

Table 9-c
Annual On-Site Motor Vehicle Fugitive PM Emissions

Vehicle	Emissions (lb/year)	
	PM10	PM2.5
F-150 Pickup Trucks	5,553.8	556.1
Utility/Service Vehicles	5,553.8	556.1
2200 gal Water Truck	2,211.8	221.4
Total	**13,319.3**	**1,333.6**

Table 10-a
On-Site Daily Criteria Pollutant Emissions Summary

Source	Emissions (lb/day)					
	CO	ROG	NOx	SOx	PM10	PM2.5
Off-Road Equipment	0.73	0.05	1.03	0.00	0.03	0.03
On-Site Motor Vehicle Exhaust	0.04	0.01	0.07	0.00	0.00	0.00
On-Site Motor Vehicle Fugitive PM	--	--	--	--	48.56	4.86
Total	**0.77**	**0.06**	**1.10**	**0.00**	**48.60**	**4.90**

Table 10-b
On-Site Annual Criteria Pollutant Emissions Summary

Source	Emissions (ton/year)					
	CO	ROG	NOx	SOx	PM10	PM2.5
Off-Road Equipment	0.04	0.00	0.05	0.00	0.00	0.00
On-Site Motor Vehicle Exhaust	0.01	0.00	0.01	0.00	0.00	0.00
On-Site Motor Vehicle Fugitive PM	--	--	--	--	6.66	0.67
Total	**0.04**	**0.00**	**0.06**	**0.00**	**6.66**	**0.67**

Table 11-a
Off-Site Motor Vehicle Use and Exhaust Emission Factors

Vehicle	Mi/Day	Number	Days/ Year[a]	Emission Factors (lb/mi)								
				CO	ROG	NOx	SOx	PM10	PM2.5	CO2	CH4	N2O
Off-Site Worker Commute Car	40	29	256	5.79E-03	7.44E-04	5.41E-04	8.91E-06	7.90E-06	7.31E-06	6.79E-01	4.70E-05	2.25E-05
Off-Site Carpenter Service Vehicle	40	1	104	1.28E-03	2.38E-04	4.73E-03	2.24E-05	2.33E-04	2.14E-04	2.20E+00	1.11E-05	7.73E-05
Off-Site Electricial Service Vehicle	40	1	104	1.28E-03	2.38E-04	4.73E-03	2.24E-05	2.33E-04	2.14E-04	2.20E+00	1.11E-05	7.73E-05
Off-Site Equipment/Material Delivery Truck	40	2	12	2.68E-03	4.22E-04	1.44E-02	3.51E-05	2.51E-04	2.31E-04	3.44E+00	1.96E-05	1.21E-04

[a] Average number of worker commute cars is 20 per year, which is equivalent to the peak of 29 per day for 256 days per year

Table 11-b
Daily Off-Site Motor Vehicle Exhaust Emissions

Vehicle	Emissions (lb/day)								
	CO	ROG	NOx	SOx	PM10	PM2.5	CO2	CH4	N2O
Off-Site Worker Commute Car	6.72	0.86	0.63	0.01	0.01	0.01	787.47	0.05	0.03
Off-Site Carpenter Service Vehicle	0.05	0.01	0.19	0.00	0.01	0.01	87.93	0.00	0.00
Off-Site Electricial Service Vehicle	0.05	0.01	0.19	0.00	0.01	0.01	87.93	0.00	0.00
Off-Site Equipment/Material Delivery Truck	0.21	0.03	1.16	0.00	0.02	0.02	275.22	0.00	0.01
Total	**7.04**	**0.92**	**2.16**	**0.01**	**0.05**	**0.04**	**1,238.54**	**0.06**	**0.04**

Table 11-b
Annual Off-Site Motor Vehicle Exhaust Emissions

Vehicle	Emissions (lb/year)								
	CO	ROG	NOx	SOx	PM10	PM2.5	CO2	CH4	N2O
Off-Site Worker Commute Car	1,720.3	221.0	160.6	2.6	2.3	2.2	201,592.0	14.0	6.7
Off-Site Carpenter Service Vehicle	5.3	1.0	19.7	0.1	1.0	0.9	9,144.5	0.0	0.3
Off-Site Electricial Service Vehicle	5.3	1.0	19.7	0.1	1.0	0.9	9,144.5	0.0	0.3
Off-Site Equipment/Material Delivery Truck	2.6	0.4	13.9	0.0	0.2	0.2	3,302.6	0.0	0.1
Total	**1,733.6**	**223.4**	**213.8**	**2.9**	**4.5**	**4.2**	**223,183.5**	**14.1**	**7.4**

Table 12-a
Off-Site Motor Vehicle Use and Fugitive PM Emission Factors

Vehicle	Mi/Day	Number	Days/ Year[a]	Emission Factors (lb/mi)	
				PM10	PM2.5
Off-Site Worker Commute Car	40	29	256	3.89E-04	1.18E-04
Off-Site Carpenter Service Vehicle	40	1	104	6.04E-04	2.08E-04
Off-Site Electricial Service Vehicle	40	1	104	6.04E-04	2.08E-04
Off-Site Equipment/Material Delivery Truck	40	2	12	5.06E-04	1.57E-04

[a] Average number of worker commute cars is 20 per year, which is equivalent to the peak of 29 per day for 256 days per year

Table 12-b
Daily Off-Site Motor Vehicle Fugitive PM Emissions

Vehicle	Emissions (lb/day)	
	PM10	PM2.5
Off-Site Worker Commute Car	0.45	0.14
Off-Site Carpenter Service Vehicle	0.02	0.01
Off-Site Electricial Service Vehicle	0.02	0.01
Off-Site Equipment/Material Delivery Truck	0.04	0.01
Total	**0.54**	**0.17**

Table 12-c
Annual Off-Site Motor Vehicle Fugitive PM Emissions

Vehicle	Emissions (lb/year)	
	PM10	PM2.5
Off-Site Worker Commute Car	115.5	34.9
Off-Site Carpenter Service Vehicle	2.5	0.9
Off-Site Electricial Service Vehicle	2.5	0.9
Off-Site Equipment/Material Delivery Truck	0.5	0.2
Total	**121.0**	**36.8**

Table 13-a
Off-Site Daily Criteria Pollutant Emissions Summary

Source	Emissions (lb/day)					
	CO	ROG	NOx	SOx	PM10	PM2.5
Off-Site Motor Vehicle Exhaust	7.04	0.92	2.16	0.01	0.05	0.04
Off-Site Motor Vehicle Fugitive PM	--	--	--	--	0.54	0.17
Total	**7.04**	**0.92**	**2.16**	**0.01**	**0.59**	**0.21**

Table 13-b
Off-Site Annual Criteria Pollutant Emissions Summary

Source	Emissions (ton/year)					
	CO	ROG	NOx	SOx	PM10	PM2.5
Off-Site Motor Vehicle Exhaust	0.87	0.11	0.11	0.00	0.00	0.00
Off-Site Motor Vehicle Fugitive PM	--	--	--	--	0.06	0.02
Total	**0.87**	**0.11**	**0.11**	**0.00**	**0.06**	**0.02**

Table 14
Operations Greenhouse Gas Emissions Summary

Source	Annual Emissions (ton/year)			CO2e
	CO2	CH4	N2O	(MT/yr)[a]
Off-Road Equipment	6.4	0.0	0.0	5.8
On-Site Motor Vehicles	18.6	0.0	0.0	17.1
Off-Site Worker Commute Vehicles	100.8	0.0	0.0	92.5
Other Off-Site Vehicles	10.8	0.0	0.0	9.9
TOTAL	**136.5**	**0.0**	**0.0**	**125.3**

[a] CO2e [MT/yr] = (CO2 [ton/yr] + 21 x CH4 [ton/yr] + 310 x N2O [ton/yr]) x 2000 [lb/ton] x 453.6 [g/lb] / 1,000,000 [g/MT]

Screening Health Risk Assessment Results

Cancer Risk for Resident Child up to 2 Years Old
ONSITE Emissions ONLY

Parameter	Value	Units	
Daily Breathing Rate (DBR)	581	[L/kg-day]	
Exposure Frequency (EF)	312	[days/year]	(6 days/wk, 52 wks/yr)
Exposure Duration (ED)	2	[years]	
Conversion Factor (CF)	0.001	[m3/L]	
Averaging Time (AT)	25550	[days]	
Age Sensitivity Factor (ASF)	10	[unitless]	

PM Emissions from Diesel Equipment

Construction Length	4	Years
Previous Analysis (average tons/year * 6.25 years) of PM10	21.5	[tons]
Updated Analysis (average tons/year * 4 years) of DPM	1.81	[tons]
Fraction of Emissions (Updated/Previous)	0.084	
Previous Analysis (Model Impact at MIR)	0.036	[ug/m³]
Previous Analysis (Model Impact at Residential Receptor)	0.001	[ug/m³]
Scaled Impact at MIR Based on Updated Emissions	3.03E-03	[ug/m³]
Scaled Impact at Residential Receptor Based on Updated Emissions	5.89E-05	[ug/m³]

MIR	**DPM**
Ci at MIR = Annual Average Air Concentration for Chemical (µg/m3)	3.03E-03
Ci at Resident = Ann Average Air Concentration for Chemical (µg/m3)	5.89E-05
CF = Conversion Factor (mg/µg)	0.001
CPF = Cancer Potency Factor (mg chemical/kg body weight-day)-1	1.1
IFinh = (DBR * EF * ED * CF)/AT	0.014
Risk(inh) at MIR = Ci x CF x IFinh x CPF x ASF	4.73E-07
Risk(inh) at Resident = Ci x CF x IFinh x CPF x ASF	9.20E-09

Sum of Cancer Risk at MIR Over 4 year Period	0.61
Threshold	10.00
Above Threshold?	**NO**

Sum of Cancer Risk at Resident Over 4 year Period	0.0120
Threshold	10.00
Above Threshold?	**NO**

Ref: OEHHA, Air Toxics Hot Spots Program Risk Assessment Guidelines, June 2012.
Ref: CARB/OEHHA Consolidated Risk Value Table, May 2012.

Cancer Risk for Resident Child 2 to 15 Years Old
ONSITE Emissions ONLY

Parameter	Value	Units	
Daily Breathing Rate (DBR)	581	[L/kg-day]	
Exposure Frequency (EF)	312	[days/year]	(6 days/week, 52 weeks/year)
Exposure Duration (ED)	2	[years]	
Conversion Factor (CF)	0.001	[m3/L]	
Averaging Time (AT)	25550	[days]	
Age Sensitivity Factor (ASF)	3	[unitless]	

PM Emissions from Diesel Equipment

Construction Length	4	Years
Previous Analysis (average tons/year * 6.25 years) of PM10	21.5	[tons]
Updated Analysis (average tons/year * 4 years) of DPM	1.81	[tons]
Fraction of Emissions (Updated/Previous)	0.084	
Previous Analysis (Model Impact at MIR)	0.036	[ug/m³]
Previous Analysis (Model Impact at Residential Receptor)	0.001	[ug/m³]
Scaled Impact at MIR Based on Updated Emissions	3.03E-03	[ug/m³]
Scaled Impact at Residential Receptor Based on Updated Emissions	5.89E-05	[ug/m³]

MIR	**DPM**
Ci at MIR = Annual Average Air Concentration for Chemical (µg/m3)	3.03E-03
Ci at Resident = Ann Average Air Concentration for Chemical (µg/m3)	5.89E-05
CF = Conversion Factor (mg/µg)	0.001
CPF = Cancer Potency Factor (mg chemical/kg body weight-day)-1	1.1
IFinh = (DBR * EF * ED * CF)/AT	0.014
Risk(inh) at MIR = Ci x CF x IFinh x CPF x ASF	1.42E-07
Risk(inh) at Resident = Ci x CF x IFinh x CPF x ASF	2.76E-09

Total Chronic HI

ONSITE ONLY

PM Emissions from Diesel Equipment	MIR	Resident
Ci = Annual Average Air Concentration for Chemical (µg/m3)	0.003	0.000
REL	5	5
HQi = Ci / RELi	6.06E-04	1.18E-05
Threshold	1	1
Above Threshold?	**NO**	**NO**

Construction Schedule and Equipment Use Information

Activity	Month 1 Jun-14	Month 2 Jul-14	Month 3 Aug-14	Month 4 Sep-14	Month 5 Oct-14	Month 6 Nov-14	Month 7 Dec-14	Month 8 Jan-15
Mobilization	X	X	X		X	X	X	
Construct well field and water supply pipelines	X	X	X					
Delineate and mark the boundaries of the construction zone	X				X			
Install Perimeter Fencing/Gates	X				X			
Stabilize construction entrance/exit and roadway; install tire wash		X	X					
Establish parking and staging areas		X						
Establish laydown area for materials storage/staging			X					
Establish concrete washout area			X					
Install BMPs	X					X		
Clear and grub; strip topsoil	X	X	X		X	X	X	
Grading - Cut/Fill, Construct Trenches				X	X	X	X	X
Access Road Construction					X	X	X	
Interior Road Construction								
Construct reinforced concrete foundations								
Assemble and erect PV panels								
Field electrical - DC Cables/Tie-ins								
Construct O&M Buildings/Substation								
Construct Water Storage Tank								
Finish Parking Area/Roadways								
Commissioning and testing								

4,139 total disturbed acres
485 MW Total Project, Four Phases (3X125MW and 1X110MW)
48 Month Construction Schedule
9 month schedule for grading per unit
508,374 cy cut across site
390,973 cy fill across site
Cut/Fill averages across entire PV field site - balanced site

Start Construction June 2014
Increased grading during months 4-12 for excavation/trer
Grading: peak = 26,100 cy cut/fill; Typical month = 21,900
Access Roads, Power Block/O&M Grading & Building Cons
Assume 8 Months total for PV unit construction per Unit
Production Rates are based on 8-12 hour working day/5 d
48-month continuous construction sequencing

REV: D
3/27/2013
By: M Santangelo

Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23
Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16
X	X	X		X	X	X								
X				X										
X				X										
								X						
X	X	X		X	X	X								
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
					X	X							X	X
				X	X	X	X	X	X	X	X		X	X
					X	X	X	X	X	X	X	X	X	X
					X	X	X	X	X	X	X	X	X	X
										X	X	X	X	
										X	X			
										X	X			
											X	X	X	

ıching/finish grading/building construction/common area construction
cy cut/fill
ɜtruction in Phase 1

lay week schedule

Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37	Month 38
May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17
					X									
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
						X	X							
X	X	X	X	X	X		X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
					X	X	X							X

Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	Month 48
Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18
		X							
X	X	X	X						
	X	X	X	X	X	X	X	X	
	X	X	X	X	X	X	X	X	
	X	X	X	X	X	X	X	X	
								X	X
X	X						X	X	X

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8
	Jun-14	**Jul-14**	**Aug-14**	**Sep-14**	**Oct-14**	**Nov-14**	**Dec-14**	**Jan-15**
Total personnel - average per day	43	43	43	65	108	108	108	65

Average Peak Vehicle Trips	9326	per month	424	per day based on 22 days per month
Average Vehicle Trips	5156	per month	234	per day based on 22 days per month
Peak Round Trip Truck Trips	13323	per month	606	per day based on 22 days per month
Average Workforce Onsite	335	Per day		Overall average

Notes :
Schedule based on 22 working day month
30% Carpooling rate

Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20
Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16
108	108	108	65	402	467	467	424	424	424	606	480

Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32
Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17
247	606	359	424	424	424	424	424	550	191	550	424

Month 33	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44
Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18
359	424	424	424	424	550	191	550	424	424	359	359

Month 45	Month 46	Month 47	Month 48
Feb-18	Mar-18	Apr-18	May-18
359	485	485	126

Mobilization Construction Phase	
Mobilization	
Site Preparation	
Clear & Grub	
Water Supply Construction	
Survey & Project Delineation	
Construct Parking & Staging Areas	
Set-up Temp Office & Utility Services	
Construct Concrete Wash-Out	
Post/Fencing/Gate Installation	
Soil Stabilization	

				Site Preparation, Clear & Grub, Water Supply, Boundaries, Staging Area, BMPs, Fencing											
				Phase I			Phase II			Phase III			Phase IV		
Equipment Type	HP	Fuel	Hours/Day per Piece of Equipment	Number of equipment operated each day of the month											
				Month 1	Month 2	Month 3	Month 5	Month 6	Month 7	Month 9	Month 10	Month 11	Month 13	Month 14	Month 15
				Jun-14	Jul-14	Aug-14	Oct-14	Nov-14	Dec-14	Feb-15	Mar-15	Apr-15	Jun-15	Jul-15	Aug-15
Generator	30	Diesel	6	1	1	1	1	1	1	1	1	1	1	1	1
Skip Loader	78	Diesel	4	1	1	1	1	1	1	1	1	1	1	1	1
Track Trencher	115	Diesel	8	1	1	1	1	1	1	1	1	1	1	1	1

					Site Preparation, Clear & Grub, Water Supply, Boundaries, Staging Area, BMPs, Fencing											
					Phase I			Phase II			Phase III			Phase IV		
On-site Vehicle Type	HP	Type	Miles/Day/ vehicle	Miles/ Hour/ vehicle	Number of vehicles operated each day of the month											
					Month 1	Month 2	Month 3	Month 5	Month 6	Month 7	Month 9	Month 10	Month 11	Month 13	Month 14	Month 15
					Jun-14	Jul-14	Aug-14	Oct-14	Nov-14	Dec-14	Feb-15	Mar-15	Apr-15	Jun-15	Jul-15	Aug-15
On-Site Pick Up Truck	185	Diesel	20	8	3	3	3	3	3	3	3	3	3	3	3	3
5000 gal Water Truck	240	Diesel	10	8	5	5	5	0	0	0	0	0	0	0	1	1
On-Site ServiceTruck	210	Diesel	20	4	1	1	1	1	1	1	1	1	1	1	1	1
On-Site Flatbed Delivery Truck	280	HHD	20	10	2	2	2	2	2	2	2	2	2	2	2	2
On-Site Lube/Fuel Truck	210	HHD	10	10	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
On-Site Dump Truck	280	HHD	20	10	1	1	0	1	1	0	1	1	0	1	1	0

					Site Preparation, Clear & Grub, Water Supply, Boundaries, Staging Area, BMPs, Fencing											
					Phase I			Phase II			Phase III			Phase IV		
Off-site Vehicle Type	HP	Type	Miles/Day	Miles/ Hour	Number of vehicles operated each day of the month											
					Month 1	Month 2	Month 3	Month 5	Month 6	Month 7	Month 9	Month 10	Month 11	Month 13	Month 14	Month 15
					Jun-14	Jul-14	Aug-14	Oct-14	Nov-14	Dec-14	Feb-15	Mar-15	Apr-15	Jun-15	Jul-15	Aug-15
Off-Site Worker Commuter Bus, Small	220	HHD	50	55	1	1	1	1	1	1	1	1	1	1	1	1
Off-Site Worker Commute Car	140	HHD	50	55	43	43	43	43	43	43	43	43	43	43	43	43
Off-Site Water Delivery Truck	435	HHD	50	55	5	5	5	0	0	0	0	0	0	0	0	0
Off-Site Concrete Truck	300	HHD	50	55	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Off-Site Equipment/Material Delivery Truck	235	HHD	50	55	2	2	2	2	2	2	2	2	2	2	2	2

Earthwork		Phase I			Phase II			Phase III			Phase IV		
Activity	Units	Quantity per Month											
		Month 1	Month 2	Month 3	Month 5	Month 6	Month 7	Month 9	Month 10	Month 11	Month 13	Month 14	Month 15
		Jun-14	Jul-14	Aug-14	Oct-14	Nov-14	Dec-14	Feb-15	Mar-15	Apr-15	Jun-15	Jul-15	Aug-15
Quantity of Soil Cut	eryday of the month	0	0	5	5	5	5	5	5	5	5	5	5
Quantity of Soil Fill	eryday of the month	0	0	5	5	5	5	5	5	5	5	5	5
Storage Pile Exposed Area	eryday of the month	5	5	5	5	5	5	5	5	5	5	5	5
Quantity of Acres Paved	ryday of the month	0	0	0	0.2	0.2	0.2	0	0	0	0	0	0
Quantity of area disturbed	disturbe d per	2	2	2	2	2	2	2	2	2	2	2	2

Civil Improvements Construction Phase
Initial Access Road Improvement
Excavation
Grading - Construct Trenches
Grading - Cut & Fill
Improve Access Road
Construct Perimeter and Interior Roads
Soil Stabilization

Equipment Type	HP	Fuel	Hours/Day per Piece of Equipment	Phase I									Phase II						
				Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20
				Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16
Dozer Cat D6R	185	Diesel	8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Generator	30	Diesel	6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Scraper Cat 623	365	Diesel	8	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Deere 210LE Skip Loader	78	Diesel	6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Cat 140H Grader	185	Diesel	8	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Roller Vibrator/compactor/other	350	Diesel	6	0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Cat BG600D Paver	173	Diesel	6	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1

On-site Vehicle Type	HP	Type	Miles/Day/ Vehicle	Miles/ Hour/ Vehicle	Phase I									Phase II					
					Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19
					Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
5000 gal Water Truck	240	Diesel	10	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
On-Site Heavy Duty Pick Up Truck	235	HHD	20	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
On-Site Flatbed Delivery Truck	280	HHD	20	10	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
On-Site ServiceTruck	210	HHD	10	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
On-Site Lube/Fuel Truck	210	HHD	10	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
On-Site Dump Truck	280	HHD	20	10	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75

Off-site Vehicle Type	HP	Type	Miles/Day	Miles/ Hour	Phase I									Phase II					
					Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19
					Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
Off-Site Worker Commute Car	140	HHD	50	55	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
Off-Site Water Delivery Truck	435	HHD	50	55	7	7	7	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Equipment/Material Delivery Truck	235	HHD	50	55	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

Earthwork		Phase I									Phase II							
Activity	Units																	
		Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21
		Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16
Quantity of Soil Cut	Cu. Yd. every day of the month	582	582	582	582	582	582	582	582	582	582	582	582	582	582	582	582	582
Quantity of Soil Fill	Cu. Yd. every day of the month	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445
Storage Pile Exposed Area	Cu. Yd. every day of the month	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
Quantity of Acres Paved	Acres every day of the month	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0
Quantity of acres disturbed	Acres disturbed per day/graded	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Roads, Excavation, Grading, Interior & Perimeter Roads

	Phase III										Phase IV								
ıer of equipment operated each day of the month																			
Month 21	Month 22	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42
Feb-16	Mar-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17
0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0

tial Access Roads, Excavation, Grading, Interior & Perimeter Roads

	Phase III										Phase IV								
Number of equipment operated each day of the month																			
Month 20	Month 21	Month 22	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42
Jan-16	Feb-16	Mar-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75

tial Access Roads, Excavation, Grading, Interior & Perimeter Roads

	Phase III										Phase IV								
Number of equipment operated each day of the month																			
Month 20	Month 21	Month 22	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42
Jan-16	Feb-16	Mar-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17
65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

	Phase III									Phase IV								
ıvation, Grading, Interior & Perimeter Roads																		
Month 22	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 34	Month 35	Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42
Mar-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17
582	582	582	582	582	582	582	582	582	582	582	582	582	582	582	582	582	582	582
445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445
40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Photovoltaic Field Construction Phase		
Underground work (AC/DC/Fiber trenching)	200	
Foundation work (PCS Vaults and Transformer Pa	200	
System Installation (Tilt Brackets, Tables, Wire Ha	520	
System Installation (PV Panels)	520	
System Instatllation (PVCS, PCS Shelters, Transformers and Inverters)		
Soil Stabilization	15	

				Underground utilities, Foundations, PV Field & System Installation																				
				Phase I								Phase II							Phase III					
Equipment Type	HP	Fuel	Hours/Day per Piece of Equipment	Number of equipment operated each day of the month																				
				Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36
				Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17
Generator	30	Diesel	8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Air Compressor	25	Diesel	8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Dozer Cat D6R	185	Diesel	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Deere 210LE Skip Loader	78	Diesel	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Telehandler	99	Diesel	8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Track Trencher	115	Diesel	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cat 583T Pipelayer	310	Diesel	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

					Underground utilities, Foundations, PV Field & System Installation																				
					Phase I								Phase II								Phase III				
On-site Vehicle Type	HP	Type	Miles/Day/ Vehicle	Miles/ Hour/ Vehicle	Number of vehicles operated each day of the month																				
					Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 31	Month 32	Month 33	Month 34	Month 35
					Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17
On-Site Pick Up Truck	210	Diesel	20	6	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
On-Site Heavy Duty Pick Up Truck	235	HHD	20	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
On-Site Flatbed Delivery Truck	280	HHD	20	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
On-Site ServiceTruck	210	HHD	10	10	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
On-Site Lube/Fuel Truck	210	HHD	10	10	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
On-Site Dump Truck	280	HHD	20	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

					Underground utilities, Foundations, PV Field & System Installation																				
					Phase I								Phase II								Phase III				
Off-site Vehicle Type	HP	Type	Miles/Day	Miles/ Hour	Number of vehicles operated each day of the month																				
					Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 31	Month 32	Month 33	Month 34	Month 35
					Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17
Off-Site Worker Commuter Bus, Small	220	HHD	50	55	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Off-Site Worker Commute Car	140	HHD	50	55	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359
Off-Site Concrete Truck	300	HHD	50	55	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Off-Site Equipment/Material Delivery Truck	235	HHD	50	55	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Off-Site Equipment/Material Delivery Truck	235	HHD	100	55	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

Earthwork																								
		Phase I								Phase II								Phase III						
Activity	Units	Underground utilities, Foundations, PV Field & System Installation																						
		Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 31	Month 32	Month 33	Month 34	Month 35	Month 36	Month 37
		Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17
Quantity of Soil Cut	ryday of the month	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
Quantity of Soil Fill	ryday of the month	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
Storage Pile Exposed Area	ryday of the month	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Quantity of area disturbed	bed per day/graded	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

	Phase IV								
Month 37	Month 38	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47
Jun-17	Jul-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18
2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1

	Phase IV									
Month 36	Month 37	Month 38	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47
May-17	Jun-17	Jul-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18
3	3	3	3	3	3	3	3	3	3	3
1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1
3	3	3	3	3	3	3	3	3	3	3
2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	1	1	1	1	1	1

	Phase IV									
Month 36	Month 37	Month 38	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47
May-17	Jun-17	Jul-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18
2	2	2	3	4	5	6	7	8	9	10
359	359	359	359	359	359	359	359	359	359	359
10	10	10	10	10	10	10	10	10	10	10
5	5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6	6

	Phase IV							
Month 38	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47
Jul-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18
80	80	80	80	80	80	80	80	80
65	65	65	65	65	65	65	65	65
10	10	10	10	10	10	10	10	10
0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

Building Construction Phase
Underground work (AC/DC/Fiber trenching)
Construct Interconnection Facilities
Construct Operations and Maintenance Building
Construct Water Storage/Treatment Facilities
Commissioning/pre-functional and functional testing
Soil Stabilization

				Construct Switchyard, Water Tanks, O&M Buildings			
				Phase I - IV/Ops Buildings			
Equipment Type	**HP**	**Fuel**	**Hours/Day per Piece of Equipment**	**Number of equipment operated each day of the month**			
				Month 19	**Month 20**	**Month 21**	**Month 22**
				Dec-15	**Jan-16**	**Feb-16**	**Mar-16**
Generator	30	Diesel	6	1	1	1	1
Air Compressor	25	Diesel	6	1	1	1	1
Skip Loader	78	Diesel	6	1	1	1	1
Crane - Boom Truck	250	Diesel	6	1	1	1	1

					Construct Switchyard, Water Tanks, O&M Buildings			
					Phase I - IV/Ops Buildings			
On-site Vehicle Type	**HP**	**Type**	**Miles/Day/ Vehicle**	**Miles/ Hour/ Vehicle**	**Number of equipment operated each day of the month**			
					Month 19	**Month 20**	**Month 21**	**Month 22**
					Dec-15	**Jan-16**	**Feb-16**	**Mar-16**
On-Site Heavy Duty Pick Up Truck	235	HHD	20	10	1	1	1	1
On-Site Flatbed Delivery Truck	280	HHD	20	10	1	1	1	1
On-Site Dump Truck	280	HHD	20	10	0.25	0.25	0.25	0.25

					Construct Switchyard, Water Tanks, O&M Buildings			
					Phase I - IV/Ops Buildings			
Off-site Vehicle Type	**HP**	**Type**	**Miles/Day**	**Miles/ Hour**	**Number of equipment operated each day of the month**			
					Month 19	**Month 20**	**Month 21**	**Month 22**
					Dec-15	**Jan-16**	**Feb-16**	**Mar-16**
Off-Site Worker Commute Car	140	HHD	40	20	56	56	56	56
Off-Site Concrete Truck	300	HHD	40	20	2	2	2	2
Off-Site Equipment/Material Delivery Truck	235	HHD	40	20	0.5	0.5	0.5	0.5

Earthwork		Construct Switchyard, Water Tanks, O&M Buildings			
Activity	**Units**	Phase I - IV/Ops Buildings			
		Month 19	**Month 20**	**Month 21**	**Month 22**
		Dec-15	**Jan-16**	**Feb-16**	**Mar-16**
Quantity of Soil Cut	eryday of the month	30	30	30	30
Quantity of Soil Fill	eryday of the month	30	30	30	30
Storage Pile Exposed Area	Cu. Yd. everyday of the month	5	5	5	5
Quantity of area disturbed	isturbed per day	0.25	0.25	0.25	0.25

Offsite Construction Phase
Site Preparation, Initial Access Roads, and Grading
Survey
Post Installation
High Voltage Transmission Line Installation
Interconnection
Commissioning/pre-functional and functional testing

			Transmission Line Installation								
Equipment Type	**HP**	**Fuel**	**Hours/Day per Piece of**								
Dozer Cat D6R	185	Diesel	8								
Generator	30	Diesel	6								
Cat 140H Grader	185	Diesel	8								
Roller Vibrator/compactor/other	350	Diesel	6								

			Transmission Line Installation									
Off-site Vehicle Type	**HP**	**Type**	**Miles/Day**	**Miles/ Hour**	**Number of**							
Off-Site Worker Commute Car	140	HHD	40	55								
4000 gal Water Truck	240	Diesel	10	8								
Off-Site Water Delivery Truck	435	HHD	40	20								
Off-Site Concrete Truck	300	HHD	40	20								
On-Site ServiceTruck	210	HHD	10	10								
Off-Site Equipment/Material Delivery Truck	235	HHD	40	20								
Off-Site Equipment/Material Delivery Truck	235	HHD	160	55								

Earthwork									
Activity	**Units**	**Transmission Line Installation**							
Quantity of Soil Cut	ryday of the month								
Quantity of Soil Fill	ryday of the month								
Storage Pile Exposed Area	ryday of the month								
Quantity of Acres Paved	yday of the month								
Quantity of are disturbed	sturbed per day								

Operations Phase
Maintenance
Cleaning
Operations activities

On-Site Equipment Type	HP	Fuel	Hours/Day per Piece of	Miles Driven per Day/Speed	Operat					
					Number of equipment opera					
					Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
					Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18
F-150 Pickup Trucks	235	Diesel	4	10/15	1.5	1.5	1.5	1.5	1.5	1.5
Utility/Service Vehicles	210	Diesel	2	10/15	2	2	2	2	2	2
2200 gal Water Truck	240	Diesel	2	10/15	2	0	0	2	0	0
Portable Generator Lights	35	Diesel	2	-	2	2	2	2	2	2

Off-site Vehicle Type	HP	Type	Miles/Day	Miles/ Hour	Operat					
					Number of equipment opera					
					Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
					Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18
Off-Site Worker Commute Car	140	HHD	40	55	29	16	16	29	16	16
Carpenter Service Vehicle	210	HHD	40	55	0.5	0.5	0.5	0.5	0.5	0.5
Electricial Service Vehicle	210	HHD	40	55	0.5	0.5	0.5	0.5	0.5	0.5
Off-Site Equipment/Material Delivery Truck	235	HHD	40	55	2 per month	2 per month	2 per month	2 per month	2 per month	2 per month

tions

ted each day of the month

Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
Dec-18	**Jan-19**	**Feb-19**	**Mar-19**	**Apr-19**	**May-19**
1.5	1.5	1.5	1.5	1.5	1.5
2	2	2	2	2	2
0	2	0	0	0	2
2	2	2	2	2	2

tions

ted each day of the month

Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
Dec-18	**Jan-19**	**Feb-19**	**Mar-19**	**Apr-19**	**May-19**
16	29	16	16	16	29
0.5	0.5	0.5	0.5	0.5	0.5
0.5	0.5	0.5	0.5	0.5	0.5
2 per month	2 per month	2 per month	2 per month	2 per month	2 per month

Equipment/Vehicle Type	Description	HP	Hours/Day/Vehicle	Miles/Day/ vehicle Round Trip	Miles/Hour/Vehicle	Weight	1	2	3	4	5	6	7	8	9
On-Site Construction Equip							Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15
FENCE - MOBILIZATION															
Generator	Multiquip WshpWatt	30	6	0	0	1,000	1	1	1	0	1	1	1	0	1
On-Site Pick Up Truck	Ford F150	235	8	25	15	21,000	3	3	3	0	3	3	3	0	3
On-Site Flatbed Delivery Truck	One-Ton	28	6	25	25	30,000	2	2	2	0	2	2	2	0	2
Skip Loader	Deere 210LE	78	4	10	5	14,000	1	1	1	0	1	1	1	0	1
5000 gal Water Truck	FrtLiner 4000 gal	240	8	20	10	34,000	1	1	1	0	1	1	1	0	1
On-Site ServiceTruck	Ford F150	235	4	25	15	21,000	1	1	1	0	1	1	1	0	1
On-Site Lube/Fuel Trucks	Ford F-150	235	6	25	15	21,000	8	8	8	0	8	8	8	0	8
Track Trencher	HT115	115	8	10	5	12,000	1	1	1	0	1	1	1	0	1
On-Site Dump Truck	One Ton	280	6	20	15	30,000	1	1	1	0	1	1	1	0	1
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK															
Dozer Cat D6R	Cat D6	185	8	10	5	42,000	0	0	0	1	1	1	1	1	1
Generator	Multiquip WshpWatt	30	8	0	0	1,000	0	0	0	2	2	2	2	2	2
Scraper Cat 623	Cat-623	365	8	10	5	83,000	0	0	0	1.5	1.5	1.5	1.5	1.5	1.5
Deere 210LE Skip Loader	Case 586G	78	8	10	5	14,000	0	0	0	1	1	1	1	1	1
Cat 140H Grader	Cat 14G	185	8	10	5	33,000	0	0	0	2	2	2	2	2	2
5000 gal Water Truck	FrtLiner 4000 gal	240	8	20	10	34,000	0	0	0	3	3	3	3	3	3
Roller Vibrator/compactor/other	Cat 826H	350	6	5	10	30,000	0	0	0	1	1	1	1	1	1
Cat BG600D Paver	AC Paver	173	6	5	10	64,000	0	0	0	0	1	1	1	1	0
On-Site Heavy Duty Pick Up Truck	Ford F150	235	6	20	10	21,000	0	0	0	1.5	1.5	1.5	1.5	1.5	1.5
On-Site Flatbed Delivery Truck	One-Ton	280	6	20	10	30,000	0	0	0	1	1	1	1	1	1
On-Site Lube/Fuel Trucks	Ford F-150	235	6	25	15	21,000	0	0	0	6	0	0	0	6	6
On-Site Service Truck	One-Ton	280	6	25	15	21,000	0	0	0	6	0	0	0	0	0
On-Site Dump Truck	One Ton	280	6	20	15	30,000	0	0	0	10	10	10	10	10	4
PV PANEL CONSTRUCTION															
Generator	Multiquip WshpWatt	30	8	0	0	1,000	0	0	0	0	0	0	0	0	0
Air Compressor	Ingersol Rand - 250 CFM	25	8	0	0	500	0	0	0	0	0	0	0	0	0
Dozer Cat D6R	Cat D6R	185	4	10	5	42,000	0	0	0	0	0	0	0	0	0
Deere 210LE Skip Loader	Deere 210LE	78	8	10	5	14,000	0	0	0	0	0	0	0	0	0
Telehandler	Cat TL943	99	8	10	5	21,000	0	0	0	0	0	0	0	0	0
Track Trencher	HT115	115	8	10	5	12,000	0	0	0	0	0	0	0	0	0
Cat 583T Pipelayer	Cat 583T	310	6	10	5	45,000	0	0	0	0	0	0	0	0	0
On-Site Pick Up Truck	Ford F-150	235	6	25	25	21,000	0	0	0	0	0	0	0	0	0
On-Site Heavy Duty Pick Up Truck	Ford F150	235	6	20	10	21,000	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	One-Ton	280	6	25	25	30,000	0	0	0	0	0	0	0	0	0
On-Site ServiceTruck	Ford F-150	235	6	25	15	21,000	0	0	0	0	0	0	0	0	0
On-Site Dump Truck	One Ton		6	20	15	30,000	0	0	0	0	0	0	0	0	0
On-Site Lube/Fuel Trucks	Ford F-150	235	6	25	15	21,000	0	0	0	0	0	0	0	0	0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION															
On-Site Heavy Duty Pick Up Truck	Ford F150	235	6	20	10	21,000	0	0	0	0	0	0	0	0	0
On-Site Flatbed Delivery Truck	One-Ton	280	6	20	10	30,000	0	0	0	0	0	0	0	0	0
Generator	Multiquip WshpWatt	30	6	0	0	1,000	0	0	0	0	0	0	0	0	0
Air Compressor	Ingersol Rand - 250 CFM	25	6	0	0	500	0	0	0	0	0	0	0	0	0
Skip Loader	Deere 210LE	78	6	10	5	30,000	0	0	0	0	0	0	0	0	0
Crane - Boom Truck	Grove 25ton Rough Terrain	250	6	10	5	21,000	0	0	0	0	0	0	0	0	0
Testing & Commissioning															
On-Site Heavy Duty Pick Up Truck	Ford F150	235	6	20	10	21,000	0	0	0	0	0	0	0	0	0
On-Site ServiceTruck	Ford F-150	235	6	25	15	21,000	0	0	0	0	0	0	0	0	0
Cat BG600D Paver	AC Paver	173	6	5	10	64,000	0	0	0	0	0	0	0	0	0
Roller Vibrator/compactor/other	Cat 826H	350	6	5	10	30,000	0	0	0	0	0	0	0	0	0
Subtotal							**19**	**19**	**19**	**36**	**44**	**44**	**44**	**31**	**43**

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-17	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16
														Daily Count						
1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	3	0	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	2	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	8	0	8	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
														Daily Count						
1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.5	1.5	1.5	0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
2	2	2	0	2	2	2	2	2	2	2	2	2	0	2	2	2	2	2	2	2
3	3	3	0	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3
1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.5	1.5	1.5	0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0	15	1.5	1.5	1.5	1.5	1.5	1.5
1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
6	6	6	0	0	0	6	6	6	6	6	6	6	0	6	6	6	6	6	6	6
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	4	4	0	4	4	4	4	4	4	4	4	4	0	4	4	4	4	4	4	4
														Daily Count						
0	0	0	2	2	2	2	2	2	2	2	0	2	2	2	2	2	2	2	2	0
0	0	0	2	2	2	2	2	2	2	2	0	2	2	2	2	2	2	2	2	0
0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
0	0	0	2	2	2	2	2	2	2	2	0	2	2	2	2	2	2	2	2	0
0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
0	0	0	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	0
0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
0	0	0	2	2	2	2	2	2	2	2	0	2	2	2	2	2	2	2	2	0
0	0	0	2	2	2	2	2	2	2	2	0	2	2	2	2	2	2	2	2	0
0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
														Daily Count						
0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0
														Daily Count						
0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1
0	0	0	0	0	0	0	0	0	0	2	2	2	0	0	0	0	0	0	2	2
0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
43	**43**	**24**	**38**	**54**	**54**	**41**	**41**	**41**	**46**	**49**	**32**	**51**	**19**	**54.5**	**41**	**41**	**41**	**41**	**44**	**26**

31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.5	1.5	0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0	0	0	0	0	0
1	1	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
2	2	0	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0
3	3	0	3	3	3	3	3	3	3	3	3	0	0	0	0	0	0
1	1	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.5	1.5	0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0	0	0	0	0	0
1	1	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
6	6	0	6	6	6	6	6	6	6	6	6	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	4	0	5	5	5	5	5	5	5	5	5	0	0	0	0	0	0
2	2	2	2	2	2	2	2	0	2	2	2	2	2	2	2	2	0
2	2	2	2	2	2	2	2	0	2	2	2	2	2	2	2	2	0
1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
2	2	2	2	2	2	2	2	0	2	2	2	2	2	2	2	2	0
1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	0
1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
2	2	2	2	2	2	2	2	0	2	2	2	2	2	2	2	2	0
2	2	2	2	2	2	2	2	0	2	2	2	2	2	2	2	2	0
1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
0	0	0	0	0	0	8	8	0	8	8	8	8	8	8	8	8	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1
2	0	0	0	0	0	0	2	2	2	0	0	0	0	0	2	2	2
1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
45	**41**	**19**	**42**	**42**	**42**	**50**	**53**	**27**	**54**	**50**	**50**	**27**	**27**	**27**	**30**	**32**	**5**

Construction Equipment and Motor Vehicle Numbers											
Equipment/Vehicle Type	Description	HP	Hours/Day/Vehicle	Miles/Day/ vehicle Round Trip	Miles/Hour/Vehicle	Gross Weight (lbs)	1	2	3	4	5
							Jun-14	Jul-14	Aug-14	Sep-14	Oct-14
FENCE - MOBILIZATION											
Off-Site Flat Bed Trucks	N/A	235	50	25	55	80,000	4	4	4	0	4
Off-Site Water Trucks	gal	240	50	25	55	55,000	5	5	5	0	0
Off-Site Fuel & Lube	N/A	235	50	25	55	21,000	1	1	1	0	1
Off-Site Fencing Trucks	N/A	235	50	25	55	80,000	4	4	4	0	4
Off-site Concrete Truck	12 CY Mixer	300	50	25	55	55,000	0	0.5	0.5	0	0.5
Porto-Let Truck	N/A	235	50	25	55	24,000	4	4	4	0	2
CIVIL IMPROVEMENTS - GRADING/ROADS/EARTHWORK											
Off-Site Gravel Rock/AC trucks	N/A	280	50	25	55	80,000	0	0	0	37	37
Off-Site Water Trucks	FrtLiner 4000 gal	240	50	25	55	55,000	0	0	0	8	8
Low Bed Delivery Trucks	N/A	235	50	25	55	80,000	0	0	0	1.5	1.5
Porto-Let Truck	N/A	235	50	25	55	24,000	0	0	0	3	3
PV PANEL CONSTRUCTION											
Off-Site Flat Bed Trucks	N/A	235	50	25	55	80,000	0	0	0	0	0
Off-Site PV Panel Trucks	N/A	280	150	436	55	80,000	0	0	0	0	0
Off-Site Inverters	N/A	280	150	30	55	80,000	0	0	0	0	0
Off-Site Tracker Trucks	N/A	280	150	30	55	80,000	0	0	0	0	0
Off-Site Cabling Trucks	N/A	235	150	25	55	80,000	0	0	0	0	0
Off-Site Fuel & Lube	N/A	235	50	25	55	21,000	0	0	0	0	0
Off-site Concrete Truck	12 CY Mixer	300	50	25	55	55,000	0	0	0	0	0
Off-Site Electrical Truck	N/A	235	50	25	55	55,000	0	0	0	0	0
Low Bed Delivery Trucks	N/A	235	50	25	55	80,000	0	0	0	0	0
Porto-Let Truck	N/A	235	50	25	55	24,000	0	0	0	0	0
SUBSTATION-BLDG-WATER TANK CONSTRUCTION											
Off-site Insulation Truck	N/A	235	50	25	55	55,000	0	0	0	0	0
Off-site Roof truck	N/A	280	50	25	55	55,000	0	0	0	0	0
Off-site Wall Truck	N/A	280	50	25	55	55,000	0	0	0	0	0
Off-Site Structural Steel truck	N/A	280	150	25	55	55,000	0	0	0	0	0
Off-Site Mechanical Truck	N/A	235	50	25	55	55,000	0	0	0	0	0
Off-Site Architechtural Truck	N/A	235	50	25	55	55,000	0	0	0	0	0
Testing & Commissioning											
Off-Site Flat Bed Trucks	N/A	235	50	25	55	80,000	0	0	0	0	0
Off-Site Fuel & Lube	N/A	235	50	25	55	21,000	0	0	0	0	0
Off-site Concrete Truck	12 CY Mixer	300	50	25	55	55,000	0	0	0	0	0
Subtotal							**18**	**18.5**	**18.5**	**49.5**	**61**

6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16
4	4	0	4	4	4	0	4	4	4	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	0	1	1	1	0	1	1	1	0	0	0	0	0
4	4	0	4	4	4	0	4	4	4	0	0	0	0	0
0.5	0.5	0	0.5	0.5	0.5	0	0.5	0.5	0.5	0	0	0	0	0
2	2	0	2	2	2	0	4	4	4	0	0	0	0	0
37	37	37	37	37	37	37	0	37	37	37	37	37	37	37
8	8	8	8	8	8	8	0	8	8	8	8	8	8	8
1.5	1.5	1.5	1.5	1.5	1.5	1.5	0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
3	3	3	3	3	3	3	0	3	3	3	3	3	3	3
0	0	0	0	0	0	0	5	5	5	5	5	5	5	5
0	0	0	0	0	0	0	75	75	75	75	75	75	75	75
0	0	0	0	0	0	0	4	4	4	4	4	4	4	4
0	0	0	0	0	0	0	12	12	12	12	12	12	12	12
0	0	0	0	0	0	0	2	2	2	2	2	2	2	2
0	0	0	0	0	0	0	8	8	8	8	8	8	8	8
0	0	0	0	0	0	0	10	10	10	10	10	10	10	10
0	0	0	0	0	0	0	5	5	5	5	5	5	5	5
0	0	0	0	0	0	0	5	5	5	5	5	5	5	5
0	0	0	0	0	0	0	4	4	4	4	4	4	4	4
0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.5
0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.5
0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.5
0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.5
0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.5
0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.5
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	**61**	**49.5**	**61**	**61**	**61**	**49.5**	**143.5**	**193**	**193**	**179.5**	**179.5**	**179.5**	**182.5**	**183.5**

21	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**	**33**	**34**	**35**
Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17
				Count										
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Count										
37	37	0	37	37	37	37	37	37	37	37	37	0	37	37
8	8	0	8	8	8	8	8	8	8	8	8	0	8	8
1.5	1.5	0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0	1.5	1.5
3	3	0	3	3	3	3	3	3	3	3	3	0	3	3
				Count										
0	5	5	5	5	5	5	5	5	0	5	5	5	5	5
0	75	75	75	75	75	75	75	75	0	75	75	75	75	75
0	4	4	4	4	4	0	0	0	0	4	4	4	4	4
0	12	12	12	12	12	0	0	0	0	12	12	12	12	12
0	2	2	2	2	2	0	0	0	0	2	2	2	2	2
0	8	8	8	8	8	8	8	8	0	8	8	8	8	8
0	10	10	10	10	10	10	10	10	0	10	10	10	10	10
0	5	5	5	5	5	5	5	5	0	5	5	5	5	5
0	5	5	5	5	5	5	5	5	0	5	5	5	5	5
0	4	4	4	4	4	4	4	4	0	4	4	4	4	4
				Count										
0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0
0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0
0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0
0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0
0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0
0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0
				Count										
0.5	0.5	0	0	0	0	0	0	0.5	0.5	0.5	0	0	0	0
0.5	0.5	0	0	0	0	0	0	0.5	0.5	0.5	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53.5	**183.5**	**130**	**179.5**	**179.5**	**179.5**	**161.5**	**161.5**	**162.5**	**50.5**	**180.5**	**179.5**	**130**	**179.5**	**179.5**

36	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**
May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
37	37	37	37	37	37	37	0	0	0	0	0	0
8	8	8	8	8	8	8	0	0	0	0	0	0
1.5	1.5	1.5	1.5	1.5	1.5	1.5	0	0	0	0	0	0
3	3	3	3	3	3	3	0	0	0	0	0	0
5	5	5	0	5	5	5	5	5	5	5	5	0
75	75	75	0	75	75	75	75	75	75	75	75	0
0	0	0	0	4	4	4	4	4	4	4	4	0
0	0	0	0	12	12	12	12	12	12	12	12	0
0	0	0	0	2	2	2	2	2	2	2	2	0
8	8	8	0	8	8	8	8	8	8	8	8	0
10	10	10	0	10	10	10	10	10	10	10	10	0
5	5	5	0	5	5	5	5	5	5	5	5	0
5	5	5	0	5	5	5	5	5	5	5	5	0
4	4	4	0	4	4	4	4	4	4	4	4	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.5	0.5	0.5	0	0	0	0	0	0.5	0.5	0.5
0	0	0.5	0.5	0.5	0	0	0	0	0	0.5	0.5	0.5
0	0	0	0	0	0	0	0	0	0	1	1	1
161.5	**161.5**	**162.5**	**50.5**	**180.5**	**179.5**	**179.5**	**130**	**130**	**130**	**132**	**132**	**2**

Paved Roads = 405,108 Sw Ft or 9.3 acres
Unpaved Roads = 8,581,320 Sq Ft or 197 acres
O&M Building = 3000 Sq Ft
Switch Yards = 150410 Sq Ft x 2 or 6.9 acs
Inverter Pads= 605,484 Sq Ft or 13.9 acres
Transformer Pkgs= 121,968 Sq Ft or 2.8 acres
Water Treatment Area (ponds and fenced area)= 596,772 or 13.7 acres
485 MG
4,139 acre site
48 month construction schedule
Mon-Fri ops personnel schedule, 8 to 12 hour per day

4 phases, 3 at 125 MW each, 1 at 110 MW; each

Private Parcel within Site = 159.2 acres

Road
A preliminary

Assumptions:
Blythe
Blythe
We are keeping
The following
a) Stripping
b)
c) Scarify
d) There is

Blythe Solar Power Project
Earthwork Quantities Estimate
REV C

By: J. Dahlgren
2/18/2013

Checked: J. Bravo
2/20/2013

Region	Area (SF)	Area (Ac)	Cut Volume (CF)	Fill Volume (CF)
PCS Area	607,620	13.9	759,525	607,620
Unit Step-up Transformers	120,704	2.8	150,880	120,704
Switchyard	300,000	6.9	375,000	300,000
O&M building	3,000	0.1	3,750	3,000
Water treatment area	5,557	0.1	6,946	5,557
Evaporation Ponds	595,980	13.7	1,142,837	489,672
Onsite paved roads	38,613	0.9	48,266	38,613
Main access road	368,987	8.5	461,234	368,987
Unpaved roads	8,622,125	197.9	10,777,656	8,622,125
				GRAND TOTAL

	Unit 1		Unit 2	
Region	**Cut Volume (CY)**	**Fill Volume (CY)**	**Cut Volume (CY)**	**Fill Volume (CY)**
PCS Area	7,175	5,740	7,175	5,740
Unit Step-up Transformers	1,397	1,118	1,397	1,118
Switchyard	13,889	11,111	-	-
O&M building	139	111	-	-
Water treatment area	257	206	-	-
Evaporation Ponds	42,327	18,136	-	-
Onsite paved roads	1,788	1,430	-	-

Main access road	17,083	13,666	-	-
Unpaved roads	97,318	77,855	105,112	84,090
Unit Total	**181,374**	**129,373**	**113,684**	**90,948**

1 acre= 43,560 Sq Ft

6.138888889

Civil Grading	221.10
36 months/22 days per month	0.28

PV construction grading	24
24 months/22 days per month	0.045

Cut Volume (CY)	Fill Volume (CY)
28,131	22,504
5,588	4,471
13,889	11,111
139	111
257	206
42,327	18,136
1,788	1,430
17,083	13,666
399,172	319,338
508,374	**390,973**

Unit 3		Unit 4	
Cut Volume (CY)	Fill Volume (CY)	Cut Volume (CY)	Fill Volume (CY)
7,175	5,740	6,605	5,284
1,397	1,118	1,397	1,118
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

-	-	-	-
105,402	84,321	91,340	73,072
113,974	**91,179**	**99,342**	**79,474**

Total Acres	460,627	Total CY Cut	352,776	Total CY Fill
acres per day	582	CY cut per day	445	CY fll per day

Total Acres	47,746	Total CY Cut	38,197	Total CY Fill
acres per day	90	CY cut per day	72	CY Fill per day

Total Grading Impact

14,785	Max cut/month	12,399	Average cut/month (use total number of months of grading construction)
11,391	Max fill/month	9,536	Average fill/month (use total number of months of grading construction)
26,176	**Total max cut/fill**	**21,935**	**Total average max cut/fill**

		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Phase: Mobilization (1)	Acres disturbed per day/clear & grub - no grading	2	2	2	0	2	2
Phase: Civil Improvements (2)	Acres disturbed per day/grading	0	0	0	6.1	6.1	6.1
Phase: PV Construction (3)	Acres disturbed per day/grading	0	0	0	0	0	0
Phase: Building Construction (4)	Acres disturbed per day/clear & grub - no grading	0	0	0	0	0	0
Phase: Offsite (5)	Acres disturbed per day/grading						
Phase: Testing/Commissioning (6)	Acres disturbed per day/grading	0	0	0	0	0	0

Total Disturbed Non-graded Acreage	2	2	2	0	2	2
Total Disturbed Graded Acreage	0	0	0	6.1	6.1	6.1

Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19
2	0	2	2	2	0	2	2	2	0	0	0	0
6.1	6.1	6.1	6.1	6.1	6.1	0	6.1	6.1	6.1	6.1	6.1	6.1
0	0	0	0	0	0	10	10	10	10	10	10	10
0	0	0	0	0	0	0	0	0	0	0	0	2
0	0	0	0	0	0	0	0	0	0	0	0	0

2	0	2	2	2	0	2	2	2	0	0	0	0
6.1	6.1	6.1	6.1	6.1	6.1	10	16.1	16.1	16.1	16.1	16.1	18.1

Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6.1	6.1	6.1	0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	0	6.1	6.1
10	0	10	10	10	10	10	10	10	10	0	10	10	10	10	10
2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.1	8.1	18.1	10	16.1	16.1	16.1	16.1	16.1	16.1	6.1	16.1	16.1	10	16.1	16.1

Month 36	Month 37	Month 38	Month 39	Month 40	Month 41	Month 42	Month 43	Month 44	Month 45	Month 46	Month 47	
0	0	0	0	0	0	0	0	0	0	0	0	
6.1	6.1	6.1	6.1	6.1	6.1	6.1	0	0	0	0	0	
10	10	10	0	10	10	10	10	10	10	10	10	
0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	>1/8	>1/8	(Paving)

0	0	0	0	0	0	0	0	0	0	>1/8	>1/8
16.1	16.1	16.1	6.1	16.1	16.1	16.1	10	10	10	10	10

Waste Streams	Hazardous	Total Weight (lbs)	Annual Weight	Non-Hazardous
Construction	150 cy + 2800 gallons	20,200	4,040	2880 cy + 75500 gallons
Operations	0	0	0	52 cy/year + 20000 gallons

Hauling	Hazardous	Vehicle	Schedule	Non-Hazardous
Construction	15,200 lbs	F650, 40,000, 300HP	6 mos = 4,000 lbs	587,328 lbs
Operations	0	N/A	N/A	145,616 lbs

Notes:

1. calculated at 4#/cubic foot; 7#/gallon
2. annual estimate
3. weight calculated on overall construction,48 impacted months total (4 years)
4. Schedule indicates frequency and weight at each offhaul

Total Weight (lbs)	Annual Weight Offhaul	Notes:
839,540	209,885	1, 3
145,616	145,616	1, 2

Vehicle	Schedule	Notes:
F650, 40,000, 300HP	90 days = 42,000 lbs	4
F650, 40,000, 300HP	Annually = 145, 616 lbs	2, 4

Equipment/Vehicle Type	Description	HP	Gross Weight (lbs)
Generator	Multiquip WshpWatt	30	1,000
Pick Up Truck	Ford F150	235	21,000
Flatbed Delivery Truck	One-Ton	280	30,000
Skip Loader	Deere 210LE	78	14,000
ServiceTruck	Ford F150	235	21,000
Lube/Fuel Trucks	Ford F-150	235	21,000
Track Trencher	HT115	115	12,000
Dozer Cat D6R	Cat D6	185	42,000
Scraper Cat 623	Cat-623	365	83,000
Deere 210LE Skip Loader	Case 586G	78	14,000
Cat 140H Grader	Cat 14G	185	33,000
5000 gal Water Truck	FrtLiner 5000 gal	240	34,000
Roller Vibrator/compactor/other	Cat 826H	350	30,000
Cat BG600D Paver	AC Paver	173	64,000
Dump Truck	One Ton	280	30,000
Air Compressor	Ingersol Rand - 250 CFM	25	500
Telehandler	Cat TL943	99	21,000
Cat 583T Pipelayer	Cat 583T	310	45,000
Heavy Duty Pick Up Truck	Ford F150	235	21,000
Crane - Boom Truck	Grove 25ton Rough Terrain	250	21,000

APPENDIX F SUMMER/FALL PLANT REPORT

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2012
Special-Status Summer Annual Plant Survey Report

Blythe Solar Power Project
Riverside County, CA

Prepared By:

TETRA TECH

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NextEra Blythe Solar Energy Center, LLC

March 2013

EXECUTIVE SUMMARY

NextEra Blythe Solar Energy Center, LLC (NextEra Blythe), a wholly-owned subsidiary of NextEra Energy Resources, LLC, proposes to construct, operate, maintain, and decommission a photovoltaic (PV) solar energy generating facility, the Blythe Solar Power Project (BSPP or Project), on Bureau of Land Management (BLM)-administered land in unincorporated Riverside County, California. The BSPP was fully permitted as a solar thermal facility in September 2010 by Solar Trust of America (STA); NextEra Blythe acquired the BSPP permits and Right-of-Way (ROW) Grant in July 2012. The Project includes the 7,162-acre solar plant site, plus linear facilities (generation-tie line [gen-tie], access road, primary and secondary telecommunication lines, and distribution line), for a total Project Area of 7,345 acres.

Surveys were conducted in August and September 2012 to determine the presence, distribution, and approximate abundance of special-status summer annual plants (plants that germinate in late summer or early fall in response to summer rains). Although the Project was fully approved and permitted in 2010 and began construction in 2011, these surveys were conducted because there was insufficient rainfall to trigger germination at the time STA conducted plant surveys in Fall 2010 to comply with California Energy Commission's (CEC) Condition of Certification (COC) BIO-19. The surveys documented in this report supplement the comprehensive surveys for all special-status biological resources and their habitats that were conducted of the Project and surrounding area in 2009 and 2010 by STA's biological consultants (see EDAW AECOM 2009 and AECOM 2010).

At the time the surveys documented in this report were conducted, NextEra Blythe was still in the process of refining/reducing the Project footprint. To ensure that all potential areas within the Project footprint would be captured, the entire STA project footprint (for the 1,000-MW thermal solar project) was surveyed.

Surveyors did not find any federally or state-threatened, endangered, or candidate plant species during surveys. However, surveyors did observe two special-status plants within the Survey Area:

- Abrams' spurge (*Euphorbia* (=*Chamaesyce*) *abramsiana)* California Natural Diversity Database [CNDDB] G4/S2S3; California Native Plant Society [CNPS] Rare Plant Rank 2.2.
- Desert unicorn plant (*Proboscidea althaeifolia):* CNDDB G5/S3.3; CNPS Rare Plant Rank 4.

More than 2,270 Abrams' spurge plants were observed in the northwest quarter of the solar plant site. These plants are part of a population that extends north for at least two miles beyond the Project. An extensive population of 85+ individuals was observed south of Interstate 10 (I-10) along the linear facilities. Outside of the Project Area, over 14,000 plants were observed along the north side of Black Rock Road, north of I-10. This species' rarity ranking is most likely a product of undersampling and survey observations indicate that this species is more widespread and common than originally thought.

Surveyors observed 1,687 desert unicorn plants within the Survey Area, primarily in runnels and swales that held water for a short time. This species was common and evenly distributed throughout the Project Area with the exception of the far west portion of the solar plant site and sand dunes and sheets south of I-10. Observations were considered part of the same

population that extends north and east where plants can be found in suitable habitat. As a CNPS Rare Plant Rank 4, it requires California Environmental Quality Act (CEQA) consideration only if the population has local or regional significance (California Department of Fish and Game [CDFG] 2009). Based on the abundance and distribution within the BSPP and nearby areas, the BSPP population is not considered locally or regionally significant.

TABLE OF CONTENTS

EXECUTIVE SUMMARY **1**

1.0 INTRODUCTION **1**

2.0 PROJECT LOCATION AND ENVIRONMENTAL SETTING **1**

3.0 SURVEY METHODS **2**

4.0 SURVEY RESULTS AND DISCUSSION **7**
4.1 Abrams' Spurge (CNPS California Rare Plant Rank 2.2; CNDDB G4/S2S3) 7
4.2 Desert Unicorn Plant (CNPS California Rare Plant Rank 4.3; CNDDB G5/S3.3) 8
4.3 Incidental Wildlife 9

5.0 LITERATURE CITED **9**

LIST OF TABLES

Table 1. Special-status summer annual plants potentially occurring within the Blythe Solar Power Project 3

Table 2. 2012 Monthly precipitation data (in inches), Blythe, CA airport (Source: Western Regional Climate Center 2012) 6

LIST OF FIGURES

Figure 1. Project Location

Figure 2. Survey Area

Figure 3A. Special-status Plants Observed August/September 2012 Surveys

Figure 3B. Special-status Plants Observed August/September 2012 Surveys

APPENDICES

Appendix A August-September 2012 Survey Crew

Appendix B Comprehensive Special-status Plant Survey Results

Appendix C Comprehensive List of All Plant Species Observed during August 2012 Field Surveys

Appendix D Completed and Submitted CNDDB Forms

1.0 INTRODUCTION

NextEra Blythe Solar Energy Center, LLC (NextEra Blythe), a wholly-owned subsidiary of NextEra Energy Resources, LLC, proposes to construct and operate the Blythe Solar Power Project (BSPP or Project), a photovoltaic (PV) solar energy generating facility on Bureau of Land Management (BLM)-administered land in unincorporated Riverside County, California. The BSPP was fully permitted as a solar thermal facility in September 2010 by Solar Trust of America (STA); NextEra Blythe acquired the BSPP permits and Right-of-Way (ROW) Grant in July 2012. The Project included a 7,162-acre solar plant site plus linear facilities (generation-tie line [gen-tie], access road, primary and secondary telecommunication lines, and distribution line), for a total Project Area of 7,345 acres.

This report presents the result of surveys conducted in August 2012 to determine the presence, distribution, and approximate abundance of special-status summer annual plants (plants that germinate in late summer or early fall in response to summer rains). These surveys supplement the comprehensive surveys for spring special-status plants and other biological resources and their habitats that were conducted of the Project Area and surrounding area in 2009 and 2010 by STA's biological consultants (see EDAW AECOM 2009 and AECOM 2010). Although the Project was fully approved and permitted in 2010 and began construction in 2011, these surveys were conducted to comply with the California Energy Commission's (CEC) Condition of Certification (COC) BIO-19 because, due to negligible precipitation in 2010, AECOM was unable to conduct a full survey for fall-growing herbaceous species (Graham 2010).

2.0 PROJECT LOCATION AND ENVIRONMENTAL SETTING

A detailed description of site characteristics with photographs can be found in the earlier biological resources technical reports (EDAW AECOM 2009; AECOM 2010). However, the following provides a brief summary of the salient features of the Project's habitats (both natural and altered) and vegetation communities.

The Project is located in the Sonoran Desert approximately eight miles northwest of the City of Blythe, California (Figure 1). Surrounding mountain ranges include the McCoy Mountains to the west, the Little Maria Mountains to the north, and the Big Maria Mountains to the northeast. McCoy Wash, a broad wash system flowing into Palo Verde Valley, is located northeast of the Project. Elevations range from 400 to 700 feet above mean sea level.

North of I-10, the Project Area lies along the bajada sloping out of the eastern side of the McCoy Mountains. The western portion of the solar plant site is dominated by gently undulating terrain, with many scattered, often broad, patches of largely unvegetated gravel desert pavement. The eastern part of the solar plant site is relatively flat and characterized by generally finer soils than to the west, although some patches of fine gravel- and coarse gravel-desert pavement are present. Both shrubby and arboreal washes cross the site, with sheet flow areas in the east.

The dominant plant community on the Project Area is characterized by associations (i.e., subsets) of the Creosote Bush-White Burr Sage (*Larrea tridentata-Ambrosia dumosa)* Scrub Alliance (after Sawyer, Keeler-Wolf and Evens [2009]). Dominant species include creosote bush, white burr sage (more commonly known as white bursage or burrobush), brittlebush (*Encelia farinosa*), and white rhatany (*Krameria bicolor*). However, even upland vegetation is most well developed in the drainages, undoubtedly because most of the available water is in the

drainages due to the low regional rainfall and substrate and soil quality. The shallow runnels and washes are dominated by these upland species, generally with big galleta grass (*Hilaria rigida*) and sometimes with wash-dependent shrub vegetation (desert lavender [*Hyptis emoryi*], catclaw acacia [*Senegalia* (= *Acacia*) *greggii*], Anderson boxthorn (*Lycium andersonii*), chuckwalla bush [*Bebbia juncea*], and white and/or little-leaf rhatany [*Krameria erecta*]) in those carrying more water. Blue Palo Verde-Ironwood (*Parkinsonia florida-Olneya tesota*) Woodland Alliance is present in the larger, ephemeral washes that cross the solar plant site, as well as along the linear facilities. Along the linear facilities south of I-10, soils are generally both fine and sandy; shallow sand sheets and dunes, interspersed with small, exposed basins, characterize the east-west segment of this part of the linear route.

With the exception of the initial construction on BSPP in 2011 (a 250-acre area near the center of the solar plant site and the access road north of Interstate 10 [I-10]), there is little disturbance of the Project Area. Adjacent to the solar plant site is a fallow field and an actively farmed citrus orchard. The Project is also located immediately south of the proposed McCoy Solar Energy Project (MSEP). The linear facilities cross I-10 and existing utilities adjacent to the freeway. An alternate linear route west of the BSPP circumvents a small World War II-era water catchment.

3.0 SURVEY METHODS

Prior to field surveys, a target list of special-status species that might be affected by the Project was developed (Table 1) based largely on a review of available literature and databases, especially the California Native Plant Society (CNPS), California Natural Diversity Data Base (CNDDB); Consortium of California Herbaria, and the results of regional surveys. Consultations with the resource agencies (Tetra Tech and Karl 2010) and local experts, as well as the inclusion of BLM Sensitive species from the Northern and Eastern Colorado (NECO) Plan (U.S. BLM and California Department of Fish and Game[1] [CDFG] 2002) also augmented the special species search list. All species were included in the target list if there was any chance that they might grow in the Project vicinity, even if they had never been observed at this elevation or in this area, or if the BSPP would represent a range extension. Herbaceous perennials that also grow in the spring and were surveyed in prior surveys (e.g., Utah cynanchum [*Funastrum utahense*]), as well as the woody and succulent perennials in Table 1 that are available for surveying at any time of year are not included in this report.

The Survey Area is defined as all areas that were surveyed in August/September 2012 for summer annual and herbaceous perennial plants, which include STA's 1,000-MW thermal solar plant site and linear facilities plus an alternate gen-tie route west of the proposed linear route (Figure 2). The linear routes ranged from 200 to 264 ft (60 to 80 m) wide. At the time the surveys were conducted, NextEra Blythe was still in the process of refining/reducing the Project footprint. To ensure that all potential areas within the Project footprint were captured, the entire STA project footprint (for the 1,000-MW thermal solar project) was surveyed.

[1] The California Department of Fish and Game changed its name to the California Department of Fish and Wildlife as of January 1, 2013. This document uses CDFG since it refers to documents and guidance prepared or provided by the agency prior to 2013.

Table 1. Special-status summer annual plants potentially occurring within the Blythe Solar Power Project

Species		Status[1]				Habitat	Blooming Time	Likelihood of Occurrence on the Project Site[2]
		Federal	State	CNDDB Rank	CNPS/ Other			
Abronia villosa var.*aurita*	Chaparral Sand Verbena	---	---	G5T3T4/S2	1B.1	Loose to aeolian sands; chaparral and coastal sage scrub; below 2,000 feet	January-September	Highly unlikely; not observed
Chamaesyce parryi	Parry's Spurge	---	---	G5/S1	2.3	Dunes an Aeolian soils in Mojavean Desert Scrub; in California, known only from Kelso; 1,300-2,400 feet	May-November	Highly unlikely due to limited range and not observed
Chamaesyce platysperma	Flat-seeded Spurge	BLM Sensitive	---	G3/S1	1B.2	Sandy flats and dunes in Sonoran Desert Scrub; below 350 feet	February-September	Unlikely - not observed
Cuscuta californica var. *apiculata*	Pointed Dodder	---	---	G5T3?/S2S3	3	Sonoran and Mojavean Desert Scrubs in San Bernardino County (one record in western Riverside County), to Nevada and Baja, California; 0 – 1,650 feet	February-September	Possible; not observed
Digitaria californica	Arizona Cottontop	---	---	G5T5?/S2	2.3	Rocky Sonoran and Mojavean Desert Scrubs; three consortium records in California; 950 to 4,900 feet	July-November	Highly unlikely due to rocky association; not observed
Ditaxis claryana	Glandular Ditaxis	---	---	G4G5/S1	2.2	Sandy flats in Mojavean and Sonoran Creosote Bush Scrubs in Imperial, San Bernardino, and Riverside counties; below 1,500 feet	Mostly December to May, rarely August-October	Possible; not observed
Ditaxis serrata var. *californica*	California Ditaxis	---	---	G5T2T3/S2	3.2	Sonoran Creosote Bush Scrub from 100 to 3,000 feet	All year	Possible; not observed
Euphorbia (=Chamaesyce) abramsiana	Abrams' Spurge	---	---	G4/S2/3[3]	2.2	Sandy sites in Mojavean and Sonoran Desert scrubs in eastern California; 0 to 3,000 feet	September-November	Observed on and off site in 2012 and on adjacent MSEP in 2011
Funastrum utahense	Utah vine milkweed	---	---	G4/S3.2	4.2	Sandy and gravelly areas in Mojavean and Sonoran Creosote Bush Scrub; 490 – 4,700 feet	Spring, Fall	Observed during 2012 surveys, but not recorded due to extensive mapping during previous surveys
Helianthus niveus tephrodes	Algodones Dunes Sunflower	---	E	G4T2/S2	1B.2	Desert dunes, especially Algodones Dunes	March-May, October-January	Highly unlikely; not observed
Horsfordia alata	Pink Velvet Mallow	---	---	G4/S3.3	4.3	Rocky areas in Sonoran Desert Scrub, 328-1,640 feet	December-April, although Consortium records are from January to December	Highly unlikely; not observed
Horsfordia newberryi	Newberry's Velvet-mallow	---	---	G4/S3.3	4.3	Mostly rocky canyons and toeslopes in Sonoran Desert Scrub; 10 – 2,650 feet	March-April and November-December	Possible - most Consortium records are spring; not observed
Hymenoxys odorata	Bitter Hymenoxys	---	---	G5/S2	2	Riparian scrub and Sonoran Desert Scrub,	February-May and	Unlikely because of species

Table 1. Special-status summer annual plants potentially occurring within the Blythe Solar Power Project

Species		Status[1]				Habitat	Blooming Time	Likelihood of Occurrence on the Project Site[2]
		Federal	State	CNDDB Rank	CNPS/ Other			
						sandy flats near Colorado River, known only from the Colorado River alluvial plain, 150- 495 feet	October-November	association with the Colorado River floodplain; not observed
Imperata brevifolia	California Satintail	---	---	G2/S2.1	2.1	Wet springs, meadows, and flood plains in Chaparral, Coastal Scrub, Mojavean Desert Scrub; 0 – 1,650 feet	September-May, but Consortium records are for entire year	Not present. No habitat and not observed
Physalis lobata	Lobed Ground Cherry	---	---	G5/S1.3?	2.3	Mojave Desert Scrub, playas, granitic soils, 1,640-2,625 feet	April-November	Not present – not observed. Also, all known locations well to north of Project and at higher elevations.
Portulaca halimoides	Desert Portulaca	---	---	G5/S3	4.2	Sandy areas and flats in Joshua tree woodland and desert mountains; 3,280-3,937 feet	April, August-October	Highly unlikely due to lack of habitat and elevational constraints; not observed
Proboscidea althaeifolia	Desert Unicorn Plant	---	---	G5/S3.3	4.3	Sandy areas in Sonoran Desert Scrub throughout southeastern California, below 3,300 feet.	(April-) May-August	Observed during 2012 surveys
Selaginella eremophila	Desert Spike Moss	---	---	G4/S2.2?	2.2	Shaded rocky habitats in the Sonoran Desert, to Arizona and northern Mexico; below 3,600 feet	December-April, July-October	Unlikely due to lack of habitat; not observed
Teucrium cubense depressum	Dwarf Germander	---	---	G4G5T3T4/S2	2.2	Sandy soils, washes, fields; below 1,300 feet	March-May, and September-November	Possible; not observed
Wislizenia refracta palmeri	Palmer's Jackass Clover	---	---	G5T2T4/S2?	2.2	Sandy washes and dunes in Sonoran Desert Scrub, to northwestern Mexico; potentially Mojave Desert (unverified); <430 feet.	March-November	Possible; not observed
Wislizenia refracta var. *refracta*	Jackass Clover	—	—	G5T5?/S1.2?	2.2	Sandy washes, roadsides, flats; 1,900 to 2,700 feet	April-December	Unlikely due to elevational constraints; not observed

Note: Other special-status species that grow only in late winter or spring, and woody species, were not included because they were surveyed in 2009 and 2010 (see EDAW AECOM 2009 and AECOM 2010).
Sources: Unless noted, information is from *The Jepson Manual* (Baldwin et al. 2002), California Native Plant Society (CNPS) Online Inventory (CNPS 2012), and the Jepson eFlora Project (http://ucjeps.berkeley.edu/IJM.html)
[1] Status:
BLM Sensitive: Species under review, rare, with limited geographic range or habitat associations, or declining. BLM policy is to provide the same level of protection as FWS candidate species
CNDDB 2012: CDFG Special Vascular Plants, Bryophytes, and Lichens List, October 2012 (www.dfg.ca.gov/biogeodata/cnddb/pdfs/SPPlants.pdf).

Global Rank:
G1 = Critically Imperiled
G2 = Imperiled
G3 = Vulnerable

State Rank:
S1 = Critically Imperiled
S2 = Imperiled
S3 = Vulnerable

Subspecies or Variety Rank and Other Symbols
T1-T5: same definition as global and state ranks, except that rank only applies to the particular variety or subspecies.
X: species is considered extirpated

Table 1. Special-status summer annual plants potentially occurring within the Blythe Solar Power Project

G4 = Apparently Secure S4 = Apparently Secure
G5 = Secure S5 = Secure

California Rare Plant Rank (CNPS 2012):

Rank 1A - Plants presumed extinct in California
Rank 1B - Plants rare and endangered in California and elsewhere
Rank 2 - Plants rare and endangered in California but more common elsewhere
Rank 3 -Plants about which CNPS needs more information
Rank 4 -Plants of limited distribution (Watch List)
(Note: California Rare Plant Rank 1 and 2 require CEQA consideration. List 3 and 4 plants that must be surveyed per the Northern and Eastern Colorado Desert Management Plan (BLM and CDFG 2002) were also included for surveying)

Threat Ranks:

0.1-Seriously threatened in California (high degree/immediacy of threat)
0.2-Fairly threatened in California (moderate degree/immediacy of threat)
0.3-Not very threatened in California (low degree/immediacy of threats or no current threats known)

[2] Because of the excellent germination and growth conditions for summer annual species in August/September 2012, larger species that were not observed were determined to be highly unlikely to be present if not observed. Small herbaceous species that were not observed could have been overlooked and therefore were not excluded from possibly being on the site.

[3] R. Bittmann (CNDDB), 06 December 2012 e-mail to E. Mix (TetraTech, Inc.).

Surveys were conducted according to COC BIO-19, and closely followed protocols that were reviewed and approved by the BLM, CDFG and the U.S. Fish and Wildlife Service (FWS) in 2010 for the MSEP (Tetra Tech and Karl 2010), located directly north of the BSPP. These protocols are consistent with the CDFG *Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities* (CDFG 2009). They are also consistent with BLM's *Survey Protocols Required for NEPA and ESA Compliance for BLM Special Status Plant Species* (BLM 2009) for an intuitive controlled survey, wherein a full survey is completed (i.e., 100 percent visual examination) in habitats with the highest potential for rare plants, with sampling in the remaining areas. To this end, surveys focused on swales, washes, runnels, rocky outcrops, and dunes because of the affinity of the herbaceous species in Table 1 for those habitats and because areas where rainfall collects have the greatest potential for germination of most species. To achieve this focus and optimize sampling, the Survey Area was divided into smaller sampling units and into the following survey categories:

- Full coverage (transects spaced no farther than 10 meters apart, covering 100 percent of the possible habitat) in the areas where the interdigitating mosaic of washes and runnels was too complex to survey less than 100 percent. This comprised approximately 75 percent of the solar plant site and 100 percent of the linear routes. Transects were pre-programmed into Global Positioning System (GPS) units to ensure accurate and complete site coverage. Survey teams were generally limited to three people to minimize the searching and focus inefficiencies that are common with larger teams.

- In the west, where intermittent drainages crossed broad sparse areas, full coverage in all vegetated drainages, from small runnels to larger washes, with sampling in the interfluves.

Surveys were conducted when plants were in optimum condition for identification (with flowers and/or fruits, leaves, and actively growing). The Blythe Airport weather station reported above-average precipitation for July and considerable rainfall for August 2012 (Table 2). The storms in July included a series of storms from July 12 to 15 that rained more than an inch and an intense monsoon on July 30-31 that recorded 0.38 inches of rain at Blythe Airport (National Oceanic and Atmospheric Administration [NOAA] 2012). The July and August rain events resulted in widespread germination and growth of summer species. The biological lead timed surveys to capture germination resulting from the several July storms, after assessing plant vigor and phenology in the field. Surveys were then further chronologically prioritized in the Survey Area to insure that the areas/habitats that could host special-status plants were surveyed at the appropriate phenological time, when those species were available for identification. Surveys were conducted from August 23 through September 2, 2012. A qualified botanical team, with substantial experience in the area (Appendix A), conducted the surveys.

Table 2. 2012 Monthly precipitation data (in inches), Blythe, CA airport (Source: Western Regional Climate Center 2012)

YEAR	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sept	Oct	Nov	Dec	Annual
2012	0.00	0.01	0.19	0.14	0.00	0.00	1.88	1.05	0.07	0.27*	TBD	TBD	TBD
Average 1948-2012	0.48	0.44	0.35	0.15	0.02	0.02	0.28	0.60	0.34	0.26	0.19	0.41	3.55

TBD: To Be Determined – Data not currently available for these months
* 7 days missing from total

Surveyors targeted every special-status plant that could be reasonably expected to occur, but employed a comprehensive floristic survey approach, identifying all plants observed to ensure that unexpected special-status plants were also found. Surveyors were very experienced with plant species in the arid southwest, but were also equipped with plant descriptions, keys to identify plants to the subspecies level, and pictures of each special-status plant species with the potential to occur within the Survey Area. All species observed were identified microscopically using relevant publications (e.g., Baldwin et al. 2002, Felger 2000, Jepson eFlora 2012); special-status species were photographed and vouchered. Surveyors described and mapped all populations of special-status plant species (except as noted above). Populations were recorded using GPS units, and population size, associated biotic and abiotic features, phenology, plant size (vigor), and threats to the population were noted.

Prior to conducting surveys, surveyors reviewed the target species (descriptions, photographs of live or herbarium specimens, microhabitat associations) to enhance search images of plants and microhabitats and determine distinctions among similar genera. Reference populations of Abrams' spurge (*Euphorbia* (=*Chamaesyce*) *abramsiana*) were visited to refresh search images and because known populations were close. For the other fall-growing species, either no reference populations were reasonably close and/or the species were highly unlikely due to lack of habitat or geographic range. However, the surveyors were already very familiar with many from studying them elsewhere and/or reviewing distant reference populations for the MSEP survey the year prior.

Surveyors were also instructed to record any recent desert tortoise (*Gopherus agassizii;* state and federally listed as Threatened) sign - individuals, scat, and tracks – as well as observations of other special-status wildlife.

4.0 SURVEY RESULTS AND DISCUSSION

Surveyors did not find any federally or state-threatened, endangered, or candidate plant species during surveys. However, surveyors did observe populations of two CNDDB Ranked and CNPS California Rare Plant Ranked species within the Survey Area: Abrams' spurge and desert unicorn plant (*Proboscidea althaeifolia).* Observations are presented as CNDDB Occurrences on Figures 3A and 3B with an estimation of the extent of the population to a mile from the Project. Population extents were estimated based on habitat (e.g., drainages and drainage patterns), as well as available data from previous surveys in the surrounding areas (AECOM 2010, Tetra Tech and Karl 2011b). A comprehensive table of observations with corresponding figures is presented in Appendix B. A comprehensive list of plants observed during surveys is in Appendix C. Copies of the completed and submitted CNDDB forms for each species are in Appendix D.

4.1 Abrams' Spurge (CNPS California Rare Plant Rank 2.2; CNDDB G4/S2S3)

This member of the Euphorbiaceae family is an annual herb native to California, Arizona, and Mexico at elevations ranging between sea level and 915 feet; it has been documented in Imperial, Riverside, San Bernardino, and San Diego Counties (CNPS 2012). This species blooms in response to warm summer rains and, while it is reported to be found in creosote bush scrub in sandy soils (CNPS 2012), it was consistently found in fine, often compacted, soils with low sand composition that hold moisture.

Abrams' spurge (photo A. Karl)

Abrams' spurge was found within and outside of the Survey Area during the August/September 2012 surveys. There were 2,270+ plants within the Survey Area; 2,185+ plants in the northwest quarter of the solar plant site and 85+ plants along the linear facilities south of I-10. The plants in the solar plant site are part of a population that extends north beyond the Project boundary for at least two miles (Tetra Tech and Karl 2011b). An additional 14,000+ plants were found outside the Project directly north of Black Rock Road, an existing graveled road that fronts I-10 and provides access to the Project. Plants were found almost exclusively in shallow depressions and runnels.

Although widespread in southern Arizona and northwestern Sonora, Mexico (Felger 2000), few locations for Abrams' spurge had been documented in California prior to the Fall 2011. Large-scale surveys on several solar projects in 2011 and 2012 (e.g., MSEP, BSPP, Rio Mesa Solar Electric Generating Facility), plus a California range-wide search in 2011 and 2012 supported by McCoy Solar, LLC, demonstrated that this species is far more common than earlier believed. With increased sampling in both 2011 and 2012, the number of publicly documented occurrences of *C. abramsiana* increased from 16 to 74. The results from these extensive and intensive surveys during two years of high germination and growth strongly suggest that this species has been undersampled in California in the past. This discussion, as well as further analyses of Abrams' spurge, can be found in Karl (2013).

4.2 Desert Unicorn Plant (CNPS California Rare Plant Rank 4.3; CNDDB G5/S3.3)

This perennial herb in the family Martyniaceae grows on alluvial sands in Sonoran Desert scrub habitat at elevations below 3,300 feet (Baldwin et al. 2002). Desert unicorn plant has a fleshy root system that can remain dormant in dry years. Although it typically grows and flowers between July and September after substantial summer rains, a few individuals have aboveground growth in spring. Fruits (seed pods) from the previous year are large and moderately visible throughout the year.

This species was common throughout the Survey Area except in the far western portion of the solar plant site and the loose sandy areas south of I-10. Surveyors observed 1,687 plants within the Survey Area, primarily in runnels and swales that held water for a short time. The

observations are likely part of one population within the same watershed that extends to the north for at least two miles (Tetra Tech and Karl 2011b); plants are expected to occur in suitable habitat in the vicinity of the Project (Figure 3A and 3B). The consistency of plants in appropriate swales was also observed elsewhere in the region, including the Genesis Solar Energy Project (Tetra Tech and Karl 2010) and McCoy Solar Energy Project (Tetra Tech and Karl 2011a, 2011b).

Desert unicorn plant in flower (Photo E. Mix)

As a CNPS Rare Plant Rank 4, desert unicorn plant requires CEQA consideration if the population has local or regional significance (CDFG 2009). Based on the abundance and distribution within the BSPP and nearby project areas, the BSPP population is not considered locally or regionally significant.

4.3 Incidental Wildlife

No recent desert tortoise sign or special-status species was observed during surveys.

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FIGURES

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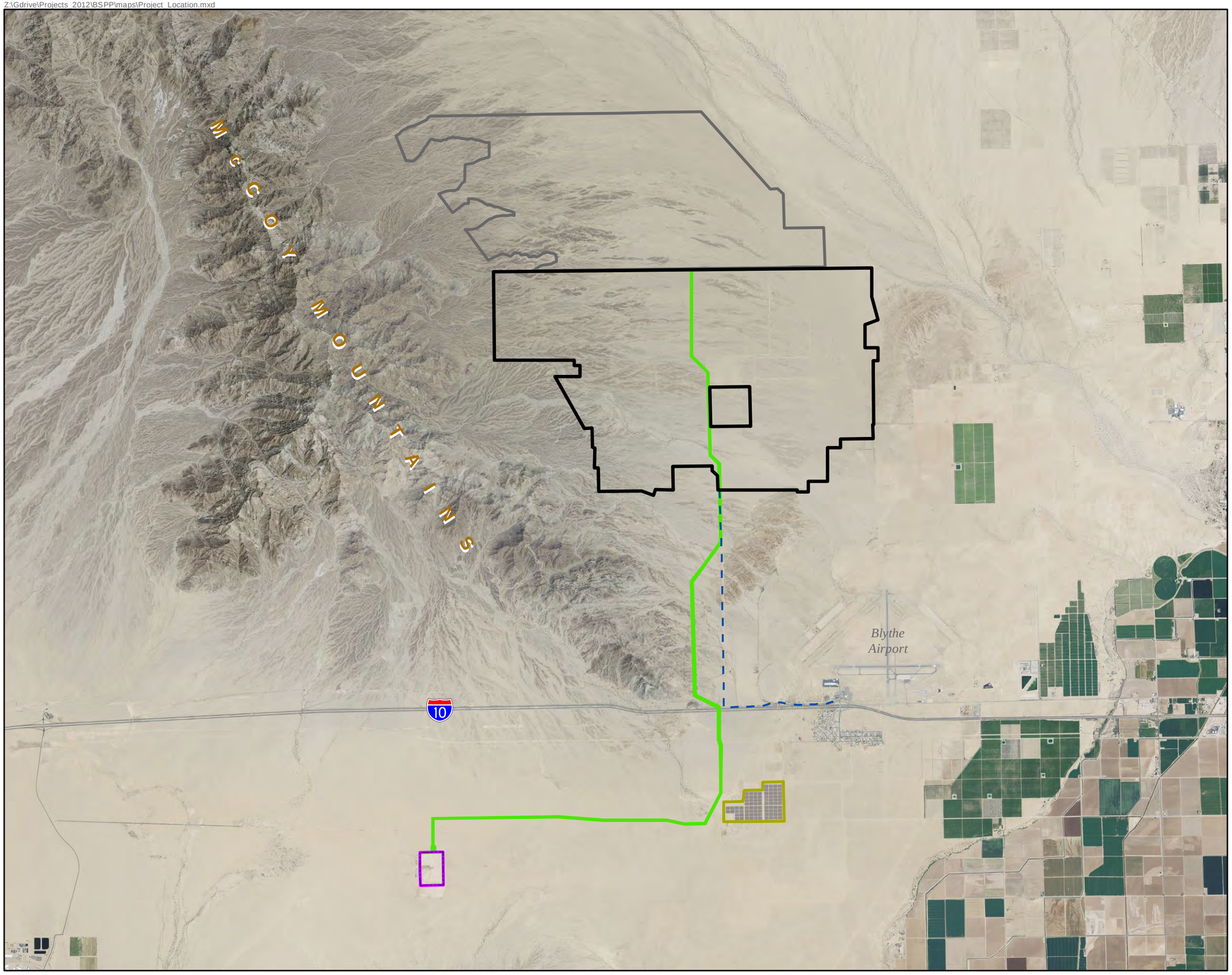
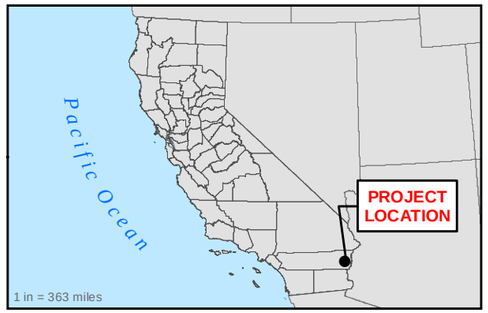


BLYTHE SOLAR POWER PROJECT RIVERSIDE COUNTY, CA



Legend

- Blythe Solar Power Project Requested ROW (STA's 1,000-MW Footprint)
- MSEP Solar Plant Site
- PV Solar Facility
- Linear Corridor
- Access Road Shared with Other Solar Projects
- SCE Colorado River Substation

N

0 2,500 5,000 10,000
Feet

Notes:
(a) UTM Zone 11, NAD 1983 Projection.
(b) Source data: ESRI, USGS, TTEC

FIGURE 1
PROJECT LOCATION

TETRA TECH

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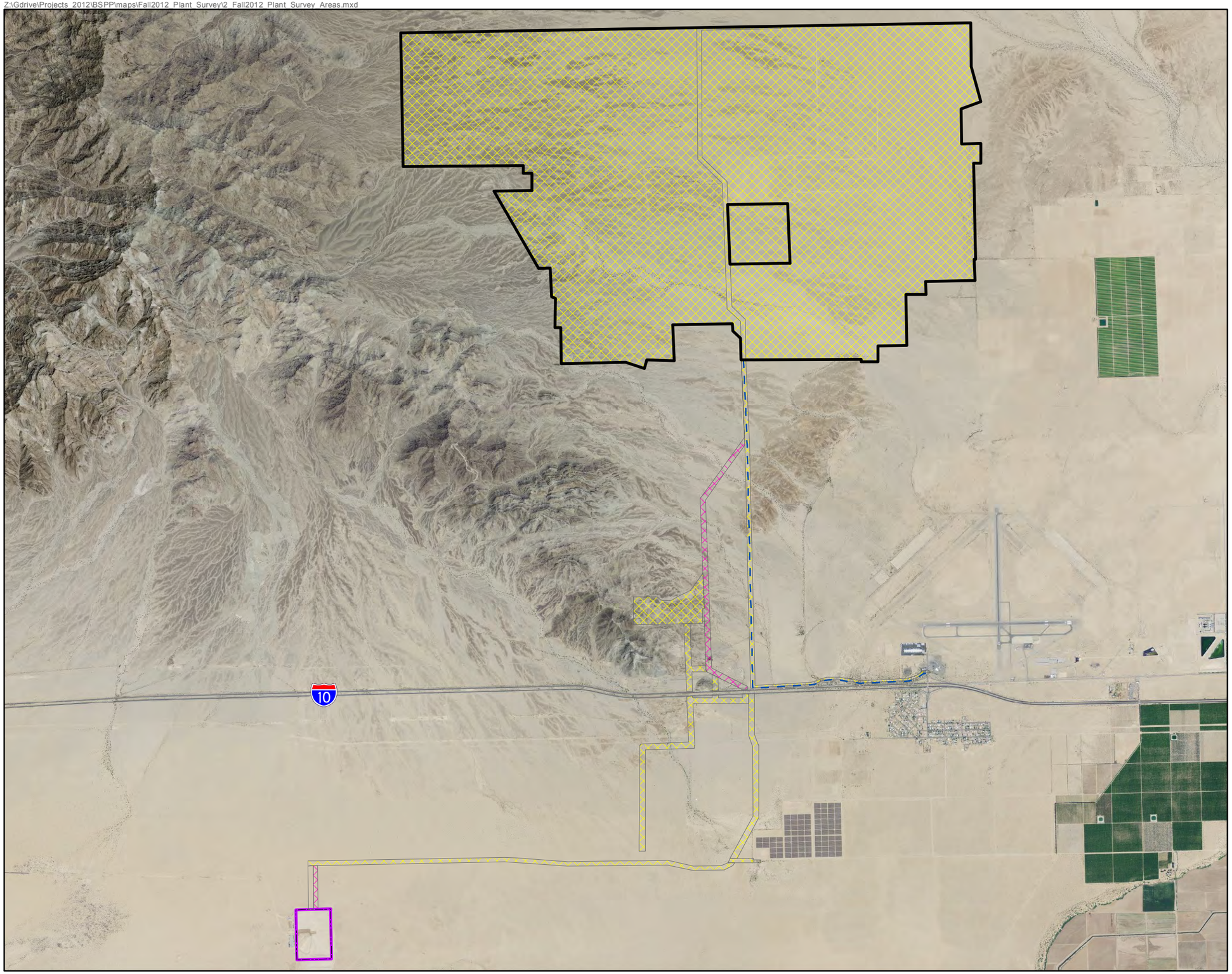

BLYTHE SOLAR POWER PROJECT RIVERSIDE COUNTY, CA

Legend

- Blythe Solar Power Project ROW Boundary (STA's 1,000-MW Footprint)
- Linear Corridor
- Access Road Shared with Other Solar Projects
- SCE Colorado River Substation
- Linear Corridor Survey Area
- Linear Corridor Survey Area in Fall 2011 for MSEP

N

0 2,500 5,000 10,000
Feet

Notes:
(a) UTM Zone 11, NAD 1983 Projection.
(b) Source data: USDA, TTEC

FIGURE 2
SPECIAL-STATUS
SUMMER ANNUAL PLANT SURVEY AREA
AUGUST/SEPTEMBER 2012

TETRA TECH

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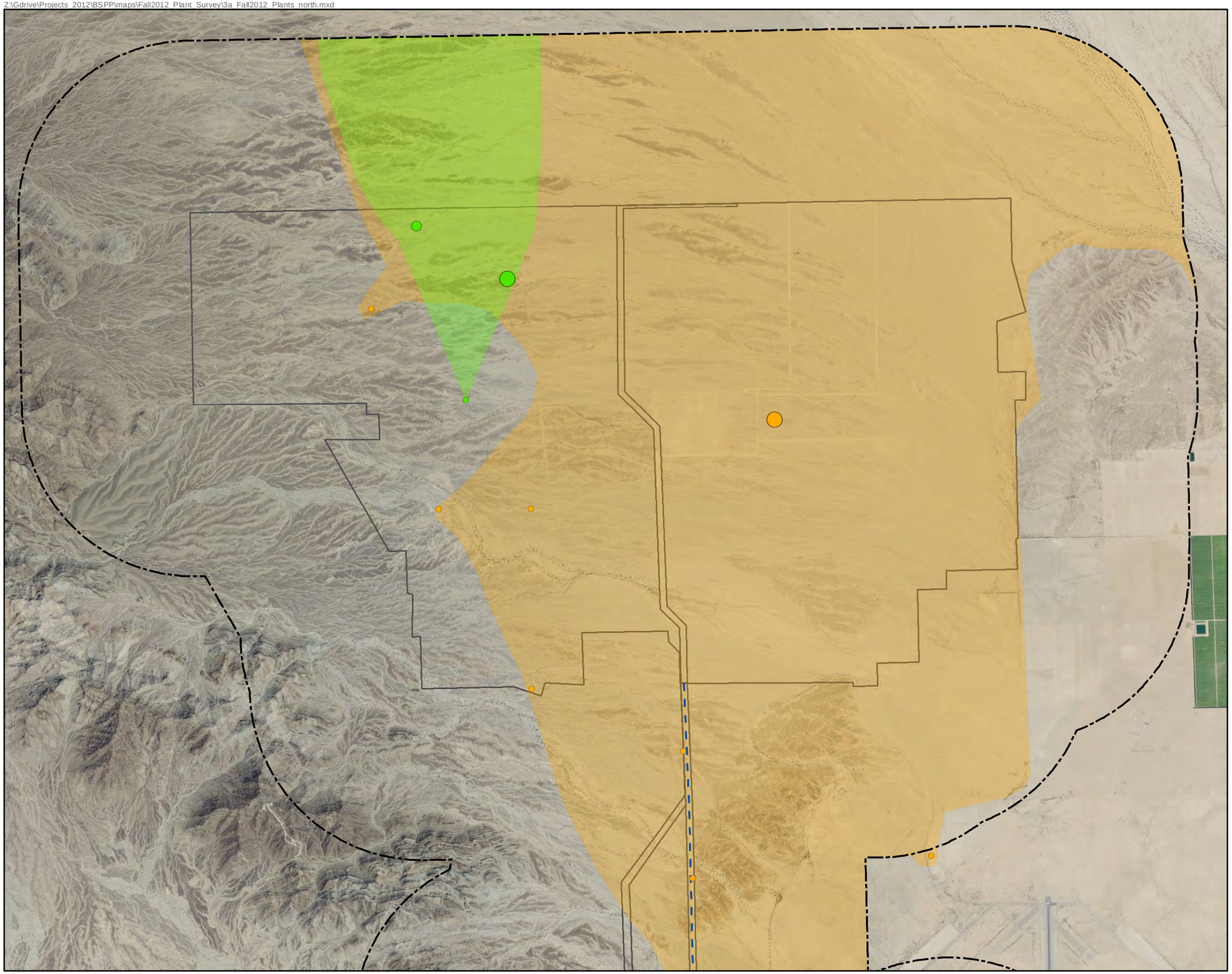

BLYTHE SOLAR POWER PROJECT RIVERSIDE COUNTY, CA

Legend

Survey Area

Survey Area 1-mile Buffer

Access Road Shared with Other Solar Projects

Plant Species

- Abrams' Spurge
- Desert Unicorn Plant

Occurrence (as defined by CNDDB) Size

- <25 Plants
- 25-100 Plants
- 101-500 Plants
- 501-1,000 Plants
- >1,000 Plants

Extent of Recorded Observations and Estimated Populations

- Abrams' Spurge
- Desert Unicorn Plant

0 1,250 2,500 5,000

Feet

Notes:

(a) UTM Zone 11, NAD 1983 Projection.

(b) Source data: USDA, Tetra Tech, A. Karl 2011

FIGURE 3A
CNDDB OCCURRENCES
AUGUST/SEPTEMBER 2012

TETRA TECH

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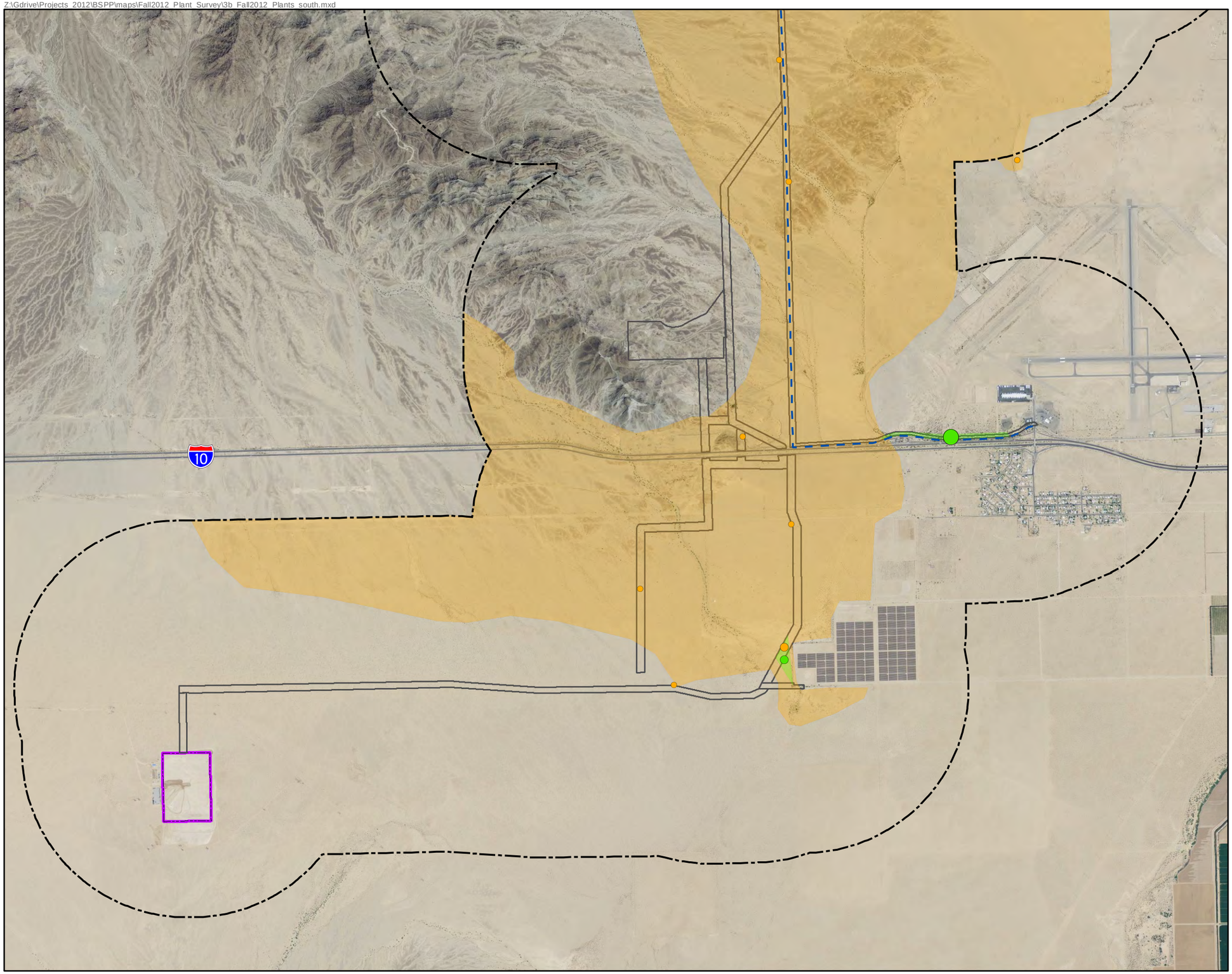

BLYTHE SOLAR POWER PROJECT RIVERSIDE COUNTY, CA

Legend

- Survey Area
- Survey Area 1-mile Buffer
- Access Road Shared with Other Solar Projects
- SCE Colorado River Substation

Plant Species

- Abrams' Spurge
- Desert Unicorn Plant

Occurrence (as defined by CNDDB) Size

- <25 Plants
- 25-100 Plants
- 101-500 Plants
- 501-1,000 Plants
- >1,000 Plants

Extent of Recorded Observations and Estimated Populations

- Abrams' Spurge
- Desert Unicorn Plant

0 1,250 2,500 5,000
Feet

Notes:
(a) UTM Zone 11, NAD 1983 Projection.
(b) Source data: USDA, Tetra Tech, A. Karl 2011

FIGURE 3B
CNDDB OCCURRENCES
AUGUST/SEPTEMBER 2012,
LINEAR FACILITIES

TETRA TECH

APPENDIX A
August-September 2012 Survey Crew

Field Biologists
Marc Baker, Ph.D.
Kyle Christie
Michelle Cloud Hughes
Paul Frank
Tasya Herskovits
Adam Hamburg
Michael Honer
Neal Kramer
Alice Karl, Ph.D.*
Wendy McBride
Emily Mix *
Suzanne Rhodes
Glenn Rink
Gina Robinson
Kanan Routson
Art Schaub
Tim Thomas

*Report Preparers

APPENDIX B

Comprehensive August 2012 Special-status Plant Survey Results

Number Corresponds to Appendix B Figures	UTM (NAD 83)		Species		Population Size (Number of Plants or Abundance)	Area (square meters)
	Easting	Northing				
2	705543	3729819	*Euphorbia (=Chamaesyce)*	Abrams' spurge	33	300
4	705682	3729844	*Euphorbia (=Chamaesyce)*	Abrams' spurge	10	189
5	705707	3729671	*Euphorbia (=Chamaesyce)*	Abrams' spurge	19	10
7	705899	3729866	*Euphorbia (=Chamaesyce)*	Abrams' spurge	10	100
10	706025	3729917	*Euphorbia (=Chamaesyce)*	Abrams' spurge	42	550
14	706201	3729957	*Euphorbia (=Chamaesyce)*	Abrams' spurge	4	5
16	706337	3728184	*Euphorbia (=Chamaesyce)*	Abrams' spurge	2	1
22	706648	3729335	*Euphorbia (=Chamaesyce)*	Abrams' spurge	> 2000	170 (linear)
24	706802	3729312	*Euphorbia (=Chamaesyce)*	Abrams' spurge	65	80 (linear)
105	708331	3719063	*Euphorbia (=Chamaesyce)*	Abrams' spurge	> 50	70
118	708447	3719276	*Euphorbia (=Chamaesyce)*	Abrams' spurge	> 35	200
129	708501	3718801	*Euphorbia (=Chamaesyce)*	Abrams' spurge	1	1
231	709351	3721199	*Euphorbia (=Chamaesyce)*	Abrams' spurge	430	250
246	709510	3721238	*Euphorbia (=Chamaesyce)*	Abrams' spurge	35	80
265	709695	3721251	*Euphorbia (=Chamaesyce)*	Abrams' spurge	> 1500	2.5 ha
284	709885	3721200	*Euphorbia (=Chamaesyce)*	Abrams' spurge	> 5,000	
341	710342	3721222	*Euphorbia (=Chamaesyce)*	Abrams' spurge	> 3,000	
364	710617	3721241	*Euphorbia (=Chamaesyce)*	Abrams' spurge	> 4,000	
1	705335	3729007	*Proboscidea althaeifolia*	desert unicorn plant	1	1
3	705598	3729068	*Proboscidea althaeifolia*	desert unicorn plant	1	1
6	705744	3729687	*Proboscidea althaeifolia*	desert unicorn plant	3	70
8	705946	3729753	*Proboscidea althaeifolia*	desert unicorn plant	4	90
9	705995	3729883	*Proboscidea althaeifolia*	desert unicorn plant	6	145

Number Corresponds to Appendix B Figures	UTM (NAD 83)		Species		Population Size (Number of Plants or Abundance)	Area (square meters)
	Easting	Northing				
11	706067	3729968	*Proboscidea althaeifolia*	desert unicorn plant	3	15
12	706078	3727161	*Proboscidea althaeifolia*	desert unicorn plant	1	1
13	706162	3729827	*Proboscidea althaeifolia*	desert unicorn plant	2	25
15	706222	3729845	*Proboscidea althaeifolia*	desert unicorn plant	3	4
17	706388	3729784	*Proboscidea althaeifolia*	desert unicorn plant	4	70
18	706453	3729850	*Proboscidea althaeifolia*	desert unicorn plant	2	4
19	706566	3729321	*Proboscidea althaeifolia*	desert unicorn plant	3	5
20	706634	3729018	*Proboscidea althaeifolia*	desert unicorn plant	4	75
21	706640	3729898	*Proboscidea althaeifolia*	desert unicorn plant	1	1
23	706734	3729869	*Proboscidea althaeifolia*	desert unicorn plant	1	1
25	706832	3729053	*Proboscidea althaeifolia*	desert unicorn plant	3	60
26	706849	3729844	*Proboscidea althaeifolia*	desert unicorn plant	2	20
27	706861	3729629	*Proboscidea althaeifolia*	desert unicorn plant	2	10
28	706881	3729268	*Proboscidea althaeifolia*	desert unicorn plant	4	30
29	706923	3729471	*Proboscidea althaeifolia*	desert unicorn plant	3	10
30	706942	3727168	*Proboscidea althaeifolia*	desert unicorn plant	6	50 (linear)
31	706952	3725477	*Proboscidea althaeifolia*	desert unicorn plant	1	1
32	706980	3728583	*Proboscidea althaeifolia*	desert unicorn plant	1	1
33	706983	3728117	*Proboscidea althaeifolia*	desert unicorn plant	1	1
34	706991	3719870	*Proboscidea althaeifolia*	desert unicorn plant	4	60
35	707000	3719393	*Proboscidea althaeifolia*	desert unicorn plant	2	5
36	707037	3719598	*Proboscidea althaeifolia*	desert unicorn plant	2	10
37	707043	3720226	*Proboscidea althaeifolia*	desert unicorn plant	1	1

Number Corresponds to Appendix B Figures	UTM (NAD 83)		Species		Population Size (Number of Plants or Abundance)	Area (square meters)
	Easting	Northing				
38	707067	3729868	*Proboscidea althaeifolia*	desert unicorn plant	2	1
39	707071	3728885	*Proboscidea althaeifolia*	desert unicorn plant	1	1
40	707212	3729500	*Proboscidea althaeifolia*	desert unicorn plant	1	1
41	707217	3728920	*Proboscidea althaeifolia*	desert unicorn plant	6	500
42	707223	3729056	*Proboscidea althaeifolia*	desert unicorn plant	1	1
43	707273	3728120	*Proboscidea althaeifolia*	desert unicorn plant	1	1
44	707282	3726485	*Proboscidea althaeifolia*	desert unicorn plant	1	1
45	707297	3729613	*Proboscidea althaeifolia*	desert unicorn plant	1	1
46	707338	3718791	*Proboscidea althaeifolia*	desert unicorn plant	5	10
47	707410	3726291	*Proboscidea althaeifolia*	desert unicorn plant	1	1
48	707415	3727715	*Proboscidea althaeifolia*	desert unicorn plant	1	1
49	707432	3729509	*Proboscidea althaeifolia*	desert unicorn plant	2	1
50	707451	3727133	*Proboscidea althaeifolia*	desert unicorn plant	1	1
51	707527	3729872	*Proboscidea althaeifolia*	desert unicorn plant	4	1
52	707538	3729020	*Proboscidea althaeifolia*	desert unicorn plant	3	5
53	707538	3728756	*Proboscidea althaeifolia*	desert unicorn plant	3	20
54	707562	3727328	*Proboscidea althaeifolia*	desert unicorn plant	28	210
55	707575	3727977	*Proboscidea althaeifolia*	desert unicorn plant	2	80
56	707611	3730009	*Proboscidea althaeifolia*	desert unicorn plant	1	1
57	707617	3729516	*Proboscidea althaeifolia*	desert unicorn plant	1	1
58	707631	3728687	*Proboscidea althaeifolia*	desert unicorn plant	1	1
59	707651	3728346	*Proboscidea althaeifolia*	desert unicorn plant	1	1
60	707653	3728970	*Proboscidea althaeifolia*	desert unicorn plant	6	70 (linear)

Number Corresponds to Appendix B Figures	UTM (NAD 83)		Species		Population Size (Number of Plants or Abundance)	Area (square meters)
	Easting	Northing				
61	707729	3726125	*Proboscidea althaeifolia*	desert unicorn plant	1	1
62	707747	3727890	*Proboscidea althaeifolia*	desert unicorn plant	2	2
63	707795	3728788	*Proboscidea althaeifolia*	desert unicorn plant	12	200
64	707803	3729350	*Proboscidea althaeifolia*	desert unicorn plant	3	75
65	707828	3728983	*Proboscidea althaeifolia*	desert unicorn plant	1	1
66	707829	3729502	*Proboscidea althaeifolia*	desert unicorn plant	1	1
67	707838	3727905	*Proboscidea althaeifolia*	desert unicorn plant	1	1
68	707865	3726757	*Proboscidea althaeifolia*	desert unicorn plant	1	1
69	707873	3729131	*Proboscidea althaeifolia*	desert unicorn plant	5	20
70	707892	3726097	*Proboscidea althaeifolia*	desert unicorn plant	4	10
71	707920	3729445	*Proboscidea althaeifolia*	desert unicorn plant	1	1
72	707933	3728737	*Proboscidea althaeifolia*	desert unicorn plant	1	1
73	707939	3728834	*Proboscidea althaeifolia*	desert unicorn plant	1	1
74	707943	3727406	*Proboscidea althaeifolia*	desert unicorn plant	53	290
75	707971	3727603	*Proboscidea althaeifolia*	desert unicorn plant	5	10
76	707990	3727627	*Proboscidea althaeifolia*	desert unicorn plant	1	1
77	708013	3721159	*Proboscidea althaeifolia*	desert unicorn plant	16	175
78	708013	3721269	*Proboscidea althaeifolia*	desert unicorn plant	1	1
79	708042	3726722	*Proboscidea althaeifolia*	desert unicorn plant	13	not noted
80	708044	3727885	*Proboscidea althaeifolia*	desert unicorn plant	2	30
81	708048	3726086	*Proboscidea althaeifolia*	desert unicorn plant	9	85
82	708049	3728232	*Proboscidea althaeifolia*	desert unicorn plant	1	1
83	708055	3728038	*Proboscidea althaeifolia*	desert unicorn plant	2	15

Number Corresponds to Appendix B Figures	UTM (NAD 83)		Species		Population Size (Number of Plants or Abundance)	Area (square meters)
	Easting	Northing				
84	708083	3728959	*Proboscidea althaeifolia*	desert unicorn plant	2	30
85	708097	3729405	*Proboscidea althaeifolia*	desert unicorn plant	2	50
86	708099	3729267	*Proboscidea althaeifolia*	desert unicorn plant	1	1
87	708099	3726848	*Proboscidea althaeifolia*	desert unicorn plant	17	90 (linear)
88	708116	3727996	*Proboscidea althaeifolia*	desert unicorn plant	3	60
89	708133	3728800	*Proboscidea althaeifolia*	desert unicorn plant	2	35
90	708167	3727515	*Proboscidea althaeifolia*	desert unicorn plant	2	1
91	708172	3727736	*Proboscidea althaeifolia*	desert unicorn plant	12	320
92	708174	3727322	*Proboscidea althaeifolia*	desert unicorn plant	20	100
93	708182	3728336	*Proboscidea althaeifolia*	desert unicorn plant	1	1
94	708197	3726902	*Proboscidea althaeifolia*	desert unicorn plant	20	134 (linear)
95	708219	3726263	*Proboscidea althaeifolia*	desert unicorn plant	1	1
96	708222	3726365	*Proboscidea althaeifolia*	desert unicorn plant	1	1
97	708226	3729437	*Proboscidea althaeifolia*	desert unicorn plant	1	1
98	708256	3726775	*Proboscidea althaeifolia*	desert unicorn plant	4	86
99	708270	3727826	*Proboscidea althaeifolia*	desert unicorn plant	16	174
100	708288	3729844	*Proboscidea althaeifolia*	desert unicorn plant	3	1
101	708291	3726992	*Proboscidea althaeifolia*	desert unicorn plant	7	100
102	708312	3728454	*Proboscidea althaeifolia*	desert unicorn plant	1	1
103	708314	3726720	*Proboscidea althaeifolia*	desert unicorn plant	4	50 (linear)
104	708320	3718961	*Proboscidea althaeifolia*	desert unicorn plant	13	50
106	708342	3729496	*Proboscidea althaeifolia*	desert unicorn plant	1	1
107	708348	3729311	*Proboscidea althaeifolia*	desert unicorn plant	1	1

Number Corresponds to Appendix B Figures	UTM (NAD 83)		Species		Population Size (Number of Plants or Abundance)	Area (square meters)
	Easting	Northing				
108	708350	3719051	*Proboscidea althaeifolia*	desert unicorn plant	1	1
109	708358	3727470	*Proboscidea althaeifolia*	desert unicorn plant	8	250 x100
110	708370	3724897	*Proboscidea althaeifolia*	desert unicorn plant	1	1
111	708381	3727231	*Proboscidea althaeifolia*	desert unicorn plant	3	5
112	708396	3726912	*Proboscidea althaeifolia*	desert unicorn plant	4	150 (linear)
113	708437	3729033	*Proboscidea althaeifolia*	desert unicorn plant	4	100
114	708442	3719158	*Proboscidea althaeifolia*	desert unicorn plant	1	1
115	708445	3728498	*Proboscidea althaeifolia*	desert unicorn plant	12	130 (linear)
116	708447	3723930	*Proboscidea althaeifolia*	desert unicorn plant	1	1
117	708447	3727902	*Proboscidea althaeifolia*	desert unicorn plant	5	120
119	708451	3723541	*Proboscidea althaeifolia*	desert unicorn plant	5	91
120	708456	3728709	*Proboscidea althaeifolia*	desert unicorn plant	1	1
121	708457	3729568	*Proboscidea althaeifolia*	desert unicorn plant	1	1
122	708461	3723707	*Proboscidea althaeifolia*	desert unicorn plant	2	65
123	708476	3729296	*Proboscidea althaeifolia*	desert unicorn plant	4	1
124	708476	3727070	*Proboscidea althaeifolia*	desert unicorn plant	1	1
125	708486	3720364	*Proboscidea althaeifolia*	desert unicorn plant	1	1
126	708490	3726976	*Proboscidea althaeifolia*	desert unicorn plant	6	3 x 8
127	708494	3727767	*Proboscidea althaeifolia*	desert unicorn plant	15	150
128	708499	3718815	*Proboscidea althaeifolia*	desert unicorn plant	22	25
130	708510	3719509	*Proboscidea althaeifolia*	desert unicorn plant	5	50
131	708517	3726861	*Proboscidea althaeifolia*	desert unicorn plant	18	130 (linear)
132	708527	3727392	*Proboscidea althaeifolia*	desert unicorn plant	4	10

Number Corresponds to Appendix B Figures	UTM (NAD 83)		Species		Population Size (Number of Plants or Abundance)	Area (square meters)
	Easting	Northing				
133	708536	3726109	*Proboscidea althaeifolia*	desert unicorn plant	1	1
134	708540	3726305	*Proboscidea althaeifolia*	desert unicorn plant	2	100
135	708555	3727253	*Proboscidea althaeifolia*	desert unicorn plant	14	50
136	708556	3729479	*Proboscidea althaeifolia*	desert unicorn plant	2	5
137	708557	3729513	*Proboscidea althaeifolia*	desert unicorn plant	1	1
138	708564	3726734	*Proboscidea althaeifolia*	desert unicorn plant	5	100 (linear)
139	708565	3725768	*Proboscidea althaeifolia*	desert unicorn plant	1	1
140	708592	3729740	*Proboscidea althaeifolia*	desert unicorn plant	6	18
141	708597	3729506	*Proboscidea althaeifolia*	desert unicorn plant	15	65
142	708598	3729388	*Proboscidea althaeifolia*	desert unicorn plant	2	55
143	708599	3728849	*Proboscidea althaeifolia*	desert unicorn plant	7	25
144	708605	3727496	*Proboscidea althaeifolia*	desert unicorn plant	4	20 x 300
145	708621	3725838	*Proboscidea althaeifolia*	desert unicorn plant	1	1
146	708629	3728564	*Proboscidea althaeifolia*	desert unicorn plant	4	100
147	708631	3727040	*Proboscidea althaeifolia*	desert unicorn plant	1	1
148	708636	3727859	*Proboscidea althaeifolia*	desert unicorn plant	3	80
149	708641	3729313	*Proboscidea althaeifolia*	desert unicorn plant	5	60
150	708641	3726791	*Proboscidea althaeifolia*	desert unicorn plant	6	140 (linear)
151	708644	3727514	*Proboscidea althaeifolia*	desert unicorn plant	6	137 x 115
152	708661	3728939	*Proboscidea althaeifolia*	desert unicorn plant	6	90
153	708676	3728274	*Proboscidea althaeifolia*	desert unicorn plant	5	2
154	708682	3729787	*Proboscidea althaeifolia*	desert unicorn plant	8	100
155	708720	3728768	*Proboscidea althaeifolia*	desert unicorn plant	2	13

Number Corresponds to Appendix B Figures	UTM (NAD 83)		Species		Population Size (Number of Plants or Abundance)	Area (square meters)
	Easting	Northing				
156	708730	3725820	*Proboscidea althaeifolia*	desert unicorn plant	1	1
157	708733	3726079	*Proboscidea althaeifolia*	desert unicorn plant	1	1
158	708751	3729406	*Proboscidea althaeifolia*	desert unicorn plant	3	4
159	708753	3727197	*Proboscidea althaeifolia*	desert unicorn plant	38	70
160	708756	3729076	*Proboscidea althaeifolia*	desert unicorn plant	1	1
161	708762	3729458	*Proboscidea althaeifolia*	desert unicorn plant	10	67
162	708763	3728241	*Proboscidea althaeifolia*	desert unicorn plant	5	1
163	708765	3727303	*Proboscidea althaeifolia*	desert unicorn plant	11	130 x 100
164	708772	3729678	*Proboscidea althaeifolia*	desert unicorn plant	7	32
165	708798	3727748	*Proboscidea althaeifolia*	desert unicorn plant	20	170
166	708800	3728382	*Proboscidea althaeifolia*	desert unicorn plant	1	1
167	708800	3725936	*Proboscidea althaeifolia*	desert unicorn plant	2	125
168	708816	3728892	*Proboscidea althaeifolia*	desert unicorn plant	12	500
169	708822	3727596	*Proboscidea althaeifolia*	desert unicorn plant	3	30
170	708832	3726614	*Proboscidea althaeifolia*	desert unicorn plant	3	12
171	708846	3729831	*Proboscidea althaeifolia*	desert unicorn plant	2	2
172	708852	3728086	*Proboscidea althaeifolia*	desert unicorn plant	3	1
173	708856	3728479	*Proboscidea althaeifolia*	desert unicorn plant	3	1
174	708866	3729610	*Proboscidea althaeifolia*	desert unicorn plant	2	10
175	708871	3728211	*Proboscidea althaeifolia*	desert unicorn plant	2	2
176	708891	3727834	*Proboscidea althaeifolia*	desert unicorn plant	2	100
177	708905	3727741	*Proboscidea althaeifolia*	desert unicorn plant	2	20
178	708905	3727041	*Proboscidea althaeifolia*	desert unicorn plant	2	25

Number Corresponds to Appendix B Figures	UTM (NAD 83)		Species		Population Size (Number of Plants or Abundance)	Area (square meters)
	Easting	Northing				
179	708906	3726224	*Proboscidea althaeifolia*	desert unicorn plant	4	60
180	708909	3726378	*Proboscidea althaeifolia*	desert unicorn plant	1	1
181	708913	3729681	*Proboscidea althaeifolia*	desert unicorn plant	1	1
182	708916	3728297	*Proboscidea althaeifolia*	desert unicorn plant	2	57
183	708922	3729691	*Proboscidea althaeifolia*	desert unicorn plant	3	60
184	708932	3728609	*Proboscidea althaeifolia*	desert unicorn plant	11	90
185	708933	3729264	*Proboscidea althaeifolia*	desert unicorn plant	1	5
186	708940	3726740	*Proboscidea althaeifolia*	desert unicorn plant	1	1
187	708944	3728704	*Proboscidea althaeifolia*	desert unicorn plant	6	70
188	708953	3726653	*Proboscidea althaeifolia*	desert unicorn plant	1	1
189	708963	3729008	*Proboscidea althaeifolia*	desert unicorn plant	1	1
190	708964	3729583	*Proboscidea althaeifolia*	desert unicorn plant	2	2
191	708970	3727271	*Proboscidea althaeifolia*	desert unicorn plant	6	215
192	708972	3725618	*Proboscidea althaeifolia*	desert unicorn plant	2	120
193	708980	3728176	*Proboscidea althaeifolia*	desert unicorn plant	1	1
194	709001	3727493	*Proboscidea althaeifolia*	desert unicorn plant	5	180
195	709007	3728315	*Proboscidea althaeifolia*	desert unicorn plant	5	100
196	709032	3728444	*Proboscidea althaeifolia*	desert unicorn plant	2	61
197	709036	3726979	*Proboscidea althaeifolia*	desert unicorn plant	6	136 (linear)
198	709060	3728870	*Proboscidea althaeifolia*	desert unicorn plant	10	100
199	709104	3727192	*Proboscidea althaeifolia*	desert unicorn plant	3	144
200	709106	3729565	*Proboscidea althaeifolia*	desert unicorn plant	5	60
201	709112	3726148	*Proboscidea althaeifolia*	desert unicorn plant	3	76

Number Corresponds to Appendix B Figures	UTM (NAD 83)		Species		Population Size (Number of Plants or Abundance)	Area (square meters)
	Easting	Northing				
202	709114	3728395	*Proboscidea althaeifolia*	desert unicorn plant	6	4
203	709123	3728524	*Proboscidea althaeifolia*	desert unicorn plant	2	95
204	709130	3729805	*Proboscidea althaeifolia*	desert unicorn plant	2	1.5
205	709131	3729023	*Proboscidea althaeifolia*	desert unicorn plant	1	1
206	709138	3729347	*Proboscidea althaeifolia*	desert unicorn plant	4	20
207	709140	3729160	*Proboscidea althaeifolia*	desert unicorn plant	1	1
208	709146	3728642	*Proboscidea althaeifolia*	desert unicorn plant	5	70
209	709178	3729669	*Proboscidea althaeifolia*	desert unicorn plant	3	18
210	709180	3728211	*Proboscidea althaeifolia*	desert unicorn plant	4	110
211	709180	3726396	*Proboscidea althaeifolia*	desert unicorn plant	3	20 (linear)
212	709188	3728740	*Proboscidea althaeifolia*	desert unicorn plant	7	90 (linear)
213	709194	3728851	*Proboscidea althaeifolia*	desert unicorn plant	2	25
214	709205	3725943	*Proboscidea althaeifolia*	desert unicorn plant	1	1
215	709211	3727881	*Proboscidea althaeifolia*	desert unicorn plant	3	3
216	709213	3726870	*Proboscidea althaeifolia*	desert unicorn plant	2	130 (linear)
217	709215	3726743	*Proboscidea althaeifolia*	desert unicorn plant	4	14
218	709218	3729519	*Proboscidea althaeifolia*	desert unicorn plant	10	46
219	709220	3725619	*Proboscidea althaeifolia*	desert unicorn plant	1	1
220	709225	3727744	*Proboscidea althaeifolia*	desert unicorn plant	2	60
221	709237	3729200	*Proboscidea althaeifolia*	desert unicorn plant	8	80
222	709241	3728433	*Proboscidea althaeifolia*	desert unicorn plant	5	77
223	709251	3726240	*Proboscidea althaeifolia*	desert unicorn plant	3	60
224	709283	3728798	*Proboscidea althaeifolia*	desert unicorn plant	1	1

Number Corresponds to Appendix B Figures	UTM (NAD 83)		Species		Population Size (Number of Plants or Abundance)	Area (square meters)
	Easting	Northing				
225	709294	3727425	*Proboscidea althaeifolia*	desert unicorn plant	8	120 x 77
226	709320	3728128	*Proboscidea althaeifolia*	desert unicorn plant	2	75
227	709321	3727933	*Proboscidea althaeifolia*	desert unicorn plant	9	8
228	709322	3726015	*Proboscidea althaeifolia*	desert unicorn plant	1	1
229	709326	3729119	*Proboscidea althaeifolia*	desert unicorn plant	10	70
230	709328	3728572	*Proboscidea althaeifolia*	desert unicorn plant	3	70
232	709381	3729038	*Proboscidea althaeifolia*	desert unicorn plant	3	5
233	709402	3726273	*Proboscidea althaeifolia*	desert unicorn plant	4	115 x 90
234	709404	3729598	*Proboscidea althaeifolia*	desert unicorn plant	1	1
235	709406	3727864	*Proboscidea althaeifolia*	desert unicorn plant	3	30
236	709413	3729017	*Proboscidea althaeifolia*	desert unicorn plant	11	120
237	709413	3725837	*Proboscidea althaeifolia*	desert unicorn plant	1	1
238	709424	3726133	*Proboscidea althaeifolia*	desert unicorn plant	1	1
239	709440	3727329	*Proboscidea althaeifolia*	desert unicorn plant	3	10
240	709461	3727094	*Proboscidea althaeifolia*	desert unicorn plant	3	30
241	709467	3727501	*Proboscidea althaeifolia*	desert unicorn plant	1	1
242	709473	3727918	*Proboscidea althaeifolia*	desert unicorn plant	2	30
243	709501	3729535	*Proboscidea althaeifolia*	desert unicorn plant	2	1
244	709507	3727717	*Proboscidea althaeifolia*	desert unicorn plant	1	1
245	709508	3728342	*Proboscidea althaeifolia*	desert unicorn plant	1	1
247	709541	3726128	*Proboscidea althaeifolia*	desert unicorn plant	6	100
248	709544	3728100	*Proboscidea althaeifolia*	desert unicorn plant	5	120
249	709546	3727034	*Proboscidea althaeifolia*	desert unicorn plant	2	92

Number Corresponds to Appendix B Figures	UTM (NAD 83)		Species		Population Size (Number of Plants or Abundance)	Area (square meters)
	Easting	Northing				
250	709559	3729413	*Proboscidea althaeifolia*	desert unicorn plant	3	8
251	709570	3727361	*Proboscidea althaeifolia*	desert unicorn plant	4	50
252	709574	3728904	*Proboscidea althaeifolia*	desert unicorn plant	4	80
253	709589	3726446	*Proboscidea althaeifolia*	desert unicorn plant	2	-
254	709594	3727621	*Proboscidea althaeifolia*	desert unicorn plant	11	125 (linear)
255	709605	3726603	*Proboscidea althaeifolia*	desert unicorn plant	3	100
256	709606	3729207	*Proboscidea althaeifolia*	desert unicorn plant	2	60
257	709621	3725693	*Proboscidea althaeifolia*	desert unicorn plant	1	1
258	709625	3726838	*Proboscidea althaeifolia*	desert unicorn plant	3	40
259	709633	3726016	*Proboscidea althaeifolia*	desert unicorn plant	3	100
260	709634	3727844	*Proboscidea althaeifolia*	desert unicorn plant	5	200
261	709643	3728134	*Proboscidea althaeifolia*	desert unicorn plant	14	120
262	709645	3726302	*Proboscidea althaeifolia*	desert unicorn plant	2	2
263	709646	3727259	*Proboscidea althaeifolia*	desert unicorn plant	3	100
264	709653	3729395	*Proboscidea althaeifolia*	desert unicorn plant	2	45
266	709716	3726752	*Proboscidea althaeifolia*	desert unicorn plant	1	1
267	709719	3727010	*Proboscidea althaeifolia*	desert unicorn plant	3	107
268	709736	3725680	*Proboscidea althaeifolia*	desert unicorn plant	1	1
269	709742	3727763	*Proboscidea althaeifolia*	desert unicorn plant	2	1
270	709753	3729182	*Proboscidea althaeifolia*	desert unicorn plant	11	70
271	709758	3725885	*Proboscidea althaeifolia*	desert unicorn plant	1	1
272	709759	3729257	*Proboscidea althaeifolia*	desert unicorn plant	1	1
273	709765	3730027	*Proboscidea althaeifolia*	desert unicorn plant	2	20

Number Corresponds to Appendix B Figures	UTM (NAD 83)		Species		Population Size (Number of Plants or Abundance)	Area (square meters)
	Easting	Northing				
274	709772	3727220	*Proboscidea althaeifolia*	desert unicorn plant	12	160 (linear)
275	709783	3728531	*Proboscidea althaeifolia*	desert unicorn plant	8	80
276	709797	3728344	*Proboscidea althaeifolia*	desert unicorn plant	10-Aug	120 (linear)
277	709797	3727329	*Proboscidea althaeifolia*	desert unicorn plant	1	1
278	709812	3725998	*Proboscidea althaeifolia*	desert unicorn plant	11	100
279	709827	3729575	*Proboscidea althaeifolia*	desert unicorn plant	1	1
280	709841	3726310	*Proboscidea althaeifolia*	desert unicorn plant	2	2
281	709849	3727575	*Proboscidea althaeifolia*	desert unicorn plant	5	120 (linear)
282	709865	3728680	*Proboscidea althaeifolia*	desert unicorn plant	1	1
283	709880	3725859	*Proboscidea althaeifolia*	desert unicorn plant	2	5
285	709887	3726686	*Proboscidea althaeifolia*	desert unicorn plant	9	127
286	709890	3729942	*Proboscidea althaeifolia*	desert unicorn plant	6	16
287	709890	3729307	*Proboscidea althaeifolia*	desert unicorn plant	4	1
288	709898	3727959	*Proboscidea althaeifolia*	desert unicorn plant	4	75
289	709909	3727039	*Proboscidea althaeifolia*	desert unicorn plant	1	1
290	709918	3728869	*Proboscidea althaeifolia*	desert unicorn plant	8	10
291	709923	3726456	*Proboscidea althaeifolia*	desert unicorn plant	1	1
292	709932	3729135	*Proboscidea althaeifolia*	desert unicorn plant	1	1
293	709953	3728348	*Proboscidea althaeifolia*	desert unicorn plant	6	10 (linear)
294	709956	3727052	*Proboscidea althaeifolia*	desert unicorn plant	3	10
295	709967	3729069	*Proboscidea althaeifolia*	desert unicorn plant	3	1
296	709977	3725586	*Proboscidea althaeifolia*	desert unicorn plant	1	1
297	709985	3728790	*Proboscidea althaeifolia*	desert unicorn plant	2	10

Number Corresponds to Appendix B Figures	UTM (NAD 83)		Species		Population Size (Number of Plants or Abundance)	Area (square meters)
	Easting	Northing				
298	709990	3729179	*Proboscidea althaeifolia*	desert unicorn plant	2	4
299	709999	3728293	*Proboscidea althaeifolia*	desert unicorn plant	5	10 (linear)
300	710005	3729872	*Proboscidea althaeifolia*	desert unicorn plant	2	40
301	710008	3728630	*Proboscidea althaeifolia*	desert unicorn plant	1	1
302	710024	3726434	*Proboscidea althaeifolia*	desert unicorn plant	8	60
303	710030	3727222	*Proboscidea althaeifolia*	desert unicorn plant	6	50
304	710035	3726557	*Proboscidea althaeifolia*	desert unicorn plant	13	200
305	710037	3728015	*Proboscidea althaeifolia*	desert unicorn plant	3	160
306	710047	3726876	*Proboscidea althaeifolia*	desert unicorn plant	8	223
307	710049	3727492	*Proboscidea althaeifolia*	desert unicorn plant	8	100
308	710079	3726233	*Proboscidea althaeifolia*	desert unicorn plant	1	1
309	710079	3725832	*Proboscidea althaeifolia*	desert unicorn plant	17	150
310	710097	3727030	*Proboscidea althaeifolia*	desert unicorn plant	5	50
311	710113	3729221	*Proboscidea althaeifolia*	desert unicorn plant	1	1
312	710117	3728270	*Proboscidea althaeifolia*	desert unicorn plant	1	1
313	710118	3727642	*Proboscidea althaeifolia*	desert unicorn plant	2	70
314	710123	3729004	*Proboscidea althaeifolia*	desert unicorn plant	1	1
315	710137	3726375	*Proboscidea althaeifolia*	desert unicorn plant	8	50
316	710139	3727748	*Proboscidea althaeifolia*	desert unicorn plant	1	1
317	710154	3727837	*Proboscidea althaeifolia*	desert unicorn plant	4	200
318	710167	3729237	*Proboscidea althaeifolia*	desert unicorn plant	3	71
319	710170	3729940	*Proboscidea althaeifolia*	desert unicorn plant	1	1
320	710171	3728391	*Proboscidea althaeifolia*	desert unicorn plant	6	50 (linear)

Number Corresponds to Appendix B Figures	UTM (NAD 83)		Species		Population Size (Number of Plants or Abundance)	Area (square meters)
	Easting	Northing				
321	710173	3726655	*Proboscidea althaeifolia*	desert unicorn plant	2	40
322	710190	3727420	*Proboscidea althaeifolia*	desert unicorn plant	6	80
323	710191	3726495	*Proboscidea althaeifolia*	desert unicorn plant	9	1000
324	710199	3725743	*Proboscidea althaeifolia*	desert unicorn plant	5	30
325	710204	3726299	*Proboscidea althaeifolia*	desert unicorn plant	7	80
326	710215	3727274	*Proboscidea althaeifolia*	desert unicorn plant	1	1
327	710227	3728215	*Proboscidea althaeifolia*	desert unicorn plant	1	1
328	710235	3726142	*Proboscidea althaeifolia*	desert unicorn plant	3	70
329	710238	3726342	*Proboscidea althaeifolia*	desert unicorn plant	1	1
330	710252	3727461	*Proboscidea althaeifolia*	desert unicorn plant	4	75 (linear)
331	710254	3727040	*Proboscidea althaeifolia*	desert unicorn plant	1	1
332	710258	3726441	*Proboscidea althaeifolia*	desert unicorn plant	2	15
333	710264	3726049	*Proboscidea althaeifolia*	desert unicorn plant	1	1
334	710274	3726335	*Proboscidea althaeifolia*	desert unicorn plant	8	20
335	710275	3730005	*Proboscidea althaeifolia*	desert unicorn plant	2	1
336	710275	3726799	*Proboscidea althaeifolia*	desert unicorn plant	4	50
337	710280	3727227	*Proboscidea althaeifolia*	desert unicorn plant	1	1
338	710295	3725832	*Proboscidea althaeifolia*	desert unicorn plant	1	1
339	710306	3726650	*Proboscidea althaeifolia*	desert unicorn plant	2	-
340	710312	3726411	*Proboscidea althaeifolia*	desert unicorn plant	1	1
342	710355	3728862	*Proboscidea althaeifolia*	desert unicorn plant	1	1
343	710360	3726343	*Proboscidea althaeifolia*	desert unicorn plant	9	80
344	710365	3726109	*Proboscidea althaeifolia*	desert unicorn plant	3	80

Number Corresponds to Appendix B Figures	UTM (NAD 83)		Species		Population Size (Number of Plants or Abundance)	Area (square meters)
	Easting	Northing				
345	710376	3727593	*Proboscidea althaeifolia*	desert unicorn plant	5	116 (linear)
346	710379	3727314	*Proboscidea althaeifolia*	desert unicorn plant	1	1
347	710392	3727688	*Proboscidea althaeifolia*	desert unicorn plant	10	60
348	710436	3726734	*Proboscidea althaeifolia*	desert unicorn plant	4	100
349	710447	3727214	*Proboscidea althaeifolia*	desert unicorn plant	4	75
350	710460	3726952	*Proboscidea althaeifolia*	desert unicorn plant	1	1
351	710486	3727558	*Proboscidea althaeifolia*	desert unicorn plant	2	75 (linear)
352	710493	3726063	*Proboscidea althaeifolia*	desert unicorn plant	4	40
353	710504	3728021	*Proboscidea althaeifolia*	desert unicorn plant	1	1
354	710510	3726205	*Proboscidea althaeifolia*	desert unicorn plant	1	1
355	710518	3728519	*Proboscidea althaeifolia*	desert unicorn plant	2	1
356	710529	3728928	*Proboscidea althaeifolia*	desert unicorn plant	1	1
357	710533	3727391	*Proboscidea althaeifolia*	desert unicorn plant	5	124 (linear)
358	710539	3727264	*Proboscidea althaeifolia*	desert unicorn plant	1	1
359	710541	3726415	*Proboscidea althaeifolia*	desert unicorn plant	6	30
360	710552	3728900	*Proboscidea althaeifolia*	desert unicorn plant	3	47
361	710555	3728161	*Proboscidea althaeifolia*	desert unicorn plant	4	3
362	710565	3727016	*Proboscidea althaeifolia*	desert unicorn plant	1	1
363	710568	3725974	*Proboscidea althaeifolia*	desert unicorn plant	2	-
365	710622	3728043	*Proboscidea althaeifolia*	desert unicorn plant	4	150
366	710630	3727546	*Proboscidea althaeifolia*	desert unicorn plant	2	80 (linear)
367	710664	3727811	*Proboscidea althaeifolia*	desert unicorn plant	6	100
368	710691	3723916	*Proboscidea althaeifolia*	desert unicorn plant	1	1

Number Corresponds to Appendix B Figures	UTM (NAD 83)		Species		Population Size (Number of Plants or Abundance)	Area (square meters)
	Easting	Northing				
369	710704	3729535	*Proboscidea althaeifolia*	desert unicorn plant	6	40 (linear)
370	710710	3726673	*Proboscidea althaeifolia*	desert unicorn plant	4	122
371	710727	3727221	*Proboscidea althaeifolia*	desert unicorn plant	9	100
372	710734	3727454	*Proboscidea althaeifolia*	desert unicorn plant	1	1
373	710741	3727301	*Proboscidea althaeifolia*	desert unicorn plant	3	65
374	710790	3727585	*Proboscidea althaeifolia*	desert unicorn plant	7	100 (linear)
375	710800	3726541	*Proboscidea althaeifolia*	desert unicorn plant	5	180
376	710804	3728818	*Proboscidea althaeifolia*	desert unicorn plant	2	30 (linear)
377	710806	3728716	*Proboscidea althaeifolia*	desert unicorn plant	1	1
378	710811	3727702	*Proboscidea althaeifolia*	desert unicorn plant	5	30
379	710829	3727906	*Proboscidea althaeifolia*	desert unicorn plant	1	1
380	710832	3727676	*Proboscidea althaeifolia*	desert unicorn plant	1	1
381	710871	3728344	*Proboscidea althaeifolia*	desert unicorn plant	3	20 (linear)
382	710893	3729300	*Proboscidea althaeifolia*	desert unicorn plant	2	100
383	710895	3729202	*Proboscidea althaeifolia*	desert unicorn plant	2	50
384	710899	3727666	*Proboscidea althaeifolia*	desert unicorn plant	3	92 (linear)
385	710906	3729417	*Proboscidea althaeifolia*	desert unicorn plant	2	50
386	710912	3727289	*Proboscidea althaeifolia*	desert unicorn plant	2	1
387	710949	3728928	*Proboscidea althaeifolia*	desert unicorn plant	2	80
388	710955	3726776	*Proboscidea althaeifolia*	desert unicorn plant	1	1
389	710974	3729054	*Proboscidea althaeifolia*	desert unicorn plant	1	1
390	710980	3728313	*Proboscidea althaeifolia*	desert unicorn plant	1	1
391	710999	3727230	*Proboscidea althaeifolia*	desert unicorn plant	2	100

Number Corresponds to Appendix B Figures	UTM (NAD 83)		Species		Population Size (Number of Plants or Abundance)	Area (square meters)
	Easting	Northing				
392	711000	3727682	*Proboscidea althaeifolia*	desert unicorn plant	1	1
393	711013	3729661	*Proboscidea althaeifolia*	desert unicorn plant	1	1
394	711027	3730038	*Proboscidea althaeifolia*	desert unicorn plant	1	1
395	711034	3727088	*Proboscidea althaeifolia*	desert unicorn plant	2	2
396	711050	3727055	*Proboscidea althaeifolia*	desert unicorn plant	1	1
397	711059	3729765	*Proboscidea althaeifolia*	desert unicorn plant	1	1
398	711071	3727415	*Proboscidea althaeifolia*	desert unicorn plant	2	10
399	711072	3728208	*Proboscidea althaeifolia*	desert unicorn plant	7	1
400	711078	3729860	*Proboscidea althaeifolia*	desert unicorn plant	1	1
401	711092	3728885	*Proboscidea althaeifolia*	desert unicorn plant	1	1
402	711114	3726732	*Proboscidea althaeifolia*	desert unicorn plant	1	1
403	711119	3726982	*Proboscidea althaeifolia*	desert unicorn plant	1	1
404	711120	3728624	*Proboscidea althaeifolia*	desert unicorn plant	2	40 (linear)
405	711133	3728502	*Proboscidea althaeifolia*	desert unicorn plant	2	1
406	711141	3728106	*Proboscidea althaeifolia*	desert unicorn plant	1	112
407	711145	3728994	*Proboscidea althaeifolia*	desert unicorn plant	1	1
408	711165	3728406	*Proboscidea althaeifolia*	desert unicorn plant	1	1
409	711189	3727409	*Proboscidea althaeifolia*	desert unicorn plant	2	60 (linear)
410	711196	3728213	*Proboscidea althaeifolia*	desert unicorn plant	1	1
411	711204	3727571	*Proboscidea althaeifolia*	desert unicorn plant	6	85 (linear)
412	711232	3727976	*Proboscidea althaeifolia*	desert unicorn plant	2	100 (linear)
413	711235	3726689	*Proboscidea althaeifolia*	desert unicorn plant	2	40
414	711242	3729742	*Proboscidea althaeifolia*	desert unicorn plant	1	1

Number Corresponds to Appendix B Figures	UTM (NAD 83)		Species		Population Size (Number of Plants or Abundance)	Area (square meters)
	Easting	Northing				
415	711252	3727155	*Proboscidea althaeifolia*	desert unicorn plant	1	1
416	711262	3727867	*Proboscidea althaeifolia*	desert unicorn plant	8	150 (linear)
417	711283	3727703	*Proboscidea althaeifolia*	desert unicorn plant	1	1
418	711293	3726808	*Proboscidea althaeifolia*	desert unicorn plant	5	150
419	711316	3727901	*Proboscidea althaeifolia*	desert unicorn plant	4	20
420	711321	3727406	*Proboscidea althaeifolia*	desert unicorn plant	9	90
421	711322	3728168	*Proboscidea althaeifolia*	desert unicorn plant	1	1
422	711334	3729159	*Proboscidea althaeifolia*	desert unicorn plant	1	1
423	711339	3727045	*Proboscidea althaeifolia*	desert unicorn plant	3	1
424	711343	3727278	*Proboscidea althaeifolia*	desert unicorn plant	6	100 (linear)
425	711346	3728136	*Proboscidea althaeifolia*	desert unicorn plant	3	80
426	711374	3728051	*Proboscidea althaeifolia*	desert unicorn plant	2	10 (linear)
427	711374	3727135	*Proboscidea althaeifolia*	desert unicorn plant	5	90
428	711377	3727560	*Proboscidea althaeifolia*	desert unicorn plant	10	100
429	711384	3727771	*Proboscidea althaeifolia*	desert unicorn plant	5	100 (linear)
430	711393	3726668	*Proboscidea althaeifolia*	desert unicorn plant	2	42
431	711421	3727869	*Proboscidea althaeifolia*	desert unicorn plant	8	85
432	711429	3727695	*Proboscidea althaeifolia*	desert unicorn plant	1	1
433	711440	3727951	*Proboscidea althaeifolia*	desert unicorn plant	2	40
434	711454	3727646	*Proboscidea althaeifolia*	desert unicorn plant	3	55 (linear)
435	711468	3727037	*Proboscidea althaeifolia*	desert unicorn plant	17	134
436	711476	3727379	*Proboscidea althaeifolia*	desert unicorn plant	7	170
437	711477	3726867	*Proboscidea althaeifolia*	desert unicorn plant	9	202 (linear)

Number Corresponds to Appendix B Figures	UTM (NAD 83)		Species		Population Size (Number of Plants or Abundance)	Area (square meters)
	Easting	Northing				
438	711488	3726635	*Proboscidea althaeifolia*	desert unicorn plant	8	21

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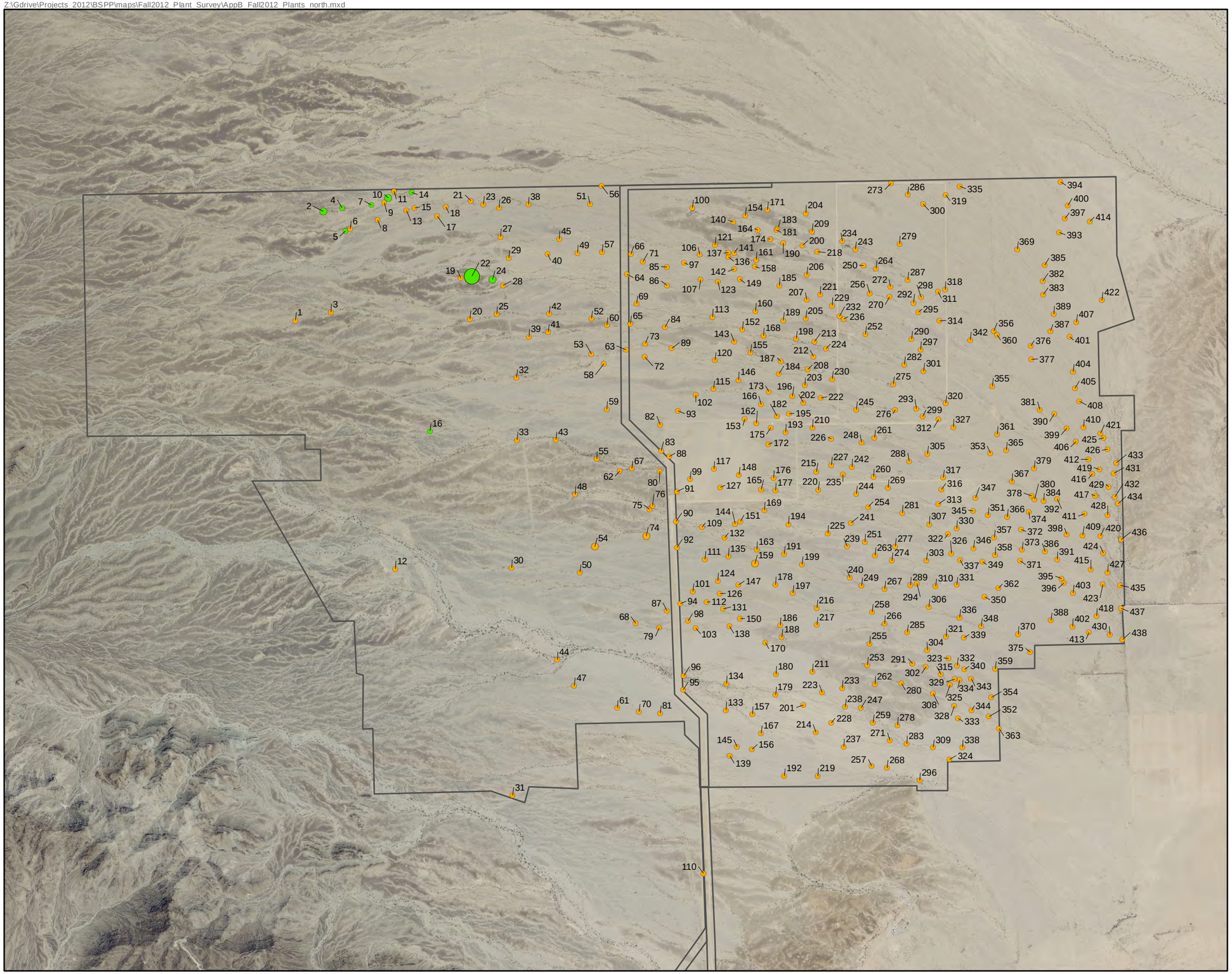

BLYTHE SOLAR POWER PROJECT RIVERSIDE COUNTY, CA

Legend

Survey Area

Plant Species

- Abrams' Spurge
- Desert unicorn plant

Number of Plants Observed

- <25 Plants
- 25-100 Plants
- 101-500 Plants
- 501-1,000 Plants
- >1,000 Plants

Observation numbers correspond to Table 1 in Appendix B.

0 1,250 2,500 5,000
Feet

Notes:
(a) UTM Zone 11, NAD 1983 Projection.
(b) Source data: USDA, TTEC

APPENDIX B
SPECIAL-STATUS PLANTS OBSERVED
AUGUST/SEPTEMBER 2012,
PROJECT ROW

TETRA TECH

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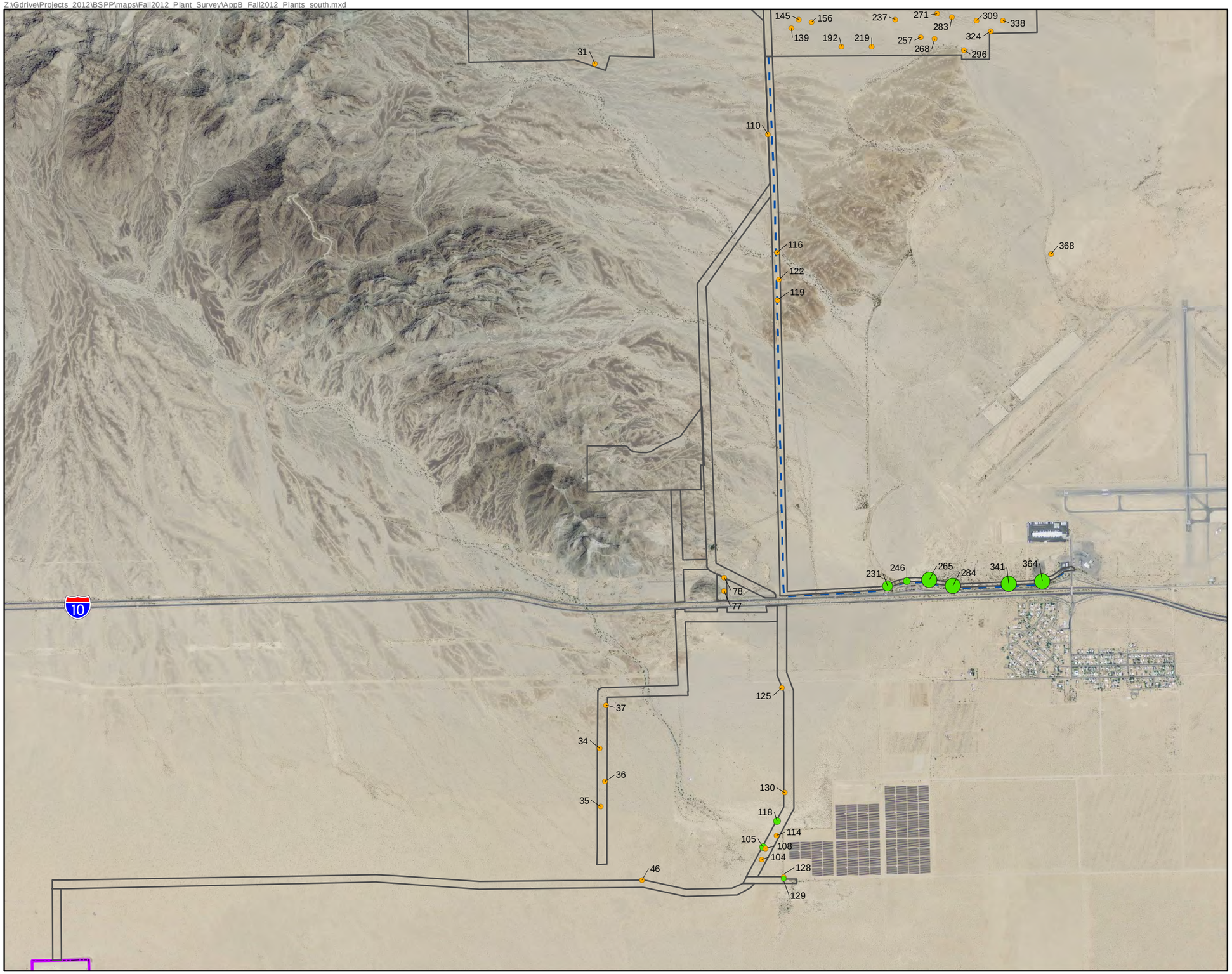

BLYTHE SOLAR POWER PROJECT RIVERSIDE COUNTY, CA

Legend

Survey Area

Access Road Shared with Other Solar Projects

SCE Colorado River Substation

Plant Species

- Abrams' Spurge
- Desert unicorn plant

Number of Plants Observed

- <25 Plants
- 25-100 Plants
- 101-500 Plants
- 501-1,000 Plants
- >1,000 Plants

Observation numbers correspond to Table 1 in Appendix B.

0 1,250 2,500 5,000

Feet

Notes:

(a) UTM Zone 11, NAD 1983 Projection.

(b) Source data: USDA, TTEC

APPENDIX B
SPECIAL-STATUS PLANTS OBSERVED
AUGUST/SEPTEMBER 2012,
LINEAR FACILITIES

TETRA TECH

APPENDIX C

Comprehensive List of All Plant Species Observed during August/September 2012 Field Surveys

Plant Species Observed at the Blythe Solar Power Project during August/September 2012 Plant Surveys	
Adenophyllum porophylloides	adenophyllum
Allionia incarnata	windmills
Ambrosia dumosa	white bursage
A. (=Hymenoclea) salsola	cheesebush
Aristida adscencionis	three-awn
A. californica	three-awn
A. purpurea	purple three-awn
A. subulata	rush milkweed
Baileya pauciradiata	desert marigold
Bebbia juncea	chuckwalla bush
Boerhavia coulteri	spiderling
B. wrightii	spiderling
Bouteloua aristidoides	needle grama
B. barbata	six-weeks grama
Brandegea bigelovii	desert starvine
**Brassica tournefortii*	Sahara mustard
**Bromus madritensis* var. *rubescens*	red brome
Camissonia boothii ssp. *condensata*	bottlebrush primrose
C. boothii ssp. *desertorum*	bottlebrush primrose
Cercidium floridum (=Parkinsonia florida)	blue paloverde
C. micromera	spurge
C. polycarpa	spurge
C. setiloba	spurge
C. rigida	rigid spinyherb
Colubrina californica	Las Animas colubrina
Cryptantha angustifolia	narrow-leaved forget-me-not
Cylindroputia (=Opuntia) echinocarpa	silver cholla
C. (=Opuntia) ramosissima	pencil cholla
Dalea mollis	silk dalea
D. mollissima	silk dalea
Dasyochloa(=Erioneuron) pulchella	tluff grass
Datura wrightii	jimsonweed
Dicoria canescens	desert dicoria
Ditaxis lanceolata	lance-leafed ditaxis
D. neomexicana	ditaxis
Echinocactus polycephalus	cottontop cactus
Encelia farinosa	brittlebush
Eriogonum deflexum	skeleton-weed
E. inflatum	desert trumpet
E. trichopes	little trumpet
Euphorbia (= *Chamaaesyce*) abramsiana	Abrams' spurge
Euphorbia eriantha	beetle spurge
Fagonia laevis	California fagonbush
Ferocactus cylindraceus	barrel cactus
Funastrum (=*Sarcostemma*) *hirtellum*	hairy milkweed
F. (=*S.*) *cyanchoides*	climbing milkweed
F. (= *Cynanchum*) *utahense*	Utah cynanchum
Fouquieria splendens	ocotillo
Hesperocallis undulata	desert lily
Hibiscus denudatus	rock hibiscus
Hilaria (=*Pleuraphis*) *rigida*	big galleta grass
Hoffmannseggia glauca	hognut

Plant Species Observed at the Blythe Solar Power Project during August/September 2012 Plant Surveys	
Hyptis emoryi	desert lavender
Kallstroemia californica	kallstroemia
Krameria erecta	little-leaf rhatany
K. bicolor	white rhatany
Larrea tridentata	creosote bush
Lotus strigosus	hairy lotus
Lycium andersonii	Anderson boxthorn
Lycium pallidum var. *oligospermum*	boxthorn
Mammillaria tetrancistra	fish-hook cactus
Marina parryi	parry dalea
M. laevis	four-o'clock
Oenothera deltoides	dune primrose
Olneya tesota	ironwood
Opuntia basilaris	beavertail cactus
Palafoxia arida (= linearis)	Spanish needle
**Panicum antidotale*	blue panicgrass
Pectis papposa	chinchweed
Perityle emoryi	Emory rock daisy
Peucephyllum schottii	desert fir
Phoradendron californicum	mistletoe
Plantago ovata	plantain
Porophyllum gracile	odora
Proboscidea althaeifolia	desert unicorn plant
Prosopis glandulosa	honey mesquite
Prunus fasciculata	desert almond
Psorothamnus emoryi	Emory dalea
P. spinosus	smoke tree
**Salsola tragus*	Russian thistle, tumbleweed
**Schismus arabicus*	Mediterranean grass
Senegalia (=Acacia) greggii	catclaw acacia
Sphaeralcea ambigua	globe mallow
S. emoryi	Emory globe mallow
Stephanomeria pauciflora	wire-lettuce
Tidestromia oblongifolia	Arizona honeysweet
Tiquilia plicata	plicate coldenia
**Tribulus terrestris*	caltrops, puncture vine
Trianthema portulacastrum	horse purslane
Ziziphus obtusifolia var. *canescens*	graythorn

APPENDIX D

Completed and Submitted CNDDB Forms

Mail to:
California Natural Diversity Database
Department of Fish and Game
1807 13th Street, Suite 202
Sacramento, CA 95811
Fax: (916) 324-0475 email: CNDDB@dfg.ca.gov

Date of Field Work (mm/dd/yyyy): 09/01/2012

For Office Use Only

Source Code _____ Quad Code _____
Elm Code _____ Occ. No. _____
EO Index No. _____ Map Index No. _____

Reset

California Native Species Field Survey Form

Send Form

Scientific Name: *Chamaesyce abramsiana*

Common Name: Abrams' spurge

Species Found? ☑ Yes ☐ No _____ If not, why?

Total No. Individuals 118 Subsequent Visit? ☐ yes ☑ no

Is this an existing NDDB occurrence? _____ Yes, Occ. # ☑ no ☐ unk.

Collection? If yes: _____ Number _____ Museum / Herbarium

Reporter: Alice Karl
Address: P.O. Box 74006
Davis, CA 95617
E-mail Address: heliophile@mindspring.com
Phone: (530) 304-4121

Plant Information

Phenology: _____% vegetative _____% flowering 100 % fruiting

Animal Information

adults _____ # juveniles _____ # larvae _____ # egg masses _____ # unknown _____

☐ wintering ☐ breeding ☐ nesting ☐ rookery ☐ burrow site ☐ other

Location Description (please attach map AND/OR fill out your choice of coordinates, below)

East of McCoy Mountains; west of Blythe

County: Riverside Landowner / Mgr.: BLM

Quad Name: _____ Elevation: 578 ft

T____ R____ Sec ____, ____ ¼ of _____¼, Meridian: H☐ M☐ S☐ Source of Coordinates (GPS, topo. map & type): GPS

T____ R____ Sec ____, ____ ¼ of _____¼, Meridian: H☐ M☐ S☐ GPS Make & Model Garmin

DATUM: NAD27 ☐ NAD83 ☑ WGS84 ☐ Horizontal Accuracy approx 10 m meters/feet

Coordinate System: UTM Zone 10 ☐ UTM Zone 11 ☑ *OR* Geographic (Latitude & Longitude) ☐

Coordinates: 0705707 3729671 (19 plants); 0705543 3729819 (33 plants); 0705682 3729844 (10 plants); 0705899 3729866 (10 plants); 0706025 3729917 (42 plants); 706201 3729957 (4 plants)

Habitat Description (plants & animals) *plant communities, dominants, associates, substrates/soils, aspects/slope:*
Animal Behavior *(Describe observed behavior, such as territoriality, foraging, singing, calling, copulating, perching, roosting, etc., especially for avifauna):*

Within shallow runnels within a braided ephemeral wash. Soils were mostly fine, sandy silt. Shrub/grass associates include Encelia farinosa, Hilaria rigida, Bouteloua barbata, Ambrosia dumosa, Larrea tridentata, Acacia greggii, Lycium andersonii, Parkinsonia florida, Krameria erecta. Herbaceous associates include Pectis papposa, Boerhavia wrightii, Chamaesyce polycarpa, C. micromera, Ditaxis neomexicana.

Please fill out separate form for other rare taxa seen at this site.

Site Information Overall site/occurrence quality/viability (site + population): ☐ Excellent ☑ Good ☐ Fair ☐ Poor

Immediate AND surrounding land use: Not well used

Visible disturbances: Old two-tracks: ~ 0.75 mi west of old gas line road (Black Creek Rd.)

Threats: Brassica tournefortii present but uncommon

Comments:

Determination: *(check one or more, and fill in blanks)*

☑ Keyed (cite reference): Jepson Manual (Note: originally delveloped search image using
☐ Compared with specimen housed at: reference population. Honed search image and
☐ Compared with photo / drawing in: microhabitats by finding many plants elsewhere
☐ By another person (name): and comparing to other cogeners.)
☐ Other: Marc Baker, Tim Thomas, Suzanne Rhodes, Wendy McBride, Art Schaub

Photographs: *(check one or more)*

	Slide	Print	Digital
Plant / animal	☐	☐	☐
Habitat	☐	☐	☑
Diagnostic feature	☐	☐	☐

May we obtain duplicates at our expense? yes ☑ no ☐

Mail to:
California Natural Diversity Database
Department of Fish and Game
1807 13th Street, Suite 202
Sacramento, CA 95811
Fax: (916) 324-0475 email: CNDDB@dfg.ca.gov

Date of Field Work (mm/dd/yyyy): 08/31/2012

For Office Use Only

Source Code _____ Quad Code _____
Elm Code _____ Occ. No. _____
EO Index No. _____ Map Index No. _____

Reset

California Native Species Field Survey Form

Send Form

Scientific Name: *Chamaesyce abramsiana*

Common Name: Abrams' spurge

Species Found? ☑ Yes ☐ No _____ If not, why?

Total No. Individuals 2 Subsequent Visit? ☐ yes ☑ no

Is this an existing NDDB occurrence? _____ Yes, Occ. # ☑ no ☐ unk.

Collection? If yes: _____ Number _____ Museum / Herbarium

Reporter: Alice Karl
Address: P.O. Box 74006
Davis, CA 95617
E-mail Address: heliophile@mindspring.com
Phone: (530) 304-4121

Plant Information

Phenology: _____% vegetative 100 % flowering _____% fruiting

Animal Information

_____ # adults _____ # juveniles _____ # larvae _____ # egg masses _____ # unknown

☐ wintering ☐ breeding ☐ nesting ☐ rookery ☐ burrow site ☐ other

Location Description ***(please attach map AND/OR fill out your choice of coordinates, below)***

East of McCoy Mountains; west of Blythe

County: Riverside Landowner / Mgr.: BLM
Quad Name: _____ Elevation: 550 ft
T____ R____ Sec ____, ____ ¼ of _____¼, Meridian: H☐ M☐ S☐ Source of Coordinates (GPS, topo. map & type): GPS
T____ R____ Sec ____, ____ ¼ of _____¼, Meridian: H☐ M☐ S☐ GPS Make & Model Garmin
DATUM: NAD27 ☐ NAD83 ☑ WGS84 ☐ Horizontal Accuracy approx 10 m meters/feet
Coordinate System: UTM Zone 10 ☐ UTM Zone 11 ☑ *OR* Geographic (Latitude & Longitude) ☐
Coordinates: 706337 E 3728184 N

Habitat Description (plants & animals) *plant communities, dominants, associates, substrates/soils, aspects/slope:*
Animal Behavior *(Describe observed behavior, such as territoriality, foraging, singing, calling, copulating, perching, roosting, etc., especially for avifauna):*

Within a sandy, silty runnel bank surrounded by thick Boerhavia wrightii. Flat area in mid-bajada with many braided runnels. Shrub/grass associates include Hilaria rigida, Olneya tesota, Ambrosia dumosa. Herbaceous associates in addition to B. wrightii include Pectis papposa, Chamaesyce polycarpa, Kallstroemia californica.

Please fill out separate form for other rare taxa seen at this site.

Site Information Overall site/occurrence quality/viability (site + population): ☐ Excellent ☑ Good ☐ Fair ☐ Poor

Immediate AND surrounding land use: Not well used

Visible disturbances: Old two-tracks; 0.4 mi west of old gas line road (Black Creek Rd.)

Threats: No immediate threats

Comments:

Determination: *(check one or more, and fill in blanks)*

☑ Keyed (cite reference): Jepson Manual (Note: originally delveloped search image using reference population. Honed search image and microhabitats by finding many plants elsewhere and comparing to other cogeners.)
☐ Compared with specimen housed at: _____
☐ Compared with photo / drawing in: _____
☐ By another person (name): _____
☐ Other: Michael Honer

Photographs: *(check one or more)*

	Slide	Print	Digital
Plant / animal	☐	☐	☐
Habitat	☐	☐	☑
Diagnostic feature	☐	☐	☐

May we obtain duplicates at our expense? yes ☑ no ☐

Mail to:
California Natural Diversity Database
Department of Fish and Game
1807 13th Street, Suite 202
Sacramento, CA 95811
Fax: (916) 324-0475 email: CNDDB@dfg.ca.gov

Date of Field Work (mm/dd/yyyy): 09/01/2012

For Office Use Only

Source Code _____ Quad Code _____
Elm Code _____ Occ. No. _____
EO Index No. _____ Map Index No. _____

Reset

California Native Species Field Survey Form

Send Form

Scientific Name: *Chamaesyce abramsiana*

Common Name: Abrams' spurge

Species Found? ☑ Yes ☐ No _____ If not, why?

Total No. Individuals 2,065+ Subsequent Visit? ☐ yes ☑ no

Is this an existing NDDB occurrence? _____ Yes, Occ. # ☑ no ☐ unk.

Collection? If yes: _____ Number _____ Museum / Herbarium

Reporter: Alice Karl
Address: P.O. Box 74006
Davis, CA 95617
E-mail Address: heliophile@mindspring.com
Phone: (530) 304-4121

Plant Information

Phenology: _____% vegetative 10 % flowering 90 % fruiting

Animal Information

_____ # adults _____ # juveniles _____ # larvae _____ # egg masses _____ # unknown

☐ wintering ☐ breeding ☐ nesting ☐ rookery ☐ burrow site ☐ other

Location Description (please attach map AND/OR fill out your choice of coordinates, below)

East of McCoy Mountains; west of Blythe

County: Riverside Landowner / Mgr.: BLM

Quad Name: _____ Elevation: 540 ft

T____ R____ Sec ____, ____ ¼ of _____¼, Meridian: H☐ M☐ S☐ Source of Coordinates (GPS, topo. map & type): GPS

T____ R____ Sec ____, ____ ¼ of _____¼, Meridian: H☐ M☐ S☐ GPS Make & Model Garmin

DATUM: NAD27 ☐ NAD83 ☑ WGS84 ☐ Horizontal Accuracy approx 10 m meters/feet

Coordinate System: UTM Zone 10 ☐ UTM Zone 11 ☑ *OR* Geographic (Latitude & Longitude) ☐

Coordinates: 706648 E 3729335 N (2,000+ plants within 170 square meters); 706802 3729312 (65 plants within 80 square meters)

Habitat Description (plants & animals) *plant communities, dominants, associates, substrates/soils, aspects/slope:*
Animal Behavior *(Describe observed behavior, such as territoriality, foraging, singing, calling, copulating, perching, roosting, etc., especially for avifauna):*

2000+ plants located within a swale; remaining 65 plants located within a shallow runnel. Soils were mostly fine, sandy silt. Shrub/grass associates include Encelia farinosa, Hilaria rigida, Bouteloua barbata, Ambrosia dumosa, Larrea tridentata, Acacia greggii, Lycium andersonii, Parkinsonia florida, Krameria erecta. Herbaceous associates include Pectis papposa, Boerhavia wrightii, Chamaesyce polycarpa, C. micromera, Ditaxis neomexicana.

Please fill out separate form for other rare taxa seen at this site.

Site Information Overall site/occurrence quality/viability (site + population): ☐ Excellent ☑ Good ☐ Fair ☐ Poor

Immediate AND surrounding land use: Not well used

Visible disturbances: Old two-tracks; 80-230 m west of old gas line road (Black Creek Rd.)

Threats: No immediate threats

Comments: Most plants fruiting; some in flower.

Determination: *(check one or more, and fill in blanks)*

☑ Keyed (cite reference): Jepson Manual (Note: originally delveloped search image using
☐ Compared with specimen housed at: reference population. Honed search image and
☐ Compared with photo / drawing in: microhabitats by finding many plants elsewhere
☐ By another person (name): and comparing to other cogeners.)
☐ Other: Neal Kramer; Michelle Cloud-Hughes; Tasya Herskovits

Photographs: *(check one or more)*

	Slide	Print	Digital
Plant / animal	☐	☐	☑
Habitat	☐	☐	☑
Diagnostic feature	☐	☐	☐

May we obtain duplicates at our expense? yes ☑ no ☐

Mail to:
California Natural Diversity Database
Department of Fish and Game
1807 13th Street, Suite 202
Sacramento, CA 95811
Fax: (916) 324-0475 email: CNDDB@dfg.ca.gov

Date of Field Work (mm/dd/yyyy): 09/02/2012

For Office Use Only

Source Code _____ Quad Code _____
Elm Code _____ Occ. No. _____
EO Index No. _____ Map Index No. _____

Reset

California Native Species Field Survey Form

Send Form

Scientific Name: *Chamaesyce abramsiana*

Common Name: Abrams' spurge

Species Found? ☑ Yes ☐ No _____ If not, why?

Total No. Individuals ~14,000+ Subsequent Visit? ☐ yes ☑ no

Is this an existing NDDB occurrence? _____ Yes, Occ. # ☑ no ☐ unk.

Collection? If yes: _____ Number _____ Museum / Herbarium

Reporter: Alice Karl
Address: P.O. Box 74006
Davis, CA 95617
E-mail Address: heliophile@mindspring.com
Phone: (530) 304-4121

Plant Information

Phenology: _____% vegetative _____% flowering 100 % fruiting

Animal Information

_____ # adults _____ # juveniles _____ # larvae _____ # egg masses _____ # unknown

☐ wintering ☐ breeding ☐ nesting ☐ rookery ☐ burrow site ☐ other

Location Description ***(please attach map AND/OR fill out your choice of coordinates, below)***

East of McCoy Mountains; west of Blythe. East/West stretch just north of Black Rock Road from the Valero gas station and the Blythe Solar Power Project graded access road.

County: Riverside Landowner / Mgr.: BLM

Quad Name: _____ Elevation: 400 ft

T____ R____ Sec ____, ____ ¼ of _____ ¼, Meridian: H☐ M☐ S☐

T____ R____ Sec ____, ____ ¼ of _____ ¼, Meridian: H☐ M☐ S☐

Source of Coordinates (GPS, topo. map & type): GPS

GPS Make & Model Garmin

DATUM: NAD27 ☐ NAD83 ☑ WGS84 ☐

Horizontal Accuracy approx 10 m meters/feet

Coordinate System: UTM Zone 10 ☐ UTM Zone 11 ☑ *OR* Geographic (Latitude & Longitude) ☐

Coordinates: 0709510 3721238 (35 plants); 0709351 3721199 (430 plants); 0709695 3721251 (1500+ plants); 0709885 3721200 (5,000 + plants); 0710342 3721222 (3000+ plants); 0710617 3721241 (4000+ plants)

Habitat Description (plants & animals) *plant communities, dominants, associates, substrates/soils, aspects/slope:*
Animal Behavior *(Describe observed behavior, such as territoriality, foraging, singing, calling, copulating, perching, roosting, etc., especially for avifauna):*

Within silty depressions and runnels north of Black Rock Road. Soils were mostly silty loam. Shrub/grass associates include Encelia farinosa, Hilaria rigida, Bouteloua barbata, Ambrosia dumosa, Larrea tridentata, Olneya tesota, Parkinsonia florida. Herbaceous associates include Pectis papposa, Boerhavia wrightii, B. coulteri, Chamaesyce polycarpa, C. micromera.

Please fill out separate form for other rare taxa seen at this site.

Site Information Overall site/occurrence quality/viability (site + population): ☐ Excellent ☐ Good ☑ Fair ☐ Poor

Immediate AND surrounding land use: Adjacent to Black Rock Rd.

Visible disturbances: I-10; Valero gas station, Black Rock Rd., Black Creek Rd.

Threats: Vehicle traffic

Comments: All plants were observed along a 1.3 mi stretch immediately north of Black Rock Rd. between the Valero gas station and the Blythe Solar Power Project graded access road.

Determination: *(check one or more, and fill in blanks)*

☑ Keyed (cite reference): Jepson Manual (Note: originally delveloped search image using
☐ Compared with specimen housed at: reference population. Honed search image and
☐ Compared with photo / drawing in: microhabitats by finding many plants elsewhere
☐ By another person (name): and comparing to other cogeners.)
☐ Other: Neal Kramer, Suzanne Rhodes

Photographs: *(check one or more)*

	Slide	Print	Digital
Plant / animal	☐	☐	☐
Habitat	☐	☐	☑
Diagnostic feature	☐	☐	☐

May we obtain duplicates at our expense? yes ☑ no ☐

Mail to:
California Natural Diversity Database
Department of Fish and Game
1807 13th Street, Suite 202
Sacramento, CA 95811
Fax: (916) 324-0475 email: CNDDB@dfg.ca.gov

Date of Field Work (mm/dd/yyyy): 09/01/2012

For Office Use Only

Source Code _____ Quad Code _____
Elm Code _____ Occ. No. _____
EO Index No. _____ Map Index No. _____

Reset

California Native Species Field Survey Form

Send Form

Scientific Name: *Chamaesyce abramsiana*

Common Name: Abrams' spurge

Species Found? ☑ Yes ☐ No _____ If not, why?

Total No. Individuals 86+ Subsequent Visit? ☐ yes ☑ no

Is this an existing NDDB occurrence? _____ Yes, Occ. # ☑ no ☐ unk.

Collection? If yes: _____ Number _____ Museum / Herbarium

Reporter: Alice Karl
Address: P.O. Box 74006
Davis, CA 95617
E-mail Address: heliophile@mindspring.com
Phone: (530) 304-4121

Plant Information

Phenology: _____% vegetative _____% flowering 100 % fruiting

Animal Information

_____ # adults _____ # juveniles _____ # larvae _____ # egg masses _____ # unknown

☐ wintering ☐ breeding ☐ nesting ☐ rookery ☐ burrow site ☐ other

Location Description (please attach map AND/OR fill out your choice of coordinates, below)

South if I-10; east of Blythe near existing PV solar plant

County: Riverside Landowner / Mgr.: BLM

Quad Name: _____ Elevation: 578 ft

T____ R____ Sec ____, ____ ¼ of _____¼, Meridian: H☐ M☐ S☐ Source of Coordinates (GPS, topo. map & type): GPS

T____ R____ Sec ____, ____ ¼ of _____¼, Meridian: H☐ M☐ S☐ GPS Make & Model Garmin

DATUM: NAD27 ☐ NAD83 ☑ WGS84 ☐ Horizontal Accuracy approx 10 m meters/feet

Coordinate System: UTM Zone 10 ☐ UTM Zone 11 ☑ *OR* Geographic (Latitude & Longitude) ☐

Coordinates: 708447E 3719276N (35+ plants); 708331 3719063 (50+ plants); 708501 3718801 (1 plant)

Habitat Description (plants & animals) *plant communities, dominants, associates, substrates/soils, aspects/slope:*
Animal Behavior *(Describe observed behavior, such as territoriality, foraging, singing, calling, copulating, perching, roosting, etc., especially for avifauna):*

Within a shallow runnels and swales. Soils were mostly fine silt. Shrub/grass associates include Hilaria rigida, Bouteloua barbata, Ambrosia dumosa, Larrea tridentata, Parkinsonia florida, Olneya tesota. Herbaceous associates include Pectis papposa, Kallstroemia californica, Chamaesyce micromera.

Please fill out separate form for other rare taxa seen at this site.

Site Information Overall site/occurrence quality/viability (site + population): ☐ Excellent ☑ Good ☐ Fair ☐ Poor

Immediate AND surrounding land use: OHV

Visible disturbances: PV solar plant; I-10; NavAid station; two-track dirt road

Threats: Brassica tournefortii present

Comments: Plants were dried and difficult to count. Population size is likely underestimated.

Determination: *(check one or more, and fill in blanks)*

☑ Keyed (cite reference): Jepson Manual (Note: originally delveloped search image using
☐ Compared with specimen housed at: reference population. Honed search image and
☐ Compared with photo / drawing in: microhabitats by finding many plants elsewhere
☐ By another person (name): and comparing to other cogeners.)
☐ Other: Art Schaub; Michelle-Cloud Hughes; Tasya Herskovits; Suzanne Rhodes

Photographs: *(check one or more)*

	Slide	Print	Digital
Plant / animal	☐	☐	☐
Habitat	☐	☐	☑
Diagnostic feature	☐	☐	☐

May we obtain duplicates at our expense? yes ☑ no ☐

Mail to:
California Natural Diversity Database
Department of Fish and Game
1807 13th Street, Suite 202
Sacramento, CA 95811
Fax: (916) 324-0475 email: CNDDB@dfg.ca.gov

Date of Field Work (mm/dd/yyyy): 08/23/2012

For Office Use Only

Source Code _____ Quad Code _____
Elm Code _____ Occ. No. _____
EO Index No. _____ Map Index No. _____

Reset

California Native Species Field Survey Form

Send Form

Scientific Name: *Proboscidea althaeifolia*

Common Name: desert unicorn plant

Species Found? ☑ Yes ☐ No _____ If not, why?

Total No. Individuals 1603 Subsequent Visit? ☐ yes ☑ no

Is this an existing NDDB occurrence? _____ Yes, Occ. # ☐ no ☑ unk.

Collection? If yes: _____ Number _____ Museum / Herbarium

Reporter: Tetra Tech and Alice E. Karl and Associates
Address: 143 Union Blvd., Ste 1010
Lakewood, CO 80228
E-mail Address: emily.mix@tetratech.com
Phone: (303) 980-3509

Plant Information

Phenology: 100 % vegetative, 50 % flowering, 50 % fruiting

Animal Information

_____ # adults _____ # juveniles _____ # larvae _____ # egg masses _____ # unknown

☐ wintering ☐ breeding ☐ nesting ☐ rookery ☐ burrow site ☐ other

Location Description ***(please attach map AND/OR fill out your choice of coordinates, below)***

County: Riverside Landowner / Mgr.: BLM
Quad Name: McCoy Peak Elevation: Approx. 500 ft
T____ R____ Sec ____, ____ ¼ of ____ ¼, Meridian: H☐ M☐ S☐ Source of Coordinates (GPS, topo. map & type): GPS
T____ R____ Sec ____, ____ ¼ of ____ ¼, Meridian: H☐ M☐ S☐ GPS Make & Model Garmin, various models
DATUM: NAD27 ☐ NAD83 ☑ WGS84 ☐ Horizontal Accuracy Approximately 10 m meters/feet
Coordinate System: UTM Zone 10 ☐ UTM Zone 11 ☑ *OR* Geographic (Latitude & Longitude) ☐
Coordinates: See attached list

Habitat Description (plants & animals) *plant communities, dominants, associates, substrates/soils, aspects/slope:*
Animal Behavior *(Describe observed behavior, such as territoriality, foraging, singing, calling, copulating, perching, roosting, etc., especially for avifauna):*

Larrea tridentata, Parkinsonia florida, Senegalia greggii, Hilaria rigida, Encelia farinosa, Ambrosia dumosa, Krameria erecta, K. grayi, Boerhavia wrightii, Chamaesyce polycarpa, Marina parryi, and Ditaxis neomexicana. This species was common and widespread. Individuals were observed primarily in silty sand of runnels and swales that collected water for a short period. Observations were made from 8/23 to 9/2/2012.

Please fill out separate form for other rare taxa seen at this site.

Site Information Overall site/occurrence quality/viability (site + population): ☐ Excellent ☐ Good ☑ Fair ☐ Poor

Immediate AND surrounding land use: some off-road vehicle use, agriculture, gas line/dirt road

Visible disturbances: Off-road tire tracks

Threats: solar development

Comments: Site would be good/excellent except for threat of proposed solar development. Population extends farther east of these locations in suitable habitat.

Determination: *(check one or more, and fill in blanks)*

☑ Keyed (cite reference): The Jepson Desert Manual: Vascular Plants of Southeastern CA.
☐ Compared with specimen housed at: _____
☐ Compared with photo / drawing in: _____
☐ By another person (name): _____
☐ Other: Alice E. Karl and Associates

Photographs: *(check one or more)*

	Slide	Print	Digital
Plant / animal	☐	☐	☐
Habitat	☐	☐	☑
Diagnostic feature	☐	☐	☐

May we obtain duplicates at our expense? yes ☑ no ☐

Mail to:
California Natural Diversity Database
Department of Fish and Game
1807 13th Street, Suite 202
Sacramento, CA 95811
Fax: (916) 324-0475 email: CNDDB@dfg.ca.gov

Date of Field Work (mm/dd/yyyy): 08/25/2012

For Office Use Only

Source Code _____ Quad Code _____
Elm Code _____ Occ. No. _____
EO Index No. _____ Map Index No. _____

Reset

California Native Species Field Survey Form

Send Form

Scientific Name: *Proboscidea althaeifolia*

Common Name: desert unicorn plant

Species Found? ☑ Yes ☐ No _____ If not, why?

Total No. Individuals 1 Subsequent Visit? ☐ yes ☑ no

Is this an existing NDDB occurrence? _____ Yes, Occ. # ☐ no ☑ unk.

Collection? If yes: _____ Number _____ Museum / Herbarium

Reporter: Tetra Tech and Alice E. Karl and Associates
Address: 143 Union Blvd., Ste 1010
Lakewood, CO 80228
E-mail Address: emily.mix@tetratech.com
Phone: (303) 980-3509

Plant Information

Phenology: 100 % vegetative _____ % flowering _____ % fruiting

Animal Information

_____ # adults _____ # juveniles _____ # larvae _____ # egg masses _____ # unknown

☐ wintering ☐ breeding ☐ nesting ☐ rookery ☐ burrow site ☐ other

Location Description ***(please attach map AND/OR fill out your choice of coordinates, below)***

County: Riverside Landowner / Mgr.: BLM
Quad Name: McCoy Peak Elevation: Approx. 450 ft
T____ R____ Sec ____, ____ ¼ of _____ ¼, Meridian: H☐ M☐ S☐ Source of Coordinates (GPS, topo. map & type): GPS
T____ R____ Sec ____, ____ ¼ of _____ ¼, Meridian: H☐ M☐ S☐ GPS Make & Model Garmin
DATUM: NAD27 ☐ NAD83 ☑ WGS84 ☐ Horizontal Accuracy Approximately 10 m meters/feet
Coordinate System: UTM Zone 10 ☐ UTM Zone 11 ☑ *OR* Geographic (Latitude & Longitude) ☐
Coordinates: 710691 3723916

Habitat Description (plants & animals) *plant communities, dominants, associates, substrates/soils, aspects/slope:*
Animal Behavior *(Describe observed behavior, such as territoriality, foraging, singing, calling, copulating, perching, roosting, etc., especially for avifauna):*

Larrea tridentata, Ambrosia dumosa, Boerhavia wrightii, Chamaesyce polycarpa, and Pectis papposa. In silty sand.

Please fill out separate form for other rare taxa seen at this site.

Site Information Overall site/occurrence quality/viability (site + population): ☐ Excellent ☐ Good ☑ Fair ☐ Poor

Immediate AND surrounding land use: some off-road vehicle use, agriculture, gas line/dirt road

Visible disturbances: none

Threats: solar development

Comments: Site would be good/excellent except for threat of proposed solar development.

Determination: *(check one or more, and fill in blanks)*

☑ Keyed (cite reference): The Jepson Desert Manual: Vascular Plants of Southeastern CA.
☐ Compared with specimen housed at: _____
☐ Compared with photo / drawing in: _____
☐ By another person (name): _____
☐ Other: M. Honer, G. Robinson, E. Mix

Photographs: *(check one or more)*

	Slide	Print	Digital
Plant / animal	☐	☐	☐
Habitat	☐	☐	☑
Diagnostic feature	☐	☐	☐

May we obtain duplicates at our expense? yes ☑ no ☐

Mail to:
California Natural Diversity Database
Department of Fish and Game
1807 13th Street, Suite 202
Sacramento, CA 95811
Fax: (916) 324-0475 email: CNDDB@dfg.ca.gov

Date of Field Work (mm/dd/yyyy): 09/01/2012

For Office Use Only

Source Code _____ Quad Code _____
Elm Code _____ Occ. No. _____
EO Index No. _____ Map Index No. _____

Reset

California Native Species Field Survey Form

Send Form

Scientific Name: *Proboscidea althaeifolia*

Common Name: desert unicorn plant

Species Found? ☑ Yes ☐ No _____ If not, why?

Total No. Individuals 1 Subsequent Visit? ☐ yes ☑ no

Is this an existing NDDB occurrence? _____ Yes, Occ. # ☐ no ☑ unk.

Collection? If yes: _____ Number _____ Museum / Herbarium

Reporter: Tetra Tech and Alice E. Karl and Associates
Address: 143 Union Blvd., Ste 1010
Lakewood, CO 80228
E-mail Address: emily.mix@tetratech.com
Phone: (303) 980-3509

Plant Information

Phenology: 100 % vegetative, 100 % flowering, ____ % fruiting

Animal Information

adults ____ # juveniles ____ # larvae ____ # egg masses ____ # unknown ____

☐ wintering ☐ breeding ☐ nesting ☐ rookery ☐ burrow site ☐ other

Location Description ***(please attach map AND/OR fill out your choice of coordinates, below)***

County: Riverside Landowner / Mgr.: BLM
Quad Name: McCoy Peak Elevation: Approx. 470 ft
T____ R____ Sec ____, ____ ¼ of ____ ¼, Meridian: H☐ M☐ S☐ Source of Coordinates (GPS, topo. map & type): GPS
T____ R____ Sec ____, ____ ¼ of ____ ¼, Meridian: H☐ M☐ S☐ GPS Make & Model Garmin
DATUM: NAD27 ☐ NAD83 ☑ WGS84 ☐ Horizontal Accuracy Approximately 10 m meters/feet
Coordinate System: UTM Zone 10 ☐ UTM Zone 11 ☑ *OR* Geographic (Latitude & Longitude) ☐
Coordinates: 708370 3724897

Habitat Description (plants & animals) *plant communities, dominants, associates, substrates/soils, aspects/slope:*
Animal Behavior *(Describe observed behavior, such as territoriality, foraging, singing, calling, copulating, perching, roosting, etc., especially for avifauna):*

Larrea tridentata, Krameria grayi, Bouteloua barbata, Chamaesyce polycarpa, C. micromera, and Pectis papposa. In sandy loam.

Please fill out separate form for other rare taxa seen at this site.

Site Information Overall site/occurrence quality/viability (site + population): ☐ Excellent ☐ Good ☐ Fair ☑ Poor

Immediate AND surrounding land use: some off-road vehicle use, agriculture, BSPP access road

Visible disturbances: BSPP access road

Threats: continued use of BSPP access road

Comments: Observed in middle of bladed Blythe Solar Power Project (BSPP) access road in tire tracks. Indicates tolerance of significant disturbance.

Determination: *(check one or more, and fill in blanks)*

☑ Keyed (cite reference): The Jepson Desert Manual: Vascular Plants of Southeastern CA.
☐ Compared with specimen housed at: _____
☐ Compared with photo / drawing in: _____
☐ By another person (name): _____
☐ Other: Michael Honer, Kanan Routson

Photographs: *(check one or more)*

	Slide	Print	Digital
Plant / animal	☐	☐	☐
Habitat	☐	☐	☑
Diagnostic feature	☐	☐	☐

May we obtain duplicates at our expense? yes ☑ no ☐

Mail to:
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Department of Fish and Game
1807 13th Street, Suite 202
Sacramento, CA 95811
Fax: (916) 324-0475 email: CNDDB@dfg.ca.gov

Date of Field Work (mm/dd/yyyy): 08/31/2012

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Source Code _____ Quad Code _____
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California Native Species Field Survey Form

Send Form

Scientific Name: *Proboscidea althaeifolia*

Common Name: desert unicorn plant

Species Found? ☑ Yes ☐ No _____ If not, why?

Total No. Individuals 1 Subsequent Visit? ☐ yes ☑ no

Is this an existing NDDB occurrence? _____ Yes, Occ. # ☐ no ☑ unk.

Collection? If yes: _____ Number _____ Museum / Herbarium

Reporter: Tetra Tech and Alice E. Karl and Associates
Address: 143 Union Blvd., Ste 1010
Lakewood, CO 80228
E-mail Address: emily.mix@tetratech.com
Phone: (303) 980-3509

Plant Information

Phenology: 100 % vegetative, 100 % flowering, ____ % fruiting

Animal Information

adults ____ # juveniles ____ # larvae ____ # egg masses ____ # unknown ____

☐ wintering ☐ breeding ☐ nesting ☐ rookery ☐ burrow site ☐ other

Location Description ***(please attach map AND/OR fill out your choice of coordinates, below)***

County: Riverside Landowner / Mgr.: BLM
Quad Name: McCoy Peak Elevation: Approx. 470 ft
T____ R____ Sec ____, ____ ¼ of ____ ¼, Meridian: H☐ M☐ S☐
T____ R____ Sec ____, ____ ¼ of ____ ¼, Meridian: H☐ M☐ S☐
Source of Coordinates (GPS, topo. map & type): GPS
GPS Make & Model Garmin
DATUM: NAD27 ☐ NAD83 ☑ WGS84 ☐
Horizontal Accuracy Approximately 10 m meters/feet
Coordinate System: UTM Zone 10 ☐ UTM Zone 11 ☑ *OR* Geographic (Latitude & Longitude) ☐
Coordinates: 706952 3725477

Habitat Description (plants & animals) *plant communities, dominants, associates, substrates/soils, aspects/slope:*
Animal Behavior *(Describe observed behavior, such as territoriality, foraging, singing, calling, copulating, perching, roosting, etc., especially for avifauna):*

Larrea tridentata, Ambrosia dumosa, Krameria grayi, Chamaesyce polycarpa, C. micromera. In shallow runnel with silty sand.

Please fill out separate form for other rare taxa seen at this site.

Site Information Overall site/occurrence quality/viability (site + population): ☐ Excellent ☐ Good ☑ Fair ☐ Poor

Immediate AND surrounding land use: BSPP Access road

Visible disturbances: none

Threats: solar development

Comments: Site would be good/excellent except for threat of proposed solar development

Determination: *(check one or more, and fill in blanks)*

- ☑ Keyed (cite reference): The Jepson Desert Manual: Vascular Plants of Southeastern CA.
- ☐ Compared with specimen housed at: _____
- ☐ Compared with photo / drawing in: _____
- ☐ By another person (name): _____
- ☐ Other: Kanan Routson

Photographs: *(check one or more)*

	Slide	Print	Digital
Plant / animal	☐	☐	☐
Habitat	☐	☐	☑
Diagnostic feature	☐	☐	☐

May we obtain duplicates at our expense? yes ☑ no ☐

Mail to:
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1807 13th Street, Suite 202
Sacramento, CA 95811
Fax: (916) 324-0475 email: CNDDB@dfg.ca.gov

Date of Field Work (mm/dd/yyyy): 09/01/2012

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Source Code _____ Quad Code _____
Elm Code _____ Occ. No. _____
EO Index No. _____ Map Index No. _____

Reset

California Native Species Field Survey Form

Send Form

Scientific Name: *Proboscidea althaeifolia*

Common Name: desert unicorn plant

Species Found? ☑ Yes ☐ No _____ If not, why?

Total No. Individuals 8 Subsequent Visit? ☐ yes ☑ no

Is this an existing NDDB occurrence? _____ Yes, Occ. # ☐ no ☑ unk.

Collection? If yes: _____ Number _____ Museum / Herbarium

Reporter: Tetra Tech and Alice E. Karl and Associates
Address: 143 Union Blvd., Ste 1010
Lakewood, CO 80228
E-mail Address: emily.mix@tetratech.com
Phone: (303) 980-3509

Plant Information

Phenology: 100 % vegetative, 30 % flowering, ____ % fruiting

Animal Information

# adults	# juveniles	# larvae	# egg masses	# unknown

☐ wintering ☐ breeding ☐ nesting ☐ rookery ☐ burrow site ☐ other

Location Description ***(please attach map AND/OR fill out your choice of coordinates, below)***

County: Riverside Landowner / Mgr.: BLM
Quad Name: McCoy Peak Elevation: Approx. 470 ft
T____ R____ Sec ____, ____ ¼ of _____ ¼, Meridian: H☐ M☐ S☐ Source of Coordinates (GPS, topo. map & type): GPS
T____ R____ Sec ____, ____ ¼ of _____ ¼, Meridian: H☐ M☐ S☐ GPS Make & Model Garmin
DATUM: NAD27 ☐ NAD83 ☑ WGS84 ☐ Horizontal Accuracy Approximately 10 m meters/feet
Coordinate System: UTM Zone 10 ☐ UTM Zone 11 ☑ *OR* Geographic (Latitude & Longitude) ☐
Coordinates: 708451 3723541, 708461 3723707, 708447 3723930

Habitat Description (plants & animals) *plant communities, dominants, associates, substrates/soils, aspects/slope:*
Animal Behavior *(Describe observed behavior, such as territoriality, foraging, singing, calling, copulating, perching, roosting, etc., especially for avifauna):*

Larrea tridentata, Allonia incarnata, Pectis papposa, Boerhavia wrightii. In silty sand.

Please fill out separate form for other rare taxa seen at this site.

Site Information Overall site/occurrence quality/viability (site + population): ☐ Excellent ☐ Good ☐ Fair ☑ Poor

Immediate AND surrounding land use: BSPP Access road

Visible disturbances: BSPP Access road

Threats: Continued use of BSPP Access road

Comments: In the middle of the graded BSPP Access road

Determination: *(check one or more, and fill in blanks)*

- ☑ Keyed (cite reference): The Jepson Desert Manual: Vascular Plants of Southeastern CA.
- ☐ Compared with specimen housed at: _____
- ☐ Compared with photo / drawing in: _____
- ☐ By another person (name): _____
- ☐ Other: Kanan Routson, Michael Honer

Photographs: *(check one or more)*

	Slide	Print	Digital
Plant / animal	☐	☐	☐
Habitat	☐	☐	☑
Diagnostic feature	☐	☐	☐

May we obtain duplicates at our expense? yes ☑ no ☐

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Department of Fish and Game
1807 13th Street, Suite 202
Sacramento, CA 95811
Fax: (916) 324-0475 email: CNDDB@dfg.ca.gov

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Elm Code _____ Occ. No. _____
EO Index No. _____ Map Index No. _____

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California Native Species Field Survey Form

Send Form

Scientific Name: *Proboscidea althaeifolia*

Common Name: desert unicorn plant

Species Found? ☑ Yes ☐ No _____ If not, why?

Total No. Individuals 1 Subsequent Visit? ☐ yes ☑ no

Is this an existing NDDB occurrence? _____ Yes, Occ. # ☐ no ☑ unk.

Collection? If yes: _____ Number _____ Museum / Herbarium

Reporter: Tetra Tech and Alice E. Karl and Associates
Address: 143 Union Blvd., Ste 1010
Lakewood, CO 80228
E-mail Address: emily.mix@tetratech.com
Phone: (303) 980-3509

Plant Information

Phenology: 100 % vegetative _____ % flowering _____ % fruiting

Animal Information

_____ # adults _____ # juveniles _____ # larvae _____ # egg masses _____ # unknown

☐ wintering ☐ breeding ☐ nesting ☐ rookery ☐ burrow site ☐ other

Location Description (please attach map AND/OR fill out your choice of coordinates, below)

County: Riverside Landowner / Mgr.: BLM
Quad Name: Roosevelt Mine Elevation: Approx. 400 ft
T____ R____ Sec ____, ____ ¼ of _____ ¼, Meridian: H☐ M☐ S☐ Source of Coordinates (GPS, topo. map & type): GPS
T____ R____ Sec ____, ____ ¼ of _____ ¼, Meridian: H☐ M☐ S☐ GPS Make & Model Garmin
DATUM: NAD27 ☐ NAD83 ☑ WGS84 ☐ Horizontal Accuracy Approximately 10 m meters/feet
Coordinate System: UTM Zone 10 ☐ UTM Zone 11 ☑ *OR* Geographic (Latitude & Longitude) ☐
Coordinates: 708486 3720364

Habitat Description (plants & animals) *plant communities, dominants, associates, substrates/soils, aspects/slope:*
Animal Behavior *(Describe observed behavior, such as territoriality, foraging, singing, calling, copulating, perching, roosting, etc., especially for avifauna):*

Larrea tridentata, Chamaesyce polycarpa, C. micromera. In a flat area in a slight depression. Silty sand.

Please fill out separate form for other rare taxa seen at this site.

Site Information Overall site/occurrence quality/viability (site + population): ☐ Excellent ☐ Good ☑ Fair ☐ Poor

Immediate AND surrounding land use: gas line and distribution line

Visible disturbances: Existing utilities - gas line and distribution line

Threats: proposed solar development transmission line, utilities

Comments:

Determination: *(check one or more, and fill in blanks)*

- ☑ Keyed (cite reference): The Jepson Desert Manual: Vascular Plants of Southeastern CA.
- ☐ Compared with specimen housed at: _____
- ☐ Compared with photo / drawing in: _____
- ☐ By another person (name): _____
- ☐ Other: Art Schaub, Alice Karl, Michelle Cloud-Hughes, Tasya Herskovits

Photographs: *(check one or more)*

	Slide	Print	Digital
Plant / animal	☐	☐	☐
Habitat	☐	☐	☑
Diagnostic feature	☐	☐	☐

May we obtain duplicates at our expense? yes ☑ no ☐

Mail to:
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Department of Fish and Game
1807 13th Street, Suite 202
Sacramento, CA 95811
Fax: (916) 324-0475 email: CNDDB@dfg.ca.gov

Date of Field Work (mm/dd/yyyy): 08/31/2012

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Source Code _____ Quad Code _____
Elm Code _____ Occ. No. _____
EO Index No. _____ Map Index No. _____

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California Native Species Field Survey Form

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Scientific Name: *Proboscidea althaeifolia*

Common Name: desert unicorn plant

Species Found? ☑ Yes ☐ No _____ If not, why?

Total No. Individuals 1 Subsequent Visit? ☐ yes ☑ no

Is this an existing NDDB occurrence? _____ Yes, Occ. # ☐ no ☑ unk.

Collection? If yes: _____ Number _____ Museum / Herbarium

Reporter: Tetra Tech and Alice E. Karl and Associates
Address: 143 Union Blvd., Ste 1010
Lakewood, CO 80228
E-mail Address: emily.mix@tetratech.com
Phone: (303) 980-3509

Plant Information

Phenology: 100 % vegetative, 100 % flowering, ____ % fruiting

Animal Information

adults ____ # juveniles ____ # larvae ____ # egg masses ____ # unknown ____

☐ wintering ☐ breeding ☐ nesting ☐ rookery ☐ burrow site ☐ other

Location Description ***(please attach map AND/OR fill out your choice of coordinates, below)***

County: Riverside Landowner / Mgr.: BLM

Quad Name: McCoy Peak Elevation: Approx. 570 ft

T____ R____ Sec ____, ____ ¼ of ____ ¼, Meridian: H☐ M☐ S☐

T____ R____ Sec ____, ____ ¼ of ____ ¼, Meridian: H☐ M☐ S☐

Source of Coordinates (GPS, topo. map & type): GPS

GPS Make & Model Garmin

Horizontal Accuracy Approximately 10 m meters/feet

DATUM: NAD27 ☐ NAD83 ☑ WGS84 ☐

Coordinate System: UTM Zone 10 ☐ UTM Zone 11 ☑ *OR* Geographic (Latitude & Longitude) ☐

Coordinates: 706078 3727161

Habitat Description (plants & animals) *plant communities, dominants, associates, substrates/soils, aspects/slope:*
Animal Behavior *(Describe observed behavior, such as territoriality, foraging, singing, calling, copulating, perching, roosting, etc., especially for avifauna):*

Larrea tridentata, Hilaria rigida, Encelia farinosa, Chamaesyce polycarpa, C. micromera, Boerhavia wrightii, Bouteloua barbata, and Pectis papposa. In a runnel adjacent to desert pavement. Fine sand and gravel.

Please fill out separate form for other rare taxa seen at this site.

Site Information Overall site/occurrence quality/viability (site + population): ☐ Excellent ☐ Good ☑ Fair ☐ Poor

Immediate AND surrounding land use: none

Visible disturbances: none

Threats: solar development

Comments: Site would be good/excellent except for possible solar development

Determination: *(check one or more, and fill in blanks)*

- ☑ Keyed (cite reference): The Jepson Desert Manual: Vascular Plants of Southeastern CA.
- ☐ Compared with specimen housed at: _____
- ☐ Compared with photo / drawing in: _____
- ☐ By another person (name): _____
- ☐ Other: Glenn Rink

Photographs: *(check one or more)*

	Slide	Print	Digital
Plant / animal	☐	☐	☐
Habitat	☐	☐	☑
Diagnostic feature	☐	☐	☐

May we obtain duplicates at our expense? yes ☑ no ☐

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Sacramento, CA 95811
Fax: (916) 324-0475 email: CNDDB@dfg.ca.gov

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EO Index No. _____ Map Index No. _____

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California Native Species Field Survey Form

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Scientific Name: *Proboscidea althaeifolia*

Common Name: desert unicorn plant

Species Found? ☑ Yes ☐ No _____ If not, why?

Total No. Individuals 17 Subsequent Visit? ☐ yes ☑ no

Is this an existing NDDB occurrence? _____ Yes, Occ. # ☐ no ☑ unk.

Collection? If yes: _____ Number _____ Museum / Herbarium

Reporter: Tetra Tech and Alice E. Karl and Associates
Address: 143 Union Blvd., Ste 1010
Lakewood, CO 80228
E-mail Address: emily.mix@tetratech.com
Phone: (303) 980-3509

Plant Information

Phenology: 100 % vegetative, 100 % flowering, 50 % fruiting

Animal Information

_____ # adults _____ # juveniles _____ # larvae _____ # egg masses _____ # unknown

☐ wintering ☐ breeding ☐ nesting ☐ rookery ☐ burrow site ☐ other

Location Description ***(please attach map AND/OR fill out your choice of coordinates, below)***

County: Riverside Landowner / Mgr.: BLM
Quad Name: Roosevelt Mine Elevation: Approx. 425 ft
T____ R____ Sec ____, ____ ¼ of _____ ¼, Meridian: H☐ M☐ S☐ Source of Coordinates (GPS, topo. map & type): GPS
T____ R____ Sec ____, ____ ¼ of _____ ¼, Meridian: H☐ M☐ S☐ GPS Make & Model Garmin
DATUM: NAD27 ☐ NAD83 ☑ WGS84 ☐ Horizontal Accuracy Approximately 10 m meters/feet
Coordinate System: UTM Zone 10 ☐ UTM Zone 11 ☑ *OR* Geographic (Latitude & Longitude) ☐
Coordinates: 708031 3721159, 708031 3721269

Habitat Description (plants & animals) *plant communities, dominants, associates, substrates/soils, aspects/slope:*
Animal Behavior *(Describe observed behavior, such as territoriality, foraging, singing, calling, copulating, perching, roosting, etc., especially for avifauna):*

Larrea tridentata, Ambrosia dumosa, Encelia farinosa, Bouteloua barbata, B. aristidoides, Chamaesyce micromera, and Kallstroemia californica. Within swale along roadside. Silt and sand.

Please fill out separate form for other rare taxa seen at this site.

Site Information Overall site/occurrence quality/viability (site + population): ☐ Excellent ☐ Good ☑ Fair ☐ Poor

Immediate AND surrounding land use: OHV

Visible disturbances: Black Rock Road

Threats: Off road travel

Comments: Area of past disturbance

Determination: *(check one or more, and fill in blanks)*

☑ Keyed (cite reference): The Jepson Desert Manual: Vascular Plants of Southeastern CA.
☐ Compared with specimen housed at: _____
☐ Compared with photo / drawing in: _____
☐ By another person (name): _____
☐ Other: Kyle Christie, Marc Baker, Adam Hamburg, Wendy McBride

Photographs: *(check one or more)*

	Slide	Print	Digital
Plant / animal	☐	☐	☐
Habitat	☐	☐	☑
Diagnostic feature	☐	☐	☐

May we obtain duplicates at our expense? yes ☑ no ☐

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Department of Fish and Game
1807 13th Street, Suite 202
Sacramento, CA 95811
Fax: (916) 324-0475 email: CNDDB@dfg.ca.gov

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Elm Code _____ Occ. No. _____
EO Index No. _____ Map Index No. _____

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California Native Species Field Survey Form

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Scientific Name: *Proboscidea althaeifolia*

Common Name: desert unicorn plant

Species Found? ☑ Yes ☐ No _____ If not, why?

Total No. Individuals 42 Subsequent Visit? ☐ yes ☑ no

Is this an existing NDDB occurrence? _____ Yes, Occ. # ☐ no ☑ unk.

Collection? If yes: _____ Number _____ Museum / Herbarium

Reporter: Tetra Tech and Alice E. Karl and Associates
Address: 143 Union Blvd., Ste 1010
Lakewood, CO 80228
E-mail Address: emily.mix@tetratech.com
Phone: (303) 980-3509

Plant Information

Phenology: 100 % vegetative, 100 % flowering, 100 % fruiting

Animal Information

_____ # adults _____ # juveniles _____ # larvae _____ # egg masses _____ # unknown

☐ wintering ☐ breeding ☐ nesting ☐ rookery ☐ burrow site ☐ other

Location Description ***(please attach map AND/OR fill out your choice of coordinates, below)***

County: Riverside Landowner / Mgr.: BLM
Quad Name: Roosevelt Mine Elevation: Approx. 400 ft
T____ R____ Sec ____, ____ ¼ of _____ ¼, Meridian: H☐ M☐ S☐ Source of Coordinates (GPS, topo. map & type): GPS
T____ R____ Sec ____, ____ ¼ of _____ ¼, Meridian: H☐ M☐ S☐ GPS Make & Model Garmin
DATUM: NAD27 ☐ NAD83 ☑ WGS84 ☐ Horizontal Accuracy Approximately 10 m meters/feet
Coordinate System: UTM Zone 10 ☐ UTM Zone 11 ☑ *OR* Geographic (Latitude & Longitude) ☐
Coordinates: 708510 3719509, 708350 3719051, 708320 3718961, 708442 3719158, 708499 3718815

Habitat Description (plants & animals) *plant communities, dominants, associates, substrates/soils, aspects/slope:*
Animal Behavior *(Describe observed behavior, such as territoriality, foraging, singing, calling, copulating, perching, roosting, etc., especially for avifauna):*

Larrea tridentata, Ambrosia dumosa, Cylindropuntia echinocarpa, Bouteloua barbata, Pectis papposa, Chamaesyce micromera, and Kallstroemia californica. Silt and sand.

Please fill out separate form for other rare taxa seen at this site.

Site Information Overall site/occurrence quality/viability (site + population): ☐ Excellent ☐ Good ☑ Fair ☐ Poor

Immediate AND surrounding land use: existing PV solar facility

Visible disturbances: two track roads, existing PV solar facility

Threats: proposed solar project transmission facilities

Comments:

Determination: *(check one or more, and fill in blanks)*

☑ Keyed (cite reference): The Jepson Desert Manual: Vascular Plants of Southeastern CA.
☐ Compared with specimen housed at: _____
☐ Compared with photo / drawing in: _____
☐ By another person (name): _____
☐ Other: Art Schaub, Alice Karl, Michelle Cloud-Hughes, Tasya Herskovits

Photographs: *(check one or more)*

	Slide	Print	Digital
Plant / animal	☐	☐	☐
Habitat	☐	☐	☑
Diagnostic feature	☐	☐	☐

May we obtain duplicates at our expense? yes ☑ no ☐

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Department of Fish and Game
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Sacramento, CA 95811
Fax: (916) 324-0475 email: CNDDB@dfg.ca.gov

Date of Field Work (mm/dd/yyyy): 09/02/2012

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Source Code _____ Quad Code _____
Elm Code _____ Occ. No. _____
EO Index No. _____ Map Index No. _____

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California Native Species Field Survey Form

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Scientific Name: *Proboscidea althaeifolia*

Common Name: desert unicorn plant

Species Found? ☑ Yes ☐ No _____ If not, why?

Total No. Individuals 9 Subsequent Visit? ☐ yes ☑ no

Is this an existing NDDB occurrence? _____ Yes, Occ. # ☐ no ☑ unk.

Collection? If yes: _____ Number _____ Museum / Herbarium

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Address: 143 Union Blvd., Ste 1010
Lakewood, CO 80228
E-mail Address: emily.mix@tetratech.com
Phone: (303) 980-3509

Plant Information

Phenology: 100 % vegetative, 100 % flowering, 100 % fruiting

Animal Information

_____ # adults _____ # juveniles _____ # larvae _____ # egg masses _____ # unknown

☐ wintering ☐ breeding ☐ nesting ☐ rookery ☐ burrow site ☐ other

Location Description ***(please attach map AND/OR fill out your choice of coordinates, below)***

County: Riverside Landowner / Mgr.: BLM
Quad Name: Roosevelt Mine Elevation: Approx. 400 ft
T____ R____ Sec ____, ____ ¼ of _____ ¼, Meridian: H☐ M☐ S☐ Source of Coordinates (GPS, topo. map & type): GPS
T____ R____ Sec ____, ____ ¼ of _____ ¼, Meridian: H☐ M☐ S☐ GPS Make & Model Garmin
DATUM: NAD27 ☐ NAD83 ☑ WGS84 ☐ Horizontal Accuracy Approximately 10 m meters/feet
Coordinate System: UTM Zone 10 ☐ UTM Zone 11 ☑ *OR* Geographic (Latitude & Longitude) ☐
Coordinates: 706991 3719870, 707000 3719393, 707037 3719598, 707043 3720226

Habitat Description (plants & animals) *plant communities, dominants, associates, substrates/soils, aspects/slope:*
Animal Behavior *(Describe observed behavior, such as territoriality, foraging, singing, calling, copulating, perching, roosting, etc., especially for avifauna):*

Larrea tridentata, Pleuraphis rigida, Ambrosia dumosa, Ditaxis neomexicana, Bouteloua aristidoides, Pectis papposa, Chamaesyce micromera, C. polycarpa, Brassica tournefourtii, and Kallstroemia californica. In and on edge of sandy wash in silt and sand.

Please fill out separate form for other rare taxa seen at this site.

Site Information Overall site/occurrence quality/viability (site + population): ☐ Excellent ☐ Good ☑ Fair ☐ Poor

Immediate AND surrounding land use: I-10

Visible disturbances:

Threats: proposed solar project transmission facilities

Comments: Site would be good except for proposed solar project transmission facilities

Determination: *(check one or more, and fill in blanks)*

☑ Keyed (cite reference): The Jepson Desert Manual: Vascular Plants of Southeastern CA.
☐ Compared with specimen housed at: _____
☐ Compared with photo / drawing in: _____
☐ By another person (name): _____
☐ Other: Kyle Christie, Marc Baker, Wendy McBride, Adam Hamburg

Photographs: *(check one or more)*

	Slide	Print	Digital
Plant / animal	☐	☐	☐
Habitat	☐	☐	☑
Diagnostic feature	☐	☐	☐

May we obtain duplicates at our expense? yes ☑ no ☐

Mail to:
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Department of Fish and Game
1807 13th Street, Suite 202
Sacramento, CA 95811
Fax: (916) 324-0475 email: CNDDB@dfg.ca.gov

Date of Field Work (mm/dd/yyyy): 09/02/2012

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Source Code _____ Quad Code _____
Elm Code _____ Occ. No. _____
EO Index No. _____ Map Index No. _____

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California Native Species Field Survey Form

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Scientific Name: *Proboscidea althaeifolia*

Common Name: desert unicorn plant

Species Found? ☑ Yes ☐ No _____ If not, why?

Total No. Individuals 2 Subsequent Visit? ☐ yes ☑ no

Is this an existing NDDB occurrence? _____ Yes, Occ. # ☐ no ☑ unk.

Collection? If yes: _____ Number _____ Museum / Herbarium

Reporter: Tetra Tech and Alice E. Karl and Associates
Address: 143 Union Blvd., Ste 1010
Lakewood, CO 80228
E-mail Address: emily.mix@tetratech.com
Phone: (303) 980-3509

Plant Information

Phenology: 100 % vegetative _____ % flowering _____ % fruiting

Animal Information

_____ # adults _____ # juveniles _____ # larvae _____ # egg masses _____ # unknown

☐ wintering ☐ breeding ☐ nesting ☐ rookery ☐ burrow site ☐ other

Location Description (please attach map AND/OR fill out your choice of coordinates, below)

County: Riverside Landowner / Mgr.: BLM
Quad Name: McCoy Peak Elevation: Approx. 600 ft
T____ R____ Sec ____, ____ ¼ of _____ ¼, Meridian: H☐ M☐ S☐ Source of Coordinates (GPS, topo. map & type): GPS
T____ R____ Sec ____, ____ ¼ of _____ ¼, Meridian: H☐ M☐ S☐ GPS Make & Model Garmin
DATUM: NAD27 ☐ NAD83 ☑ WGS84 ☐ Horizontal Accuracy Approximately 10 m meters/feet
Coordinate System: UTM Zone 10 ☐ UTM Zone 11 ☑ *OR* Geographic (Latitude & Longitude) ☐
Coordinates: 705335 3729007, 705598 3729068

Habitat Description (plants & animals) *plant communities, dominants, associates, substrates/soils, aspects/slope:*
Animal Behavior *(Describe observed behavior, such as territoriality, foraging, singing, calling, copulating, perching, roosting, etc., especially for avifauna):*

Larrea tridentata, Pleuraphis rigida, Encelia farinosa, Krameria erecta, Cylindropuntia echinocarpa, Ditaxis neomexicana, Pectis papposa. Runnel within small braided wash; mostly silty soil.

Please fill out separate form for other rare taxa seen at this site.

Site Information Overall site/occurrence quality/viability (site + population): ☐ Excellent ☐ Good ☑ Fair ☐ Poor

Immediate AND surrounding land use: none

Visible disturbances: none

Threats: proposed solar project

Comments: Site would be good/excellent except for proposed solar project

Determination: *(check one or more, and fill in blanks)*

☑ Keyed (cite reference): The Jepson Desert Manual: Vascular Plants of Southeastern CA.
☐ Compared with specimen housed at: _____
☐ Compared with photo / drawing in: _____
☐ By another person (name): _____
☐ Other: Tim Thomas, Marc Baker

Photographs: *(check one or more)*

	Slide	Print	Digital
Plant / animal	☐	☐	☐
Habitat	☐	☐	☑
Diagnostic feature	☐	☐	☐

May we obtain duplicates at our expense? yes ☑ no ☐

Mail to:
California Natural Diversity Database
Department of Fish and Game
1807 13th Street, Suite 202
Sacramento, CA 95811
Fax: (916) 324-0475 email: CNDDB@dfg.ca.gov

Date of Field Work (mm/dd/yyyy): 09/02/2012

For Office Use Only

Source Code _____ Quad Code _____
Elm Code _____ Occ. No. _____
EO Index No. _____ Map Index No. _____

Reset

California Native Species Field Survey Form

Send Form

Scientific Name: *Proboscidea althaeifolia*

Common Name: desert unicorn plant

Species Found? ☑ Yes ☐ No _____ If not, why?

Total No. Individuals 5 Subsequent Visit? ☐ yes ☑ no

Is this an existing NDDB occurrence? _____ Yes, Occ. # ☐ no ☑ unk.

Collection? If yes: _____ Number _____ Museum / Herbarium

Reporter: Tetra Tech and Alice E. Karl and Associates
Address: 143 Union Blvd., Ste 1010
Lakewood, CO 80228
E-mail Address: emily.mix@tetratech.com
Phone: (303) 980-3509

Plant Information

Phenology: 100 % vegetative 100 % flowering 100 % fruiting

Animal Information

_____ # adults _____ # juveniles _____ # larvae _____ # egg masses _____ # unknown

☐ wintering ☐ breeding ☐ nesting ☐ rookery ☐ burrow site ☐ other

Location Description ***(please attach map AND/OR fill out your choice of coordinates, below)***

County: Riverside Landowner / Mgr.: BLM
Quad Name: _____ Elevation: Approx. 425 ft
T____ R____ Sec ____, ____ ¼ of _____ ¼, Meridian: H☐ M☐ S☐ Source of Coordinates (GPS, topo. map & type): GPS
T____ R____ Sec ____, ____ ¼ of _____ ¼, Meridian: H☐ M☐ S☐ GPS Make & Model Garmin
DATUM: NAD27 ☐ NAD83 ☑ WGS84 ☐ Horizontal Accuracy Approximately 10 m meters/feet
Coordinate System: UTM Zone 10 ☐ UTM Zone 11 ☑ *OR* Geographic (Latitude & Longitude) ☐
Coordinates: 707338 3718791

Habitat Description (plants & animals) *plant communities, dominants, associates, substrates/soils, aspects/slope:*
Animal Behavior *(Describe observed behavior, such as territoriality, foraging, singing, calling, copulating, perching, roosting, etc., especially for avifauna):*

Larrea tridentata, Ambrosia dumosa, Pleuraphis rigida, Chamaesyce polycarpa, C. micromera, Brassica tournefortii. Sand/sand dunes.

Please fill out separate form for other rare taxa seen at this site.

Site Information Overall site/occurrence quality/viability (site + population): ☐ Excellent ☐ Good ☑ Fair ☐ Poor

Immediate AND surrounding land use: none

Visible disturbances: none

Threats: proposed solar project transmission line

Comments: Site would be good except for proposed solar project transmission line

Determination: *(check one or more, and fill in blanks)*

- ☑ Keyed (cite reference): The Jepson Desert Manual: Vascular Plants of Southeastern CA
- ☐ Compared with specimen housed at: _____
- ☐ Compared with photo / drawing in: _____
- ☐ By another person (name): _____
- ☐ Other: Alice Karl, Suzanne Rhodes, Michelle Coud-Hughes

Photographs: *(check one or more)*

	Slide	Print	Digital
Plant / animal	☐	☐	☐
Habitat	☐	☐	☑
Diagnostic feature	☐	☐	☐

May we obtain duplicates at our expense? yes ☑ no ☐

APPENDIX G USACE JURISDICTIONAL DETERMINATION

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DEPARTMENT OF THE ARMY
LOS ANGELES DISTRICT, CORPS OF ENGINEERS
PRADO DAM FIELD OFFICE
2493 POMONA-RINCON ROAD
CORONA, CALIFORNIA 92880

August 2, 2010

REPLY TO
ATTENTION OF
Office of the Chief
Regulatory Division

EDAW, Inc.
Attn: Joshua Zinn
1420 Kettner Blvd., Suite 500
San Diego , CA 92101

Solar Millennium LLC
Attn: Elizabeth Ingram
1111 Broadway, 5th Floor
Oakland, CA 94607

SUBJECT: Approved Jurisdictional Determination regarding presence/absence of geographic jurisdiction for the Blythe Solar Power Project, Riverside County, California

Dear Mr. Zinn:

Reference is made to your request (File No. SPL-2010-00098-JEM) dated October 23, 2009, for an approved Department of the Army jurisdictional determination (JD) for the Blythe Solar Power Project (Solar Millennium LLC, Chevron Energy Solutions), near Blythe, centered approximately at Latitude 33.64263 Longitude -114.76868, in Riverside County, California.

As you may know, the Corps' evaluation process for determining whether or not a Department of the Army permit is needed involves two tests. If both tests are met, then a permit is required. The first test determines whether or not the proposed project is located in a water of the United States (i.e., it is within the Corps' geographic jurisdiction). The second test determines whether or not the proposed project is a regulated activity under Section 10 of the River and Harbor Act or Section 404 of the Clean Water Act. As part of the evaluation process, pertaining to the first test only, we have made the jurisdictional determination below.

Based on available information, we have determined there are no waters of the United States on the project site. The aquatic resources identified are intrastate isolated waters with no apparent interstate or foreign commerce connection. As such, these waters are not currently regulated by the Corps of Engineers. This disclaimer of jurisdiction is only for Section 404 of the Clean Water Act. Other Federal, State, and local laws may apply to your activities. In particular, you may need authorization from the California State Water Resources Control Board and/or the U.S. Fish and Wildlife Service.

This letter contains an approved jurisdictional determination for the Blythe Solar Power Project project site. If you object to this decision, you may request an administrative appeal

under Corps regulations at 33 CFR Part 331. Enclosed you will find a Notification of Appeal Process (NAP) fact sheet (Appendix A) and Request for Appeal (RFA) form. If you request to appeal this decision you must submit a completed RFA form to the Corps South Pacific Division Office at the following address:

Tom Cavanaugh
Administrative Appeal Review Officer,
U.S. Army Corps of Engineers
South Pacific Division, CESPD-PDS-O, 2042B
1455 Market Street, San Francisco, California 94103-1399

In order for an RFA to be accepted by the Corps, the Corps must determine that it is complete, that it meets the criteria for appeal under 33 C.F.R. Part 331.5, and that it has been received by the Division Office within 60 days of the date on the NAP. Should you decide to submit an RFA form, it must be received at the above address by October 2, 2010. It is not necessary to submit an RFA form to the Division office if you do not object to the decision in this letter.

This verification is valid for five years from the date of this letter, unless new information warrants revision of the determination before the expiration date. If you wish to submit new information regarding the approved jurisdictional determination for this site, please submit this information to James Mace at the letterhead address by October 2, 2010. The Corps will consider any new information so submitted and respond within 60 days by either revising the prior determination, if appropriate, or reissuing the prior determination. A revised or reissued jurisdictional determination can be appealed as described above.

This determination has been conducted to identify the extent of the Corps' Clean Water Act jurisdiction on the particular Project site identified in your request. This determination may not be valid for the wetland conservation provisions of the Food Security Act of 1985. If you or your tenant are USDA program participants, or anticipate participation in USDA programs, you should request a certified wetland determination from the local office of the Natural Resources Conservation Service, prior to starting work.

If you have any questions, please me at 951.898.6163 or via e-mail at James.E.Mace@usace.army.mil. Please be advised that you can now comment on your experience with Regulatory Division by accessing the Corps web-based customer survey form at: http://per2.nwp.usace.army.mil/survey.html.

Sincerely,

James E. Mace
Senior Project Manager
South Coast Branch
Regulatory Division

APPENDIX H WASTE DISCHARGE REQUIREMENTS

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SOIL AND WATER
APPENDIX H-1

Waste Discharge Requirement
Facts for Waste Discharge

SOIL AND WATER RESOURCES – APPENDIX H-1

FACTS FOR WASTE DISCHARGE~~—Palo Verde Solar I~~ **NextEra Blythe Solar Energy Center**, LLC, Owner/Operator, Blythe Solar Power Project, Riverside County

1. **NextEra Blythe Solar Energy Center, LLC** ~~Solar Millennium, LLC~~, (the Discharger) is proposing to construct, own and operate a ~~concentrated solar power (CSP)~~ **photovoltaic (PV)** electric generating facility **with** evaporation ponds ~~and a land treatment unit (LTU)~~on land owned by the Bureau of Land Management (BLM). ~~The solar power project is proposed by Palo Verde Solar I, LLC (PVSI).~~ The project is located on the Palo Verde Mesa along the Interstate 10 (I-10) corridor, northwest of the City of Blythe. The facility is referred to as the Blythe Solar Power Project (BSPP). A site map (**Figure 1**), **i**~~a~~s incorporated herein**,** and made a part of these requirements for waste discharge (Waste Discharge Requirements, or WDRs). The address for **the Discharger is**~~, Solar Millennium, LLC 1625 Shattuck Ave. Ste 270, Berkeley, Ca 94709-1161.~~ **NextEra Blythe Solar Energy Center, LLC, 700 Universe Blvd., JES/JB, Juno Beach, Florida 33408.**

2. These WDRs regulate the Facility's ~~eight~~ **two** evaporation ponds ~~and two LTUs~~. The evaporation ponds are designated as Class II Surface Impoundments Waste Management Units (WMU) and must meet the requirements of the California Code of Regulations (CCRs), Title 27, CCR §20200 et seq. The boundaries of the Blythe Solar Power Project are shown on **(Figure 2**), as incorporated herein and made a part of these WDRs.

3. ~~The Discharger submitted two~~ **A** Report~~s~~ of Waste Discharge (ROWD) **was submitted by the previous owner on**~~, January 6, 2010 for the LTU and~~ May 14, 20~~0~~1**0** for the **previously proposed** evaporation ponds for the Blythe Solar Power Project.

4. Definition of terms used in these WDRs:

   a. **Facility** – The entire parcel of property where the proposed Blythe Solar Power Project industrial operation or related solar industrial activities are conducted.

   b. **Waste Management Units (WMUs)** – The area of land, or the portions of the Facility where wastes are discharged. The ~~LTU and the~~ evaporation ponds are WMUs.

   c. **Discharger** – The term Discharger means any person who discharges waste that could affect the quality of the waters of the State, and includes any person who owns the land, WMU or who is responsible for the operation of a WMU. Specifically, the terms "discharger" or "dischargers" in these WDRs means **NextEra Blythe Solar Energy Center, LLC**~~Palo Verde Solar I, LLC~~.

d. Approved Project – the prior solar thermal project proposed for this property that was approved by the BLM, CEC and other agencies.

Facility Location

5. The Project site is located approximately two miles mile north of I-10 and northwest of the City of Blythe, in an unincorporated area of eastern Riverside County, California. The area inside the Project's security fence, the footprint within which all Project facilities will be located, will occupy approximately ~~5,950~~**4,138** acres of Federal land managed by the BLM.

Surrounding Land Use

6. The Facility site is vacant undeveloped desert located approximately one mile north of the Blythe Airport, two miles north of I-10, and eight miles west of the City of Blythe. The small rural community of Mesaville lies to the east of the Project site on the Palo Verde Mesa. North and west of the Project site are vacant desert lands. South of I-10 is undeveloped public and private desert land. Undeveloped and irrigated desert is located east of the site where several large and small parcels are actively farmed. The nearest residence is located in the southeast one-quarter of section 14, outside of the BLM- administered property and outside the ~~7,043~~**4,350** acre disturbance area within the overall ROW that will be disturbed by Project construction and operation. Another residential structure is located off-site between the southern boundary of the Project site, north of the Blythe Airport. No other residences are known to exist within the one-mile radius of the Project site.

7. The Project site is not located in a designated wilderness area; however, it is located near lands that are designated as wilderness lands or ACEC (NECO Maps 2-38 and 2-4). The nearest Federal wilderness areas are located on mountainous land to the northwest and south of the Project site and are referred to as the Palen/McCoy Wilderness Area, and the Chuckwalla Mountains Wilderness Area, respectively. Riverside County land uses in the study area include Open Space-Rural, Agricultural and Public Facility.

8. The Project site is vegetated with desert scrub throughout. Based on information in the NECO Plan, the Project site has not been leased for grazing by BLM.

Facility Description

9. The Project will have a nominal electrical output of **approximately** ~~1,000~~**485** megawatts (MW), ~~consisting of~~ **from four photovoltaic (PV) units**~~four adjacent, identical and independent 250-MW plants, Unit #1 through Unit #4~~**, the first three units would each generate 125 MW nominal alternating current (AC) and the fourth unit would generate approximately 110 MW AC** (**Figure 2**). **Construction of the first unit is tentatively scheduled for mid-2014, with the other units following in a phased approach. The entire project is projected to be completed within 48 months of the start of construction of the first unit.** ~~Commercial operation of Unit #1 is expected to begin in mid-2013, with commercial~~

~~operation of Unit #4 following by the second quarter of 2016, subject to timing of regulatory approvals and PVSI achievement of project equipment procurement and construction milestones. The solar thermal technology will provide 100 percent of the power generated by the Project; no supplementary energy source (e.g., natural gas to generate electricity at night) is proposed to be used for electric energy production. The Project will utilize an auxiliary boiler fueled by propane to reduce startup time and for HTF freeze protection. A second heater will be used on a limited basis for the HTF freeze protection heat exchanger during nighttime hours to keep the HTF in a liquid state when ambient temperatures are not sufficient to keep the temperature of the HTF above its relatively high freezing point (54 degrees Fahrenheit [°F]). The Project will also have one electric and one backup diesel-fueled fire water pump for fire protection.~~

10. ~~The Project proposes to use dry cooling condenser for power plant cooling.~~ Water for ~~cooling tower makeup, process water makeup, and other~~ industrial uses such as ~~mirror~~ **PV panel** washing will be supplied by up to ~~ten~~ **three** onsite wells. This source will also be used to supply water for employee use (e.g., drinking, showers, sinks, and toilets). Water received from the on-site wells will be pumped directly to a reverse osmosis (RO) treatment unit to meet the requirements of the California Department of Health Services for potable water supplies. ~~Power cycle makeup,~~ **PV panel** ~~mirror~~ washing water~~, and cooling of ancillary equipment~~ will require on-site treatment for reduction of dissolved solids, and this treatment varies according to the quality required for ~~each of~~ **this** ~~these~~ use~~s~~.

~~11. The power generation cycle will not produce cooling tower blow down because the plant will be dry cooled. A small auxiliary cooling tower will generate a small amount of blow down, which will be reused on site. No off-site backup cooling water supply is planned at this time.~~

11. ~~12.~~ The main waste stream at the site consists of industrial wastewater generated in the **RO process.**~~various processes associated with power generation. Industrial wastewater is treated via a high pH reverse osmosis at each of the four Power Units. At each Unit, the treated water is recycled to the 1,000,000-gallon Service/Fire Water tank for reuse in the process.~~ The concentrate from the RO system is discharged to lined evaporation ponds (two ~~per Unit~~ **located near the water treatment plant**). The BSPP Facility therefore includes ~~eight~~ **two** proposed evaporation ponds for waste**water** storage and disposal. Sanitary wastewater generated at **the Facility** ~~each Unit~~ is disposed of via septic systems.

12. ~~13.~~ The project will include evaporation ponds for the evaporation of brine waste from the RO plant~~ and other industrial wastes~~. There will be ~~eight~~ **two** ponds, **a total of up to 12 acres in size at the BSPP facility**~~four acres in size and, two within each power block~~. The evaporation ponds will be designed in accordance with Colorado River Basin Regional Water Quality Control Board (Regional Board) requirements.

~~14. The Project will include an LTU to treat soil contaminated with HTF. Based on the release history from the NextEra LLC Kramer Junction Facility, which is parabolic~~

~~trough solar power plant that employs HTF in the same fashion as proposed for the BSPP and also has a LTU for treatment of HTF-contaminated soil, the LTU has been designed in accordance with CCR Title 27 requirements and designed to receive about 3,332 cubic yards of impacted soil on an annual basis. There are two LTUs proposed for the Project Figure 2). The LTU will use indigenous bacteria and amendments to the soil to bioremediate HTF-affected soils to levels acceptable for reuse on the site. Characterization of the hazardous characteristics of HTF-affected soil will be established by the Department of Toxic Substances Control (DTSC) prior to operation and LTU use for soil remediation. Soils in excess of the criterion established by the DTSC will be removed from the site and transported to an appropriate treatment storage and disposal facility. Soil with HTF at concentrations below this criterion will be managed in the LTU and remediated to acceptable levels for reuse as fill on site. The unit will be designed in accordance with Colorado River Basin Regional Water Quality Control Board (Regional Board) requirements.~~

13. ~~15.~~ The estimated project life for the Project is 30 years. **In accordance with United States Department of Labor, Occupational Safety and Health Administration safety regulations, at least two qualified personnel would be present during all energized electrical maintenance activities at the facility. Site security systems would be monitored regularly by on-site personnel and an off-site 24-hour Remote Operations Center.**~~Personnel will staff the Project 24 hours per day/seven days per week. Even when the solar power plant is not operating, personnel will be present as necessary for maintenance, to prepare the Project for startup, and/or for site security.~~

14. ~~16.~~ A sanitary septic system and on-site leach field will be used to dispose of sanitary wastewater ~~within each power block~~.

Climate

15. ~~17.~~ The Project is located in an arid desert climate; therefore, there are extreme daily temperature changes, low annual precipitation, strong seasonal winds and mostly clear skies. Evaporation rates are higher than precipitation rates. Based on 60 years of data from Blythe Airport, the mean maximum temperatures in June to September exceed 100°F. Winter months are more moderate with mean maximum temperatures of high 60's to low 70's °F and minimum temperatures in the low to mid 40's °F. Although there are no average minimal temperatures below freezing point (32°F), the temperature has historically dropped below freezing point between November and March.

16. ~~18.~~ Average annual evaporation in the Facility area, based on published data at the Indio Fire Station 70 miles west of the Project site, is 105 inches, of which 87 percent of that evaporation occurs between March and October. Average annual precipitation in the Project area, based on the gauging station at Blythe Airport, is 3.55 inches, with August recording the highest monthly average of 0.63 inches and June recording the lowest monthly average of 0.02 inches. Per the National Oceanic and Atmospheric Administration (NOAA) Atlas 14 for the Southern

California area, 3.51 inches of rainfall shall fall in the 100 year, 24 hour storm event.

17. ~~19.~~ Winds in the Project area are generally south to southwest with a less frequent component of northerly winds (north through northwest). Calm conditions occur approximately 16.43% of the time, with the annual average wind speed being approximately 7.62 miles per hour (mph) (3.41 m/s).

Regional Topography and Drainage

18. ~~20.~~ The Project site is located on the alluvial fan sediments derived from the McCoy Mountains, located due west of the Project site. The topography slopes gently to the east-southeast at grades of less than one percent over most of the site. Existing topographic conditions show an average slope of about one foot in 80 feet (1.25 percent) toward the east on the west side of the BSPP, and about one foot in 200 feet (0.50 percent) toward the southeast on the east side of the site. ~~Steeper grades of 10 to 15 percent are present along the western side of the unnamed mound in Sections 5, 6 and 7, T6S R22E. A steeper grade of 50 percent was measured along the southwestern side of an unnamed knob on the northeast side of the McCoy Wash in Section 4, T6S R22E.~~ The McCoy Wash occurs about ~~2~~**4**,000 feet from the northeastern corner of the Project site trending northwest to southeast and runs between the mound and knob features described above.

19. ~~21.~~ The vast majority of the time, the Facility site is dry and devoid of any surface flow. When surface flow does occur, it is in response to precipitation. The Facility site is characterized by numerous dry washes originating on the flanks of the McCoy Mountains that lie to the west of the site. These washes enter the site where they ~~either combine (southwest corner of the site) or~~ disperse as they enter the sandier alluvial plain (northern end of the site). The conveyance capacity of the washes is limited and runoff during moderate to large events will break out of these features and be conveyed across the terrain as shallow sheet flow. In general, the drainages appear to be stable and not experiencing significant down cutting or lateral migration. Surface water flow tends to drain to the southeast towards the Colorado River.

20. ~~22.~~ The largest of these features is the McCoy Wash, which occurs about ~~2,000~~ **4,000** feet from the northeastern corner of the Facility site ~~and trends across the Facility site from northwest to southeast~~. Flow in the McCoy Wash can be as high as 4,000 cubic feet per second, as measured in 1976 during historic flooding in the watershed.

21. ~~23.~~ There are no permanent bodies of water located on the Facility site. There are no perennial streams in the McCoy Mountain watershed which impact the Facility site. No springs are listed in the area of the Palo Verde Mesa Groundwater Basin where the Facility is located, according to the NWIS database of Water Resources of the United States that is maintained by the USGS.

Flood Hazard

22. ~~24.~~ According to FEMA, no flood insurance rate maps have been created for the Project site and adjacent areas. Reviews of flood zone maps generated by the Riverside County Flood Control District also did not identify any flood zone maps for this area of Riverside County.

Regional Geology

23. ~~25.~~ The Facility is located in the northwestern Colorado Desert, in the alluvial-filled basin of the Palo Verde Mesa, which is part of the greater Colorado Desert Geomorphic Province. The basin is bound by the McCoy Mountains to the west, the Little Maria Mountains to the northwest, and the Big Maria Mountains to the northeast. This area has a generally low relief until near the surrounding mountains. In the region, the Palo Verde Valley is roughly equivalent to the recent historic floodplain of the Colorado River. Surficial deposits of late Miocene to Holocene age form most of the land surface in the area. Most of these deposits are composed of Quaternary Alluvium, underlain by the Pliocene Bouse Formation, which is in turn unconformably underlain by the Miocene Fanglomerate. These deposits are all underlain by bedrock consisting of metamorphic and igneous intrusive rocks of pre-Tertiary age, including Proterozoic schist and gneiss, Paleozoic sedimentary rocks, and Mesozoic sedimentary and metavolcanic rock sequences.

Site Specific Geology

24. ~~26.~~ The Facility is sited on the uppermost of two terraces that comprise the Palo Verde Mesa. Topography at the Facility site slopes gently away from the McCoy Mountains from the west to the southeast. Ground surface elevations at the Facility site range from ~~830~~ **580** feet above mean sea level (msl) in the west to 410 feet msl in the east.

Seismicity

25. ~~27.~~ The Project site is located in seismically active Southern California, a region that has experienced numerous earthquakes in the past. A review of the Alquist Priolo (AP) Earthquake Fault Maps and the Riverside County AP Earthquake Hazard Zone Map indicate that there are no AP fault zones present within the Project boundaries (California Division of Mines and Geology 2000, California Geological Survey 2003, 2007).

26. ~~28.~~ According to the ~~recent~~ **submitted** geotechnical investigation of the site (Kleinfelder 2009), several inferred faults have been mapped by several authors trending northwest-southeast through the area. These faults are speculative and based on geophysical data (Rostein et al., 1976). The Blythe Graben is mapped approximately six miles northeast of the site (Stone, 2006). The Blythe Graben offsets Quaternary alluvium dated between 6 to 31 thousand years old. The tectonic significance of the Blythe Graben is unknown. The location and elevation

of alluvial deposits of the McCoy wash area that have been incised by the McCoy Wash and other drainages suggest that tectonic uplift may have affected this area since the Pliocene epoch (within the last 5 million years). This uplift could be related to faulting, or regional uplift associated with the basin and range extension. Because the speculated faults in the area are not considered active, and there is no direct evidence of active faulting on the site, the risk associated with surface rupture from active faults at the site is considered very low. Regardless of whether there are faults across the site, because the Project is located in a seismically active area, all Project structures must be designed to comply with the California Building Code (CBC) and Universal Building Code (UBC) Zone 3 requirements. The CBC and UBC are considered to be standard safeguards against major structural failures and loss of life. The goals of the codes are to provide structures that will:

a. Resist minor earthquakes without damage;

b. Resist moderate earthquakes without structural damage but with some non-structural damage; and

c. Resist major earthquakes without collapse but with some structural and non-structural damage.

27. ~~29.~~ The CBC and UBC base seismic design on minimum lateral seismic forces ("ground shaking"). The CBC and UBC requirements operate on the principle that providing appropriate foundations, among other aspects, helps to protect buildings from failure during earthquakes.

Ground Rupture

28. ~~30.~~ The Project site is not located within a State of California Earthquake Fault Zone designated by the Alquist-Priolo Special Studies Zone Act of 1972 (formerly known as a Special Studies Zone), an area where the potential for fault rupture is considered probable (Riverside County, 2008). In addition, no Quaternary, Sufficiently Active, or Well Defined Faults are located under or near the Site. Based on this information and engineering judgment, earthquake-induced ground rupture is not considered to be a significant hazard at the Site.

Slope Stability

29. ~~31.~~ The Site is not considered to be an area with the potential for permanent ground displacement due to earthquake-induced landslides because surface topography at and near the site is relatively flat (Riverside County, 2008). A review of the Riverside County General Plan, Safety Element, did indicate areas considered susceptible to earthquake induced landslides and rock falls in the McCoy Mountains; however, these areas are several miles from the Site and are not expected to impact the Project. Based on this information and engineering judgment, slope instability is not considered to be a significant hazard at the Site.

Erosion

30. ~~32.~~ Erosion is the displacement of solids (soil, mud, rock, and other particles) by wind, water, or ice and by downward or down-slope movement in response to gravity. Due to generally flat terrain, the Project site is not prone to significant mass wasting (gravity-driven erosion and non-fluvial sediment transport) at present. The Riverside County General Plan, Safety Element (Riverside County, 2008), indicates the Site is in an area with moderate potential for wind erosion, the off-site linears are in areas with moderate to high potential for wind erosion. Soil characteristics at the Project site allow for the potential for wind and water erosion, and significant sediment transport currently occurs across the valley axial drainage that crosses the majority of the proposed plant site. As indicated above, these valley axial deposits are characterized by subdued bar and swale topography and ongoing deposition from sheet floods. Limited sand and aeolian erosion also occurs between depositional episodes.

31. ~~33.~~ To address the management of sediment transport, erosion and sedimentation during operation, the project design ~~will~~ **may** incorporate **minor** diversion berms **and**~~,~~ channels~~, and dispersion structures~~. The final design for these features will be developed during detailed design, and will include industry-standard calculations and modeling to reduce the potential for erosion or sedimentation, and to reduce the need for ongoing maintenance. Dirt roads and exposed surfaces will be periodically treated with dust palliatives as needed to reduce wind erosion. Construction and maintenance of the proposed drainage and sediment management system at the Site is expected to reduce water and wind erosion at and downstream of the Site to less than significant levels.

Liquefaction

32. ~~34.~~ Liquefaction is a soil condition in which seismically induced ground motion causes an increase in soil water pressure in saturated, loose, uniformly-graded sands, resulting in loss of soil shear strength. As a result, the effects of liquefaction can include loss of bearing strength, differential settlement, ground oscillations, lateral spreading, and flow failures or slumping. Liquefaction occurs primarily in areas where the groundwater table is within approximately 50 feet of the surface (Riverside County, 2008). The depth to water beneath the Site is estimated to be approximately 195 feet bgs. In addition, the sandy soils encountered in the upper 100 feet beneath the Project site during geotechnical drilling are generally dense and well graded. Dense, well-graded sands are not generally considered susceptible to liquefaction. Based on this information and engineering judgment, the potential for liquefaction hazard at the Project site is considered to be low. The potential for liquefaction will be further evaluated as part of the Final Geotechnical Investigation for the Project, and if necessary, design parameters to address identified conditions will be incorporated into the detailed project design.

Differential Settlement

33. ~~35.~~ Seismically induced settlement can occur during moderate and large earthquakes in soft or loose, natural or fill soils that are located above the ground water table, resulting in differential settlement. The settlement can cause damage to surface and near-surface structures. The most susceptible soils are clean loose granular soils. Due to the expected dense to very dense nature of the near surface soils, the potential for damage due to seismically induced settlement is considered to be low at the Project site. The potential for seismically-induced settlement will be further evaluated as part of the Final Geotechnical Investigation for the Project, and if necessary, design parameters to address identified conditions will be incorporated into the detailed project design.

Collapsible Soil Conditions

34. ~~36.~~ Alluvial soils in arid and semi-arid environments can have characteristics that make them prone to collapse with increase in moisture content and without increase in external loads. Soils that are especially susceptible to collapse or hydrocompaction in a desert environment are loose dry sands and silts, and soils that contain a significant fraction of water soluble salts. Overall soil gradation observed at the Facility site trended from coarser- to finer-grained alluvial deposits as distance from the McCoy Mountains increased. The ground surface in the western portion of the Project site is dominated by areas of desert pavement with layers of flat-lying gravel overlying finer-grained sandy materials. East toward Black Creek road, the surface becomes less dominated by desert pavement and becomes sandier. Soils observed at the Facility site have a low permeability and high runoff potential. Based on this data and engineering judgment, the site soils do not have a significant potential for hydrocompaction or collapse. The potential for hydrocompaction and soil collapse will be further evaluated as part of the Final Geotechnical Investigation for the Project, and if necessary, design parameters to address identified conditions will be incorporated into the detailed project design.

Expansive Soil

35. ~~37.~~ Expansive soil is predominantly fine grained and contains clay minerals capable of absorbing water in their crystal structure. It is often found in areas that were historically a flood plain or lake area, but can also be associated with some types of shale, volcanic ash or other deposits, and can occur in hillside areas also. Expansive soil is subject to swelling and shrinkage, varying in proportion to the amount of moisture present in the soil. As water is initially introduced into the soil (by rainfall or watering) expansion takes place. If dried out, the soil will contract, often leaving small fissures or cracks. Excessive drying and wetting of the soil can progressively deteriorate structures that are not designed to resist this effect, and can lead to differential settlement under buildings and other improvements. The surficial soils at the site generally consist of predominantly granular soils that do not contain much clay and are not subject to significant expansion hazards. The potential for expansive soils will be further evaluated as part of the Final

Geotechnical Investigation for the Project, and if necessary, design parameters to address identified conditions will be incorporated into the detailed project design.

36. ~~38.~~ Based on the above information, the cut and fill slope dimensions and earthwork requirements will be adequate to address the stability of the evaporation ponds ~~and LTU~~ for the life of the project and no further analysis is warranted.

Regional Hydrogeology

37. ~~39.~~ The Project is located in the alluvial-filled basin of the Palo Verde Mesa. Regionally, this valley formed as a structural depression or a pull-apart basin and is composed of two broad geologic units, consolidated rocks and unconsolidated alluvium (Metzger et al 1973). The consolidated rocks consist of pre-Tertiary age igneous and metamorphic rocks, which form the basement complex, and in some locations, Tertiary-age volcanic rocks that overlie the basement complex. The consolidated rocks are nearly impermeable except for areas where fracturing or weathering has occurred. It is uncertain the extent that these rocks yield water to the alluvium. The flux of groundwater into and out of the bedrock is unknown and has not been described in the literature reviewed for this project.

Hydrostratigraphy

38. ~~40.~~ The geologic units that are important in an evaluation of the water resources in the Palo Verde Mesa area are thought to be the Miocene-age Fanglomerate, the Pliocene-age Bouse Formation, and the fluvial deposits of the Colorado River. According to Metzger et al (1973), the Miocene-age Fanglomerate is made up chiefly of cemented gravel composed of poorly-sorted pebbles and some fine-grained material with a provenance from a nearby source. The Fanglomerate represents composite alluvial fans deposits that built up from local mountains as the fans prograded toward the valley. Because the Fanglomerate was deposited on an irregular surface having considerable local relief, it varies widely in thickness. Locally, the Fanglomerate may be absent, but at some places (e.g., Milpitas Wash area), it is at least 2,100 feet thick. Near Parker, Arizona, wells with specific capacities as much as 15 gallons per minute per foot of drawdown (gpm/ft) have been reported in the Fanglomerate (Metzger et al 1973). The Fanglomerate was not encountered during the drilling of test well TW-1, which was installed to a depth of 405 feet below ground surface (bgs) as part of the assessment of site conditions for the Application for Certification (AFC) **that was developed for the prior solar thermal project**.

39. ~~41.~~ The Bouse Formation is of Pliocene age and is composed of tufa and basal limestone overlain by interbedded clay, silt, and sand (Metzger et al 1973). These sediments were deposited in an embayment of the Gulf of California. According to Metzger et al (1973), the Bouse Formation rests unconformably on the Miocene Fanglomerate and the contact between the two formations is sharp. Near Blythe, the Bouse is overlain by younger alluvium and occurs at a depth of about 600 feet beneath unit B of the alluvium. The thickness of the formation is relatively uniform

throughout the area. Near the town of Parker, Arizona (about 60 miles northeast of the BSPP site), the Bouse Formation was measured at a thickness of 767 feet in well LCRP-27 that was drilled by the United States Geological Survey (USGS). In the Palo Verde Valley at well LCRP-22, the basal limestone is 5-feet thick whereas south of Cibola, Arizona, the limestone is about 100- feet thick. The interbedded sequence of clays, silt, and sand that overlie the basal limestone is by far the thickest unit in the Bouse Formation, occurring in sequences over 700 feet in the Parker-Blythe-Cibola area, according to Metzger et al (1973). With respect to water-bearing characteristics, the Bouse Formation can be divided into two zones: an upper and a lower zone (Metzger et al 1973). The upper zone is an aquifer whereas the lower zone is an aquitard. The results of pumping tests, as reported by Metzger et al (1973), indicate that specific capacities as high as 15 gpm/ft of drawdown may be obtained from the upper zone. In contrast, the best that may be expected from the lower zone is 1 to 2 gpm/ft Sediments of the Bouse Formation were not encountered during the drilling of test well TW-1 during the hydrolgeologic investigation conducted as part of the AFC.

40. ~~42.~~ The contact between the Bouse Formation and the overlying deposits of the Colorado River is erosional irregular surface. The alluviums of the Colorado River are the result of several broad periods of sediment deposition (aggradation) and erosion (degradation) by the Colorado River.

41. ~~43.~~ The fluvial deposits of the Colorado River are divided into older and younger alluvium (Metzger et al 1973). They defined the younger alluvium as the sediment deposit representing only the youngest aggradation by the Colorado River, whereas older alluviums are the deposits of several degradations and aggradations. In well 6S/23E-32E1, located approximately 7.5 miles east of the BSPP site, the bottom of the Colorado River fluvial deposits reportedly occurs to a depth of about 506 feet bgs.

42. ~~44.~~ The older alluvium is comprised of a basal-cemented gravel overlain by inter-layered sequences of sand and pebbly sand, with lenses of cobble gravels and silt and clay. The gravels consist of quartzite, limestone, and chert clasts derived from local mountain sources. In the Blythe area, this sequence has been measured as much as 600 feet thick. The lenses of cobble-gravel beds yield copious amounts of water according to Metzger et al (1973). The contact between the older and younger alluvium is between the present floodplain of the Colorado River and the bordering terraces, alluvial slopes, or bedrock.

43. ~~45.~~ The younger alluvium is composed of a basal gravel overlain by sand. The younger alluvium is generally from 90 to 125 feet thick above its basal gravel (Metzger et al 1973). The basal gravel may be absent locally in the Palo Verde Mesa, but the alluvium is continuous throughout the flood plain

On-site Drainage

44. ~~46.~~ On-site storm water management for the completed facility will be provided through the use of source control techniques, site design and treatment control.

~~The storm flows from the solar collector arrays will be treated through the use of swales, and ditches.~~

~~47. Locations within the power block for the potential of chemical or oil releases will be fully contained. Rainfall within the containment areas will be allowed to evaporate or will be drained through an oil water separator. Locations within the power block where "contact" storm water may occur will be contained within a system of curbs or trenches. Drains from these curbed areas or containment trenches will be directed to an oil water separator. The oil separated and captured within the oil water separator will be trucked off-site to a licensed disposal/recycling facility. Clean water discharged from the oil water separator will be used on Project site by discharging it to the cooling tower or to the raw water storage tank. The water discharge from the oil water separator will not be discharged to the storm water system.~~

Facility Operational Water

47. ~~48. The Project will be dry cooled.~~ The Project's various water uses include water for ~~solar collector mirror~~ **PV panel** washing, ~~makeup for the SSG feed water~~, dust control, ~~water for cooling plant auxiliary equipment,~~ potable water and fire protection. Water needs for the Project will be met by use of groundwater pumped from wells on the Project site. The estimated water supply need for the Project operation is approximately ~~600~~ **30 to 40** acre-feet per year.

Evaporation Ponds (Design and Installation Sequence)

48. ~~49.~~ The containment strategy for the evaporation ponds is summarized as follows:

    a. Meet or exceed regulatory requirements for containment of waste fluids;

    b. Select materials that are compatible with the physical, chemical and thermal characteristics of the water and contaminated soils being contained;

    c. Protect against physical damage to the containment layers by including protective layers into the designs of each containment facility;

    d. Allow for occasional removal of contained media without otherwise damaging the integrity of the containment systems; and

    e. Include the ability to monitor the integrity of the containment system, to transfer fluids out of permeable layers on a continuous basis, and to transfer fluids from one evaporation pond to another.

49. ~~50. Each 4.0 acre~~ **The two** evaporation pond**s will cover up to 12-acres and have** ~~has~~ a proposed design depth of ~~five~~ **eight** feet which incorporates:

    a. ~~Rotating pond use every 4 months over the life of the project~~ **Cleaning out each pond every 8 to 10 years over the 30 year life of the project;**

b. **3**~~2~~ feet of operational depth;

c. ~~1 foot of sludge build up over 30 years~~ **Up to 3 feet of sludge build up between each clean out cycle**; and

d. 2 feet of freeboard.

50. ~~51.~~ The containment design for the evaporation ponds, from the surface of the evaporation ponds downwards, consists of the following:

a. A hard surface / protective layer;

b. A primary 60 mil high density polyethylene (HDPE) liner;

c. An interstitial leak detection system (LDS) comprising a drainage layer and piping;

d. A secondary 40 mil HDPE liner; and

e. A 2 foot thick compacted silty-sand base.

51. ~~52.~~ The hard surface / protective layer provides protection against accidental damage to the HDPE liners which could be caused by burrowing animals, falling objects, varying climatic conditions and worker activities. Second, the hard surface / protective layer will allow for occasional removal of the precipitated solids within the evaporation ponds. Various hard surface media such as reinforced concrete, roller compacted concrete, revetments, or combinations of these media will be assessed prior to the selection of the preferred option.

52. ~~53.~~ High density polyethylene (HDPE) was selected as the preferred fabric for the primary and secondary liners for the following reasons:

a. It is chemically resistant to potentially high concentrations of dissolved salts;

b. It is very durable during installation;

c. It is strong and possesses desirable stress-strain characteristics; and

d. It is the most common synthetic liner material and as such there is a broad base of practical experience associated with the installation of HDPE amongst construction contractors.

53. ~~54.~~ A 60 mil upper liner was selected to provide appropriate balance between strength and ductility characteristics, which is very important during liner installation. A non-woven geotextile will be installed on top of the 60 mil liner to act primarily as a protective layer. A 40 mil lower liner was selected for the lower and secondary liner to provide slightly better ductility and handling

characteristics during installation, as strength is of lesser importance for the secondary liner. HDPE possesses large thermal expansion and contraction characteristics, and exhibits stress when liner temperature exceeds 122 ^{o}F. ~~The temperature of the blowdown water is not expected to exceed 122°F.~~

54. ~~55.~~ A 2 foot thick basal layer of compacted silty sand is included in the design profile to protect the underlying groundwater in the unlikely event that both synthetic liner materials are punctured during construction or operation of the evaporation ponds. This base layer also serves to provide a smooth, competent surface to support the overlying synthetic liners and leak detection system layers.

Leak Detection System

55. ~~56.~~ A drainage layer is included in the design profile for the evaporation ponds which consists of a granular drainage layer with perforated piping to collect and convey fluids to an extraction riser in a leak detection sump (LDS). Geocomposite drainage materials, consisting of HDPE geonet and nonwoven geotextiles heat bonded to one or both sides, may be used in conjunction with or as a substitute for the granular drainage layer on slopes.

56. ~~57.~~ The water collected in the LDS will drain by gravity to a unique monitoring well that is constructed for each of the leak collection layer. Automated pneumatic, solar-powered pumping systems are included in the design of each of these monitoring wells to automatically return water to that pond, which in turn minimizes the hydraulic pressures across the secondary liners and therefore the risk of impact to groundwater quality.

57. ~~58.~~ The base of the evaporation pond leak detection and collection layer will slope at a minimum inclination of 1 percent to a leak collection trench. The trench will contain screened sand (with no fines) and a perforated pipe that will slope at a minimum inclination of 3/4 percent towards a leak detection and collection sump, located at the lowest point in the pond. The water in the collection sump will drain by gravity to a monitoring well that is constructed for each evaporation pond (one well per pond). Automated pneumatic pumping systems in the monitoring wells will automatically return water collected in the sump to that evaporation pond, which in turn minimizes the hydraulic pressures across the secondary liners and, therefore, minimizes the risk of leakage through the secondary liner. Leakage rates will be measured using a flow totalizer.

58. ~~59.~~ The collection sump, pipe, and monitoring well, will include prefabricated and field-fabricated HDPE components with water tight, extrusion welded and wedge-welded seams and penetrations. The liner system will be installed in accordance with current practices. Destructive and non-destructive testing procedures will be used to verify sump and penetration tightness and continuity.

59. ~~60.~~ This design is consistent with CCR Title 27, Section 20340, which requires an LDRS between the liners for the evaporation ponds.

60. ~~61.~~ The side slopes around the evaporation ponds will contain the same liner system as the base of the ponds, except that leak collection pipes will not be located on the pond side slopes.

61. ~~62.~~ The berms shall be covered with a minimum 6-inch thick road base or approved equivalent. The top of the berms will be a minimum of 2 feet above the surrounding grade to prevent potential inflow of stormwater.

62. ~~63.~~ The wastewater will come into contact with the hard surface/protective layer. The media for this layer will either be roller-compacted concrete or an approved equivalent alternate. All final media selection will be compatible with the wastewater by using quality concrete with maximum chemical resistance (specifications will be provided to the concrete manufacturer to ensure proper mix selection).

63. ~~64.~~ If there is leakage in the evaporation pond, the wastewater will come into contact with the primary/secondary liner. HDPE is chemically resistant to saline solutions and long-term contact between the wastewater in the evaporation ponds and the HDPE liner system will not compromise liner integrity.

64. ~~65.~~ The hard surface/protective layers, liner system, and base layer will have the ability to withstand the dissolved solids content of the water without degradation. These systems will not fail due to pressure gradients from physical contact with the wastewater and residue or undergo chemical reactions or degradation.

65. ~~66.~~ The containment construction process will follow these general steps:

    a. Prior to construction, the topsoil and subsoil covering the area will be stripped and stockpiled.

    b. Placement and compaction of the silty sand base material;

    c. Installation of the carrier pipe for the moisture detection (neutron probe) system beneath the base of the ponds;

    d. Construction of finish grading to sub grade, as needed, and excavation of the leak collection trench and detection/collection sumps.

    e. Scarification, moisture conditioning, compaction, proof rolling and testing of sub-grade materials;

    f. Installation of secondary HDPE liner;

    g. Installation of leak detection layer, sump, and leak extraction risers;

    h. Installation of primary HDPE liner;

    i. Installation of the non-woven geomembrane liner;

j. Installation of granular fill;

k. Installation of liner protection layers; and

l. Hard surface placement.

Waste Classification

66. ~~67.~~ Wastewater from ~~several processes~~ **the water treatment units (e.g. reverse osmosis)** within the Facility will be piped to **the** two ~~4.0-acre~~ evaporation ponds ~~per Unit~~ (total combined area of **12**~~8~~ acres ~~per Unit~~) for disposal. The pond area provides sufficient evaporative capacity to dispose of the anticipated wastewater stream, and allows for one pond to be taken out of service for up to approximately **ten**~~three~~ years for cleaning, potential future maintenance, and repair without impacting the operation of the plant. Raw water for the Facility is supplied from groundwater wells. ~~Discharge into the evaporation ponds are from two sources:~~

~~a. High pH RO (Reverse Osmosis Concentrate; and~~

~~b. Stormwater runoff from the proposed bioremediation and land farm units used to treat soil affected spills by Heat Transfer Fluid (HTF).~~

Wastewater Discharge

67. ~~68.~~ The estimated concentrations of chemical constituents in the wastewater discharge to the evaporation ponds **based on the approved solar thermal project** are provided in the **Table 1**, Raw Water Quality and Estimated Chemistry of Wastewater Flows. The total concentrations of chemical constituents estimated in the evaporation pond residue that will accumulate in the ponds during operation **of the previously proposed project** are provided in **Table 2**. **These values were calculated for the Approved Project and will be the same or lower for this Modified Project.**

68. ~~69.~~ Classification of wastewater and evaporation pond residue is summarized in the Classification of Wastewater and Evaporation Pond Residue **Table 3** below.

69. ~~70.~~ Testing of this material will be conducted as part of the facility monitoring program to verify this characterization. The evaporation pond residue accumulated in the ponds is non hazardous; however, it does contain pollutants which could exceed water quality objectives if released, or that could be expected to affect the beneficial uses of waters of the state. Therefore, the evaporation pond residue is classified as a “designated waste.”

Evaporation Residue

70. ~~71.~~ During the 30-year operating life of the Project, it is estimated that up to ~~1~~**3** foot of residue may accumulate in the bottoms of the evaporation ponds that consists of

precipitated solids from the evaporated wastewater. The total amount of accumulated residue **was** ~~is~~ estimated to be approximately 23,000 tons **for the Approved Project, and will be less for the Modified Project**. The predicted chemical makeup of the residue, based on information about the raw water chemistry and knowledge of the water use and treatment processes at the Project, is summarized in **Table 3**, Estimated Chemistry of Evaporation Pond Residue.

~~**Land Treatment Unit**~~

~~72. In compliance with Table 2.1 in CCR Title 27, Chapter 3, Subchapter 2, Article 2, Section 20210, solid designated wastes will be managed in full containment in a Class II LTU with a single liner system. The LTU will be constructed to be above the level of a 100-year storm event and designed to meet seismic hazard criteria. In addition, the base of the LTU will have a greater than 5-foot separation between it and the underlying groundwater.~~

~~73. The LTU will not incorporate a liner containment system or leak detection and removal system, but will be constructed with a prepared base consisting of two feet of compacted, low permeability, lime-treated material. This base will serve as a competent platform for land treatment activities, and will serve to slow the rate of surface water infiltration in the treatment area. The compacted lime-treated and native soil beneath the LTU is designated as a "treatment zone" to a depth of five feet. Although the LTU will be taking vehicle traffic, no hard surface will be required, as there is no liner system to protect. A staging area is allocated in the LTU for storage of HTF-impacted soils while they are being characterized. Soil characterized as hazardous will be removed from the site; therefore, no additional liner system is required in the LTU to cater for the hazardous waste.~~

~~74. The LTU will be surrounded on all sides by a 2-foot high compacted earthen berm with side slopes of approximately 3:1 (horizontal: vertical). These berms will control and prevent potential inflow (run on) of surface storm water into the LTU or runoff of storm water from the unit.~~

~~a. The Project LTU is sized based on data from an existing solar farm that uses an LTU to bioremediate HTFimpacted soil. The basis is summarized below:~~

~~b. HTF-impacted soil is generated at a rate consistent with existing solar farm experience. Kramer Junction is a 150 MW facility that generates an average of 500 cubic yards (cyd) of HTF-impacted soil per year (DTSC correspondence, 1995). This rate is ~ 3.3 cyd/year/MW~~

~~c. Applying the Kramer Junction experience to the 1000 MW Blythe facility, the Blythe facility is estimated to generate ~3,332 cyd/year of HTF-impacted soil.~~

~~d. HTF-impacted soil is treated in 6-inches thicknesses, so, on average, 180,000 square feet or 4.1 acres is needed for HTF-impacted generated per year~~

e. ~~The LTU will be used for either placement of HTF-impacted soil or treatment of HTF-impacted soil. That is at any one time the LTU is used to place material to be treated as it is generated or being used for soil treatment. HTF-impacted soil treatment is estimate to take 1 to 4 months to complete bio remediation; however the design of the LTU will allow soil placed at the beginning of the year to have up to twelve months to complete bioremediation and removal.~~

75. ~~To address above average spill events, Kramer Junction has additional capacity in the LTU or a factor of safety for HTF-impacted soil treatment. Kramer Junction has a capacity to treat 1,944 cyd/year and generates an average of 500 cyd/year of HTF-impacted soil, so the facility has ~ a 3.9 factor of safety. Applying this factor of safety to Blythe, the total area estimated for LTU is ~700,000 square feet or 16 acres.~~

76. ~~Treatment of HTF-impacted soil in the LTU will involve moisture conditioning and may involve addition of nitrogen and phosphorous nutrients (i.e., fertilizers) as needed to stimulate consumption of HTF by the indigenous bacteria. The HTF-impacted soil will be moisture conditioned and turned periodically as needed to enhance aeration, promote breakdown of HTF by the indigenous bacteria and/or to control dust emissions. Permanent or portable irrigation sprinklers will supply water to the area for dust control and to assist in treatment.~~

77. ~~Treatment piles may be covered by plastic sheeting as needed to enhance temperature and moisture retention characteristics, and as needed to control storm water contact, odors and dust emissions.~~

78. ~~The base layer construction process will follow these general steps:~~

    a. ~~Prior to construction, the LTU will be stripped, grubbed and cleared of topsoil;~~

    b. ~~General excavation and grading to sub grade will take place as needed;~~

    c. ~~Scarification and moisture conditioning of sub grade materials will take place; and~~

    d. ~~Placement, moisture conditioning, lime treatment, and compaction of native clayey silt material to form the base and perimeter berms will be completed before proof rolling after finish grading.~~

79. ~~The LTU pad and berm construction will use standard cut and fill techniques. Native clayey silt material will be used to construct the pad and berms. The clayey silt material will be moisture conditioned and treated with at least 2 percent quicklime to achieve an R-Value of at least 40 to 50. Treatment and compaction of the material will be conducted using standard commercial lime treatment methods and equipment and compacted in lifts using a sheeps foot roller. The lime treated layer will be compacted to a minimum of 95 percent of the maximum dry density as determined by American Standard for Testing and Materials (ASTM) D1557. Field testing of the density of the soil will be performed at regular intervals. Compaction~~

~~results will be recorded. After finish grading, the surface of the LTU pad and berms will be proof rolled.~~

~~Waste Classification~~

~~80. The HTF-affected soils will be characterized as hazardous or non hazardous waste prior to determination of whether the material can be treated at the LTU or must be removed for off-site disposal. Therefore, HTF affected soils will be relocated to a temporary staging area in the LTU and characterized consistent with U.S. Environmental Protection Agency (EPA) protocols. Soil sample of excavated HTF-affected soil will be collected in accordance with the EPA's current version of the manual "Test Methods for Evaluating Solid Waste" (SW-846) and the waste material will be characterized in accordance with State and Federal requirements. Soil samples will be analyzed for HTF constituents (Biphenyl and Diphenyl Ether) using modified EPA Method Modified 8015.~~

~~81. Prior to operation of the LTU and initiation of any on-site remediation of HTF, the waste stream will be characterized and a waste classification determination rendered by the DTSC. Initially, in addition to sampling for HTF, soil samples will also be analyzed for ignitability and toxicity using appropriate State and Federal methods to characterize the waste as hazardous or non-hazardous. Once a sufficient data set has been accumulated to allow characterization of the material as hazardous or non-hazardous waste based on HTF content and generator knowledge, the DTSC will be petitioned for a determination of waste classification for HTF-affected soils generated at the facility. Following this determination, subsequent samples will only be analyzed for HTF to determine disposition of the waste either for remediation or for transportation and disposal off site. If the soil is characterized as a hazardous waste, the impacted soils will be transported from the site by a licensed hazardous waste hauler for disposal at a licensed hazardous waste landfill or treatment storage and disposal facility (TSDF).~~

~~82. Based on the classification practice and management of similar waste stream at the Kramer Junction Solar Electric Generating System (SEGS) facility in Kern County, it is anticipated that soil containing 10,000 mg/kg HTF or more will be managed as hazardous waste, and that soil containing less than 10,000 mg/kg HTF will be non-hazardous waste and can be managed at the site. At the Kramer Junction facility, the DTSC issued a letter dated April 4, 1995, stating that soil contaminated with HTF "poses an insignificant hazard" and classifies the waste as non-hazardous for soils with a concentration of less than 10,000 mg/kg HTF pursuant to CCR Title 22, Section 66260.200(f). Given that the formulation of HTF has not changed significantly since this determination, it is anticipated that future waste characterization at BSPP will yield a similar result although the DTSC has indicated that this decision will be made on a project specific basis and the Kramer Junction classification does not necessarily ensure the same classification for the BSPP.~~

~~83. All HTF-affected soil classified as a hazardous waste will be removed for the site for proper off-site disposal; therefore the material in the LTU will be managed as a~~

~~non-hazardous "designated waste" as defined in CCR Title 23, Chapter 15, Section 2522. Based on waste discharge requirements for similar sites, soil containing HTF in concentrations less than 100 mg/kg will not be regulated as a waste and could be reused as fill on site.~~

~~Waste Management~~

~~84. The LTU will be used to treat HTF-affected soil at various concentrations. Spills of HTF will be cleaned up within 48 hours and affected soil will be moved to a temporary staging area in the LTU where it will be placed on 60-mil plastic and covered with plastic sheeting pending receipt of analytical results and characterization of the waste material. As possible, free liquids will be removed using a vacuum truck. The liquids will be filtered and reused to the extent possible and reintroduced into the process. Filtrate that cannot be reused will be characterized, as appropriate (though will likely be managed as hazardous waste, as the concentration in the filtrate will likely be more than 10,000 mg/kg HTF).~~

~~85. No HTF-affected soils characterized as hazardous waste will be disposed or treated on site. As stated previously, it is anticipated that soil containing 10,000 mg/kg HTF or more will be managed as hazardous waste, and that soil containing less than 10,000 mg/kg HTF will be managed at the site as non-hazardous waste. If the soil is characterized as a non-hazardous waste, it will be spread in the LTU for bioremediation treatment. In general, within the LTU, more highly contaminated soil will be covered with plastic sheeting to prevent contact with storm water and to control potential odors and emissions, as well as for moisture and temperature retention. Once the soil has been treated to a concentration of less than 100 mg/kg HTF, it will be moved from the LTU to another portion of the site until it is reused at the Project site as fill material.~~

~~86. Based on available operation data from other sites, it is anticipated that approximately 1,666 cubic yards (on average) of HTF-affected soil may be treated per year. Larger or smaller quantities could be generated during some years, depending on the frequency and size of leaks and spills.~~

~~87. A Spill Prevention, Control, and Countermeasure (SPCC) Plan will be developed for the Project (refer to Section 13.4 for details). Periodically, equipment failures in and around mirror fields are expected at the Project that may result in spills of HTF onto soil.~~

~~88. Excess wastewater or rain fall may occasionally accumulate in the LTU. The LTU has been constructed with 2-foot high berms such that storm water will not drain into or from the LTU. Based on the frequency of storms in the area, it is anticipated accumulation of rainwater within the containment would occur on a yearly basis. Water that accumulates within the LTU will be sampled for HTF and amendments as described in Section 12. If HTF is not detected above the practical quantitation limit (PQL) and amendment concentrations (i.e., nitrate, phosphate, TDS) are at or near background groundwater concentrations and below State of California primary or secondary maximum contaminant levels the water may be reused in the~~

~~plant process. If HTF is detected and amendment concentrations exceed background or drinking water standards the waste will be properly disposed of at a licensed TSDF.~~

Hazardous Waste

71. There will be a variety of chemicals stored and used during construction and operation of the project. The storage, handling, and use of all chemicals will be conducted in accordance with applicable laws, ordinances, regulations, and standards.

72. Hazardous materials will be stored in proper containers in material yards and designated construction areas. Cleanup materials (spill kits) will also be stored in these areas. Fuel, oil, and hydraulic fluids used in on-site vehicles will be transferred directly from a service truck to construction equipment and will not otherwise be stored on site.

73. Designated, trained service personnel will perform fueling either prior to the start of the workday or at completion of the workday. Service personnel and construction contractors will follow SOPs for filling and servicing construction equipment and vehicles.

~~74. Any HTF impacted soil classified as hazardous will be removed from the LTU staging area after the initial characterization. The evaporation ponds will not contain hazardous wastewater or sludge as it is illegal to discharge hazardous waste into surface impoundments under the Toxic Pits Cleanup Act of 1984.~~

Basin Plan

74. ~~75.~~ The Water Quality Control Plan for the Colorado River Basin Region of California (Basin Plan) was adopted on November 17, 1993, and designates the beneficial uses of ground and surface water in this Region.

75. ~~76.~~ The Basin Plan designates beneficial uses for surface waters in each watershed of the Colorado River Basin region. Beneficial uses of surface waters within the Facility area and vicinity that could be impacted by the Facility include:

    a. Agricultural use

    b. Municipal use

    c. Industrial use

    d. Recreational use

    e. Groundwater recharge

    f. Wildlife habitat

g. Preservation of Rare, Threatened, or Endangered Species

76. ~~77.~~ The beneficial uses of ground water in the Imperial Hydrological Unit are:

a. Municipal Supply (MUN)

b. Industrial Supply (IND)

c. Agricultural supply

Monitoring Parameters

77. ~~78.~~ Based on the chemical characteristics of the projected discharges to the evaporation ponds from wastewater, the following list of monitoring parameters are required. These specific parameters are selected because they provide the best distinction between the wastewater and the groundwater in the Project area that can be used to differentiate a potential release that could change the chemical composition of the groundwater.

a. Cations: Antimony, Arsenic, Barium, Cadmium, Calcium, Total Chromium, Cobalt, Copper, Lead, Mercury, Nickel, Selenium, Zinc;

b. Anions: Chloride and Sulfate; and

c. Other: ~~HTF,~~ Total Dissolved Solids, Specific Conductivity, and pH.

California Environmental Quality Act (CEQA)

78. ~~79.~~ The California Energy Commission (CEC) is the lead agency under the California Environmental Quality Act (CEQA) (Public Resources Code Section 21000 et seq.) for all thermal power plants with power ratings of 50 MW or more. **The CEC's authority to permit this PV project has been extended through special legislation.** The CEC's power plant licensing process is a CEQA-equivalent process. The CEC will coordinate reviews and approvals with the regulatory agencies to ensure that the proposed project meets CEQA requirements. This includes obtaining these WDRs from the staff of the Regional Board. The CEC will certify this project and will include these WDRs as conditions of certification in accordance with the Warren-Alquist Act.[1]

[1] The Warren-Alquist State Energy Resources Conservation and Development Act is the authorizing legislation for the California Energy Commission. The Act is codified at Public Resources Code (PRC) Section 25000 et seq.. PRC Section 25500 establishes the Commission's authority to certify all sites and related facilities for thermal power plants with power ratings of 50 megawatts or more. The section further declares that "the issuance of a certificate by the commission shall be in lieu of any permit, certificate, or similar document required by any state, local or regional agency, or federal agency to the extent permitted by federal law, for such use of the site and related facilities, and shall supersede any applicable statute, ordinance, or regulation of any state, local, or regional agency, or federal agency to the extent permitted by federal law."

Monitoring and Reporting Program

79. ~~80.~~ The monitoring and reporting requirements in the Monitoring and Reporting Program (Appendix **D**~~C~~), and the requirement to install groundwater monitoring wells, are necessary to determine compliance with these WDRs, and to determine the Facility's impacts, if any, on receiving water.

Table 1: Raw Water Quality and Predicted Chemistry of Wastewater Streams

	Supply Water[1]	Wastewater To Evaporation Pond[2]	STCL[3]	TCLP[4]
24-Average Flow Rate (GPM)		8.748	---	---
Peak Operation Flow Rate (GPM)		14.636	---	---
Constituent	(mg/L)	(mg/L)	(mg/L)	(mg/L)
CATIONS				
Calcium	287	369	---	---
Magnesium	60	185	---	---
Sodium	457	14818	---	---
Potassium	11	198	---	---
ANIONS				
M-Alkinity			---	---
Sulfate	970	17918	---	---
Chloride	559	10325	---	---
Nitrate	1	12	---	---
Silicon Dioxide	15	277	---	---
GENERAL WATER QUALITY				
Bicarbonate			---	---
Carbonate			---	---
OH		2	---	---
P-Alkalinity				
pH	7.2		---	---
Spec Cond	3338	61676	---	---
TDS	2,170	40089	---	---
Total Hardness (CaC03)				
Turbidity	1.6	136		
Total Phosphate	0.3		---	---
Fluoride	1.3	24	180	---
Barium	0.017	0	---	---
Iron	0.123	2	---	---
Total Suspended Solids	1	0	---	---
Biological Oxygen Demand	1	0	---	---
TRACE METALS				
Boron	1.41	26.042	--	--
Copper	0.01	0.175	25	--
Molybdenum	0.031	0.569	350	--
Vanadium	0.005	0	24	--
Zinc	0.235	0.092	250	--

NOTES:
1 - Water quality data from AFC Table Water 4, AECOM, 2009 **apply to the Approved Project. Data for the Modified Project will be the same or less than these values.**
2 - Water Quality data from Kiewit Evaporation Pond Preliminary Design, Operations and Maintenance Plan, April 2010
3 - STLC = Soluble Threshold Limit Concentration, Regulated by CCR Title 22, Division 4.5, Article 3, Section 66261.24
4 - TCLP = Toxicity Characteristics Leaching Procedure; Regulate under 40 CFR Section 261.24

Source: AECOM ROWD May 14, 2010

Table 2: Estimated Chemistry of Evaporation Pond Residue

	Concentration in Evaporation Pond Discharge	Total Residue Mass After 30 Years	Concentration in Residue		STLC	TTLC	TCLP
	ppm	lbs	% or ppm		mg/L	mg/kg	mg/L
Aluminum	0.00	0	0	ppm	-	-	-
Arsenic	0.00	0	0	ppm	5.0	500	5.0
Barium	0.305	1,401	6.81	ppm	-	-	-
Boron	26.04	119,740	582.01	ppm	-	-	-
Calcium	369	1,698,481	0.83	%	-	-	-
Chloride	10325	47,474,130	23.1	%	-	-	-
Copper	0.18	809	3.93	ppm	-	-	-
Fluoride	24	110,397	536.60	ppm	180	18000	-
Iron	2.3	10,445	50.77	ppm	-	-	-
Magnesium	185	849,267	0.41	%	-	-	-
M-Alkalinity	573	2,634,625	1.28	%	-	-	-
Molybdenum	0.57	2,616	12.72	ppm	-	-	-
Nitrate	12	54,204	263.47	ppm	-	-	-
Phosphate	6	27,588	134.09	ppm	-	-	-
Potassium	198	911,395	0.44	%	-	-	-
Selenium	0	0	0.00	ppm	1.0	100	1.0
Silica	277	1,274,858	0.62	%	-	-	-
Sodium	14818	68,131,223	33.1	%	-	-	-
Sulfate	17918	82,386,733	40.0	%	-	-	-
Total Phosphate	6	26,428	128.46	ppm	-	-	-
Vanadium	0.09	423	2.06	ppm	-	-	-
Zinc	4.34	19,955	96.99	ppm	250	5000	-
TDS	44,745	205,734,718	100	%	-	-	-

Notes: Where a constituent was reported as "ND" the amount in the supply water was assumed to be zero (0) ppm. Reporting those constituents at their lower detection limit would change the results above.

Source: AECOM ROWD May 14, 2010

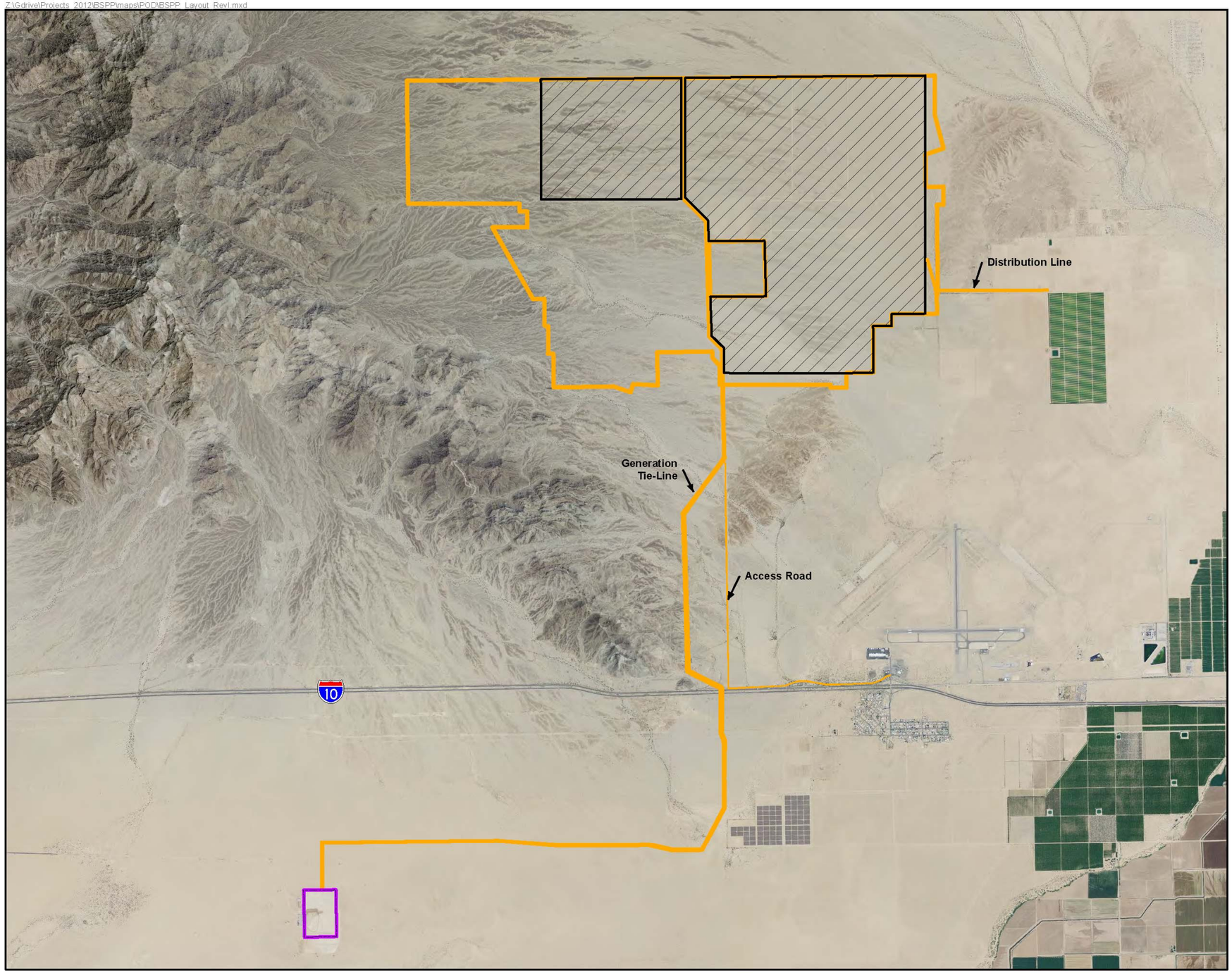
Values apply to the Approved Project. Data for the Modified Project will be the same or less than these values.

Table 3 Classification of Wastewater and Evaporation Pond Residue

Waste Stream	Waste Stream Compared To	Regulation	Waste Stream Characteristic	State & Federal Classification	CWC Section 13173 Classification[1]
Wastewater	STLC	CCR Title 22, Chapter 11, Division 4.5, Article 3, Section 66261.24 "Characteristics of Toxicity"	<STLC	Non-hazardous	Designated waste
	TCLP	Code of Federal Regulations (CFR) Part 261, Section 261.24	<TCLP	Non-hazardous	Designated waste
Evaporation Pond Residue	STLC	CCR, Title 22, Chapter 11, Division 4.5, Article 3, Section 66261.24 "Characteristics of Toxicity"	<STLC	Non-hazardous	Designated waste
	TTLC	CCR, Title 22, Chapter 11, Division 4.5, Article 3, Section 66261.24 "Characteristics of Toxicity"	<TTLC	Non-hazardous	Designated waste
	TCLP	Code of Federal Regulations (CFR) Part 261, Section 261.24	<TCLP	Non-hazardous	Designated waste

Source: AECOM ROWD May 14, 2010

Z:\Gdrive\Projects_2012\BSPP\maps\POD\BSPP_Layout_Rev1.mxd



BLYTHE SOLAR POWER PROJECT RIVERSIDE COUNTY, CA

Legend

- Approved Solar Thermal Project Boundary/Features
- Reduced PV Solar Plant Site, 4,138 acres (Reduced from 6,831 acres)
- SCE Colorado River Substation

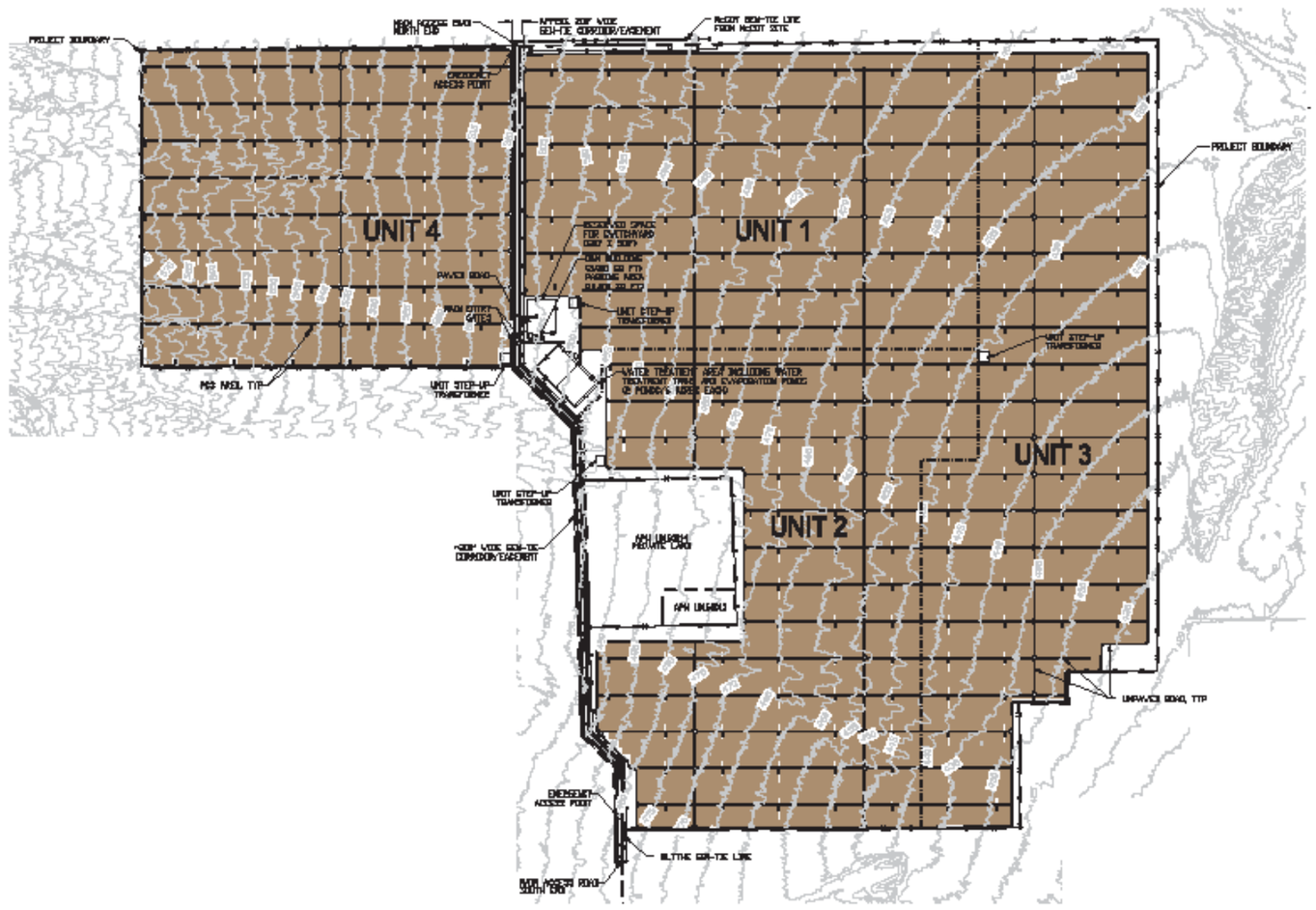
0 2,500 5,000 10,000
Feet

Notes:
(a) UTM Zone 11, NAD 1983 Projection.
(b) Source data: USDA, Tt, Worley Parsons

FIGURE 1

BSPP PROJECT FEATURES

TETRA TECH



PRELIMINARY PLAN

1,000 0 1,000 2,000 3,000

SCALE: 1" = 1,000'

ACREAGE USAGE

UNIT 1	996.5 AC
UNIT 2	994.5 AC
UNIT 3	992.8 AC
UNIT 4	883.9 AC
GEN-TIE CORRIDOR/EASEMENT (INCLUDES MAIN ACCESS ROAD)	100.8 AC
MAIN ACCESS ROAD (84' WIDE)	8.6 AC
OFFICE/MAINTENANCE BLDG	3000 SQ FT
PAVED ROAD (84' WIDE)	0.9 AC
UNPAVED ROAD (16' AND 84' WIDE)	197.9 AC
SWITCHYARD	6.9 AC
UNIT STEP-UP TRANSFORMERS	8.8 AC
PCS AREAS	13.9 AC
WATER TREATMENT AREA	0.1 AC
EVAPORATION PONDS	13.7 AC
AREA IN AND AROUND SOLAR FIELDS REMAINING UNGRADED	93.7 AC
	4301.7 ACRES TOTAL

LAYOUT TABLE

UNIT	AC CAPACITY (MW)	DC CAPACITY (MW)	TOTAL NO. OF PANELS	DC/AC RATIO	NO. OF PANELS PER INVERTER	NO. OF INVERTERS
1	125	150	1,443,500	1.20	62	1
1	125	150	1,443,500	1.20	62	1
2	125	150	1,443,500	1.20	62	1
4	110	131	1,255,200	1.19	52	5
TOTAL	485	581	4,596,200	--	238	8

LEGEND:

- UNIT BOUNDARY
- PROJECT BOUNDARY
- PROPOSED GEN-TIE LINE
- BLYTHE GEN-TIE LINE
- FENCE
- EASEMENT

CONCEPTUAL
NOT FOR CONSTRUCTION

NOTES:

1. THIS DRAWING IS CONCEPTUAL AND NOT INTENDED FOR DETAILED DESIGN.
2. THIS DRAWING IS REPRESENTATIVE AND BASED ON SPECIFIC TECHNOLOGY AND SPACING. THESE SPECIFICATIONS ARE SUBJECT TO CHANGE AND AFFECT THE TOTAL POWER OUTPUT AND DC/AC RATIO.
3. THE TOTAL DC CAPACITY OF THIS LAYOUT IS 581 MW USING APPROXIMATELY 6,596,200 – 150W FULL 97 W PANELS. THE PANELS ARE APPROXIMATED BASED ON THE FORST SOLAR FS-380 PANEL.
4. THE TOTAL AC CAPACITY OF THIS LAYOUT IS 485 MW LIMITED BY 370 SUNGROW SUNVERT PV5500 INVERTERS. SEE LAYOUT TABLE FOR MORE INFORMATION.
5. EACH TWO MW AC BLOCK CONTAINS 254 ARRAY TECHNOLOGIES DURATRACK HZ HORIZONTAL SINGLE AXIS TRACKERS. EACH TRACKER HOLDS 84 PANELS THREE HIGH IN PORTRAIT.
6. EACH TWO MW AC BLOCK CONTAINS 64,584 – 97 W PANELS IN STRINGS OF 32 FOR A DC/AC RATIO OF 1.23.
7. GROUND COVER RATIO IS 38% WHICH MAKES SHADING LOSSES MINIMAL.
8. PERIMETER ROADS, INVERTER ACCESS ROADS, AND NORTH-SOUTH MAINTENANCE ROADS ARE 24 FT WIDE (TYPICAL). ALL OTHER MAINTENANCE ROADS ARE 16 FT WIDE (TYPICAL).
9. AN 8 FT SHADE LOOK FENCE WITH THREE STRAND BARB WIRE IS PROPOSED WITHIN PROJECT BOUNDARY WITH SUFFICIENT ROOM FOR FENCE MAINTENANCE.
10. ONE BUILDING IS FOR STORAGE OF SPARE PARTS AND CONTAINS A 300 SF OFFICE.
11. LOCATIONS OF ALL EXISTING AND PROPOSED ITEMS ARE APPROXIMATE AND WILL NEED TO BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION.
12. BASIS OF BEARINGS:
THE BASIS OF BEARINGS FOR THE SURVEY IS THE CALIFORNIA COORDINATE SYSTEM, ZONE 6, BASED ON LOCAL CONTROL STATIONS DETAILED LATERAL GEODETIC SURVEY GPS OBSERVATION MONUMENTS "MPON CA 11 LP," "C 2302" AND "TLY" AND 2002 ADJUSTMENTS AS PER THE NATIONAL GEODETIC SURVEY OLDER PUBLISHED DATA SHEET BEARING "MEPWEST2" AND "MEPZEAPUP".

COORDINATE GRID & FACTOR
COORDINATES SHOWN AT DESIGN SECTION 25 X=2414250.44'
COMBINED FACTOR AT NE COR SECTION 25 0.9999968

ROTUM STATEMENT
UNLESS OTHERWISE NOTED, ALL MEASUREMENTS SHOWN ON THIS MAP ARE GROUND DISTANCES. GRID DISTANCES MAY BE OBTAINED BY MULTIPLYING THE COMBINED SCALE FACTOR SUMMARIZED
THE COMBINED FACTOR IS COMPUTED AT THE NE COR SECTION 25, T5S, R22E, SBM, ELEVATION 414'

REV	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
J		FINAL ISSUE FOR LEASE			
H		FINAL ISSUE FOR LEASE			
G		FINAL ISSUE FOR PERMITTING			
F		REVISED BASED ON REVIEW COMMENTS			
E		REVISED INTERNAL ISSUE			
D		REVISED FOR CLIENTS COMMENTS			
C		REVISED FOR CLIENT REVIEW			
B		PROGRESS PRINT			
A		PROGRESS PRINT			

DRAWN BY: A. PRATT
DESIGNED BY: A. BOLSTAD
CAD TECHNICIAN: A. PRATT
PROJECT ENGINEER: R. HILL
PROJECT MANAGER: M. ZIMMERMAN

WorleyParsons

NEXTERA BLYTHE SOLAR ENERGY CENTER, LLC
BLYTHE SOLAR POWER PROJECT
RIVERSIDE COUNTY, CA

FIGURE 2
PRELIMINARY SITE PLAN

SCALE: SOLAR PLANT

BSPP-1-DW-111-002-001 | J

SOIL AND WATER
APPENDIX H-2

Waste Discharge Requirement
Requirements for Waste Discharge

SOIL AND WATER RESOURCES – APPENDIX H-2

REQUIREMENTS FOR WASTE DISCHARGE— NextEra Blythe Solar Energy Center ~~Palo Verde Solar I~~, LLC, Owner/Operator, Blythe Solar Power Project, Riverside County

A. Discharge Specifications

1. The treatment or disposal of wastes at this Facility shall not cause pollution or nuisance as defined in Sections 13050 of Division 7 of the California Water Code (CWC).

2. The Discharger will maintain the monitoring wells in good working order at all times. Well maintenance may include periodic well re-development to remove sediments.

3. Thirty days prior to introduction of a new waste stream into the evaporation ponds, the Discharger must receive approval from the Regional Board's Executive Officer.

4. Waste material shall be confined or discharged to the evaporation ponds ~~and LTU~~.

5. Prior to drilling a new well or abandoning a well at the Facility, the Discharger shall notify, in writing, the Regional Board's Executive Officer of the proposed change.

6. Containment of waste shall be limited to the areas designated for such activities. Any revision or modification of the designated waste containment area, or any proposed change in operation at the Facility that changes the nature and constituents of the waste produced must be submitted in writing to the Regional Board's Executive Officer for review and approval before the proposed change in operations or modification of the designated area is implemented.

7. Any substantial increase or change in the annual average volume of material to be discharged under this order at the Facility must be submitted in writing to the Regional Board's Executive Officer for review and approval.

8. If any portions of the evaporation ponds are to be closed, the Discharger shall notify the Regional Board's Executive Officer at least 180 days prior to beginning any partial or final closure activities.

9. Fluids and/or materials discharged to and/or contained in the evaporation ponds shall not overflow the ponds.

10. Prior to the use of new chemicals for the purposes of adjustment or control of microbes, pH, scale, and corrosion of the cooling tower water and wastewater, the Discharger shall notify the Regional Board's Executive Officer in writing.

11. For the liquids in the evaporation ponds, a minimum freeboard of two (2) feet shall be maintained at all times.

12. Final disposal of residual waste from cleanup of the evaporation ponds shall be accomplished to the satisfaction of the Regional Board's Executive Officer upon abandonment or closure of operations.

13. The evaporation ponds shall be designed, constructed, operated, and maintained to prevent inundation or washout due to floods having a predicted frequency of once in 100 years.

14. Prior to removal of solid material that has accumulated in the concrete evaporation ponds, an analysis of the material must be conducted and the material must be disposed of in a manner consistent with that analysis and applicable laws and regulations.

15. Conveyance systems throughout the Facility area shall be cleaned out at least every 90 days to prevent the buildup of solids.

16. Pipe maintenance and de-scaling activities that include hydroblasting and/or sandblasting shall be performed within a designated area that minimizes the potential for release to the environment. Waste generated as a result of these activities shall be disposed of in accordance with applicable laws and regulations. Water from the hydroblasting process shall be conveyed to the evaporation ponds.

17. Public contact with wastewater shall be precluded through such means as fences, signs, or other acceptable alternatives.

18. The evaporations ponds shall be managed and maintained to ensure their effectiveness.~~, in particular,~~

19. Implementation of erosion control measures shall assure that small coves and irregularities are not created.

20. The liner beneath the evaporation ponds shall be appropriately maintained to ensure its proper functioning.

21. Solid material shall be removed from the evaporation ponds in a manner that minimizes the likelihood of damage to the liner.

22. Ninety days prior to the cessation of discharge operations at the Facility, the Discharger shall submit a workplan, subject to approval of the Regional Board's Executive Officer, for assessing the extent, if any, of contamination of natural geological materials and waters of the Palo Verde Mesa Groundwater Basin by the waste. One hundred twenty days following workplan approval, the Discharger shall submit a technical report presenting results of the contamination assessment. A

California Registered Civil Engineer or Certified Engineering Geologist must prepare the workplan, contamination assessment, and engineering report.

23. Upon ceasing operation at the Facility, all waste, all natural geologic material contaminated by waste, and all surplus or unprocessed material shall be removed from the site and disposed of in accordance with applicable laws and regulations.

24. The Discharger shall establish an irrevocable bond for closure in an amount acceptable to the Regional Board's Executive Officer or provide other means to ensure financial security for closure if closure is needed at the discharging site. The closure fund shall be established (or evidence of an existing closure fund shall be provided) within six (6) months of the adoption of this Order.

25. Surface drainage from tributary areas or subsurface sources, shall not contact or percolate through the waste discharged at this site.

26. The Discharger shall implement the attached Monitoring and Reporting Program, Appendix D, and revisions thereto, in order to detect, at the earliest opportunity, any unauthorized discharge of waste constituents from the Facility, or any impairment of beneficial uses associated with (caused by) discharges of waste to the ~~brine~~ **evaporation** pond.

27. The Discharger shall use the constituents listed in the attached Monitoring and Reporting Program, Appendix D, and revisions thereto, as "Monitoring Parameters".

28. The Discharger shall follow the Water Quality Protection Standard (WQPS) for detection monitoring established by the Regional Board. The following are parts of WQPS as established by the Regional Board's Executive Officer:

    a. The Discharger shall test for the monitoring parameters and the Constituents of Concern (COCs) listed in the Monitoring and Reporting R7-2010-0xxx and revisions thereto.

    b. Concentration Limits – The concentration limit for each monitoring parameter and constituents of concern for each monitoring point (as stated in the Detection Monitoring Program), shall be its background valued as obtained during that reporting period.

29. All current, revised, and/or proposed monitoring points must be approved by the Region Board's Executive Officer.

30. Water used for the process and site maintenance shall be limited to the amount necessary in the process, for dust control, and for Facility cleanup and maintenance.

31. The Discharger shall not cause or permit the release of pollutants, or waste constituents, in a manner which could cause or contribute to a condition of contamination, nuisance, or pollution to occur.

32. The Discharger must develop and implement a Hazardous Materials Business Plan (HMBP), which will include, at a minimum, procedures for:

    a. Hazardous materials handling, use, and storage;
    b. Emergency response;
    c. Spill control and prevention;
    d. Employee training; and
    e. Reporting and record keeping.

33. Hazardous materials expected to be used during construction include: unleaded gasoline, diesel fuel, oil, lubricants (i.e., motor oil, transmission fluid, and hydraulic fluid), solvents, adhesives, and paint materials. There are no feasible alternatives to these materials for construction or operation of construction vehicles and equipment, or for painting and caulking buildings and equipment.

34. The construction contractor will be responsible for assuring that the use, storage and handling of these materials will comply with applicable federal, state, and local laws, ordinances, regulations and standards (LORS), including licensing, personnel training, accumulation limits, reporting requirements, and recordkeeping.

35. During Facility operations, chemicals will be stored in chemical storage areas appropriately designed for their individual characteristics. Bulk chemicals will be stored outdoors on impervious surfaces in aboveground storage tanks with secondary containment. Secondary containment areas for bulk storage tanks will not have drains. Any chemical spills in these areas will be removed with portable equipment and reused or disposed of properly. Other chemicals will be stored and used in their delivery containers.

36. A portable storage trailer may be on site for storage of maintenance lube oils, chemicals, paints, and other construction materials, as needed. All drains and vent piping for volatile chemicals will be trapped and isolated from other drains to eliminate noxious vapors. The storage, containment, handling, and use of these chemicals will be managed in accordance with applicable laws, ordinances, regulations, and standards.

37. Small quantities of hazardous wastes will be generated over the course of construction. These may include paint, spent solvents, and spent welding materials. Some hazardous wastes will be recycled, including used oils from equipment maintenance, and oil-contaminated materials such as spent oil filters, rags, or other cleanup materials. Used oil must be recycled, and oil or heavy metal contaminated materials (e.g., filters) requiring disposal must be disposed of in a Class I waste disposal facility. Scale from pipe and equipment cleaning operations, and solids from the evaporation pond, will be disposed of in a similar manner.

38. All hazardous wastes generated during facility construction and operation must be handled and disposed of in accordance with applicable laws, ordinances, regulations, and standards. Any hazardous wastes generated during construction must be collected in hazardous waste accumulation containers near the point of generation and moved daily to the contractor's 90-day hazardous waste storage area located on site. The accumulated waste must subsequently be delivered to an authorized waste management facility. Hazardous wastes must be either recycled or managed and disposed of properly in a licensed Class I waste disposal facility authorized to accept the waste.

39. The Discharger shall monitor the evaporation ponds in conformance with applicable CCR Title 27 requirements for Class II surface impoundment waste management units.

40. The leachate collection and removal system must be used to provide preliminary detection monitoring of leaks through the top liner of the double-lined evaporation ponds. Physical evidence of leachate beneath the upper concrete liner shall be interpreted as a warning that containment of the evaporation pond contents may be compromised.

41. Groundwater monitoring wells must be constructed adjacent to and both up gradient and down gradient of the evaporation ponds to provide background and detection monitoring for any potential release from the evaporation ponds containment. The Point of Compliance to be used for the detection monitoring must be the shallow groundwater beneath the evaporation pond. The groundwater monitoring wells must be constructed in conformance with Title 27 CCR Section 20415 requirements. The monitoring wells must be designed to meet the background and detection monitoring requirements in conformance with Title 27 CCR Section 20415(b)(1)(B) as applicable, including:

    a. Providing a sufficient number of monitoring points to yield ground water samples from the uppermost aquifer that represent the quality of ground water passing the Point of Compliance and to allow for the detection of a release from the evaporation ponds;

    b. Providing a sufficient number of monitoring points and background monitoring points installed at appropriate locations and depths to yield ground water samples from the uppermost aquifer to provide the best assurance of the earliest possible detection of a release from the evaporation ponds; and

    c. Selecting monitoring point locations and depths that include the zone(s) of highest hydraulic conductivity in the ground water body monitored.

42. The detection monitoring wells shall be constructed to meet the well performance standards set forth in Title 27 CCR Section 20415(b)(4), as applicable, including:

43. All monitoring wells shall be cased and constructed in a manner that maintains the integrity of the monitoring well bore hole and prevents the bore hole from acting as a conduit for contaminant transport.

44. The sampling interval of each monitoring well shall be appropriately screened and fitted with an appropriate filter pack to enable collection of representative ground water samples.

45. For each monitoring well, the annular space (i.e., the space between the bore hole and well casing) above and below the sampling interval shall be appropriately sealed to prevent entry of contaminants from the ground surface, entry of contaminants from the unsaturated zone, cross contamination between portions of the zone of saturation, and contamination of samples.

46. All monitoring wells shall be adequately developed to enable collection of representative ground water samples.

47. The monitoring program must also meet the general requirements set forth in Title 27 CCR Section 20415(e), which require that all monitoring systems be designed and certified by a registered geologist or a registered civil engineer. The applicable general requirements set forth for boring logs, quality assurance/quality control, sampling and analytical methods used, background sampling, data analysis, and other reporting as applicable will be implemented.

48. Baseline samples of the groundwater must be collected from each of the monitoring wells and analyzed prior to discharging wastewater to the evaporation ponds. The groundwater must be initially sampled for each of the proposed monitoring parameters listed in the attached Monitoring and Reporting Program, Appendix D, and any additional Constituents of Concern (COC) identified by the Regional Board.

B. Prohibitions

1. The discharge or deposit of solid waste to the evaporation ponds as a final form of disposal is prohibited, unless authorized by the Regional Board's Executive Officer.

2. The Discharger is prohibited from discharging, treating or composting at this site the following wastes:

    a. Municipal solid waste;

    b. Sludge (including sewage sludge, water treatment sludge, and industrial sludge);

    c. Septage;

d. Liquid waste, unless specifically allowed by these WDRs or approved by the Regional Board's Executive Officer;

e. Oily and greasy liquid waste; unless specifically allowed by these WDRs or approved by the Regional Board's Executive Officer;

f. Hot, burning waste materials or ash.

3. The Discharger shall not cause degradation of any groundwater aquifer or water supply.

4. The discharge of waste to land not owned or controlled by the Discharger is prohibited.

5. Use of wastewater ~~or cooling tower liquids~~ on access roads, well pads, or other developed project locations for dust control is prohibited.

6. The discharge of hazardous or designated wastes to other than a waste management unit authorized to receive such waste is prohibited.

7. Any hazardous waste generated or stored at the facility will be contained and disposed in a manner that complies with federal and state regulations.

8. Wastewater or any fluids in the evaporation ponds shall not enter any canal, drainage, or drains (including subsurface drainage systems) which could provide flow to the Waters of the State.

9. The Discharger shall appropriately dispose of any materials, including fluids and sediments removed from the evaporation ponds.

10. The Discharger shall neither cause nor contribute to the contamination or pollution of ground water via the release of waste constituents in either liquid or gaseous phase.

11. Direct or indirect discharge of any waste to any surface water or surface drainage courses is prohibited.

12. The Discharger shall not cause the concentration of any Constituent of Concern or Monitoring Parameter to exceed its respective background value in any monitored medium at any Monitoring Point assigned for Detection Monitoring pursuant to the attached Monitoring and Reporting, Appendix C, and future revisions thereto.

C. Provisions

1. The Discharger shall comply with the attached Monitoring and Reporting Program, Appendix D, and future revisions thereto, as specified by the Regional Board's Executive Officer.

2. Unless otherwise approved by Regional Board's Executive Officer, all analyses shall be conducted at a laboratory certified for such analyses by the California Department of Public Health. All analyses shall be conducted in accordance with the latest edition of "Guideline Establishing Test Procedures for Analysis of Pollutants", promulgated by the United States Environmental Protection Agency.

3. The laboratory shall use detection limits less than or equal to Environmental Protection Agency (EPA) Action Level/Maximum Contaminate Levels (MCLs) or California Department of Public Health (CDPH) Notification Level/MCL for all samples analyzed. The lowest concentration, whether EPA or CDPH, of the two agencies must be used for the analysis.

4. Prior to any change in ownership of this operation, the Discharger shall transmit a copy of the Board Order to the succeeding owner/operator, and forward a copy of the transmittal letter to the Regional Board.

5. Prior to any modification in this facility that would result in material change in the quality or quantity of discharge, or any material change in the location of discharge, the Discharger shall report all pertinent information in writing to the Regional Board's Executive Officer and obtain revised waste discharge requirements before any modification is implemented.

6. All permanent containment structures and erosion and drainage control systems shall be certified by a California Registered Civil Engineer or Certified Engineering Geologist as meeting the prescriptive standards and performance goals.

7. The Discharger shall ensure that all site-operating personnel are familiar with the content of these WDRs, and shall maintain a copy of these WDRs at the site.

8. These WDRs do not authorize violation of any federal, state, or local laws or regulations.

9. The Discharger shall allow the Regional Board, or an authorized representative, upon presentation of credential and other documents as may be required by law, to:

    a. Enter upon the premises regulated by these WDRs, or the place where records must be kept under the conditions of these WDRs;

    b. Have access to and copy, at reasonable times, any records that shall be kept under the condition of these WDRs;

    c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under these WDRs; and

d. Sample or monitor at reasonable times, for the purpose of assuring compliance with these WDRs or as otherwise authorized by the CWC or California Code of Regulations, any substances or parameters at this location.

10. The Discharger shall comply with all of the conditions of these WDRs. Any noncompliance with these WDRs constitutes a violation of the Porter-Cologne Water Quality Act and may be grounds for enforcement action.

11. The Discharger shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) that are installed or used by the Discharger to achieve compliance with these WDRs. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures.

12. These WDRs do not convey any property rights of any sort or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

13. The Discharger shall comply with the following:

    a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

    b. The Discharger shall retain records of all monitoring information, copies of all reports required by these WDRs, and records of all data used to complete the application for these WDRs, for a period of at least five (5) years from the date of the sample, measurement, report or application. This period may be extended by request of the Regional Board's Executive Officer at any time.

    c. Records of monitoring information shall include:

        i. The date, exact places, and time of sampling or measurements.
        ii. The individual(s) who performed the sampling or measurements.
        iii. The date(s) analyses were performed.
        iv. The individual(s) responsible for reviewing the analyses.
        v. The results of such analyses.

    d. Monitoring must be conducted according to test procedures described in the attached Monitoring and Reporting Program, Appendix D, unless other test procedures have been specified in these WDRs or approved by the Regional Board's Executive Officer.

14. All monitoring systems shall be readily accessible for sampling and inspection.

15. The Discharger is the responsible party for the WDRs, and the monitoring and reporting program for the Facility. The Discharger shall comply with all conditions

of these WDRs. Violations may result in enforcement actions, requiring corrective action or imposing civil monetary liability.

16. The Discharger shall furnish, under penalty of perjury, technical monitoring program reports, and such reports shall be submitted in accordance with the specifications prepared by the Regional Board's Executive Officer. Such specifications are subject to periodic revisions as may be warranted.

17. The Discharger may be required to submit technical reports as directed by the Regional Board's Executive Officer.

18. The procedure for preparing samples for the analyses shall be consistent with the attached Monitoring and Reporting Program, Appendix D, and any future revisions thereto. The Monitoring Reports shall be certified to be true and correct, and signed, under penalty of perjury, by an authorized official of the company. All technical reports require the signature of a California Registered Professional Engineer or Professional Geologist.

19. All monitoring shall be done as described in Title 27 of the CCRs.

SOIL AND WATER
APPENDIX H-3

Waste Discharge Requirement
Monitoring and Reporting Program

SOIL AND WATER RESOURCES – APPENDIX H-3

MONITORING AND REPORTING PROGRAM-- NextEra Blythe Solar Energy Center, LLC ~~Palo Verde Solar I~~, LLC, Owner/Operator, Blythe Solar Power Project, Riverside County

PART I
GENERAL REQUIREMENTS

A. GENERAL

A Discharger who owns or operates a Class II Surface Impoundment is required to comply with the provisions of Title 27, Division 2, Chapter 3, Subchapter 3, Article 1 of the California Code of Regulations for the purpose of detecting, characterizing, and responding to releases to the groundwater. Section 13267, California Water Code (CWC) gives the Colorado River Basin Regional Water Quality Control Board (Regional Board) authority to require monitoring program reports for discharges that could affect the quality of waters within its region.

1. This Monitoring and Reporting Program (MRP) is Appendix C of the WDRs set forth in Appendices A and B, and are incorporated herein by this reference...The principal purpose of this self-monitoring program is:

    a. To document compliance with Waste Discharge Requirements (WDRs), and prohibitions established by the Regional Board;

    b. To facilitate self-policing by the Discharger in the prevention and abatement of pollution arising from waste discharge;

    c. To conduct water quality analyses.

2. The Regional Board Executive Officer may alter the monitoring parameters, monitoring locations, and/or the monitoring frequency during the course of this monitoring program.

B. DEFINITION OF TERMS

1. Affected Persons – all persons who either own or occupy land outside the boundaries of the parcel upon which a waste management unit (surface impoundment or impoundment) is located that has been or may be affected by the release of waste constituents from the unit.

2. Background Monitoring Point – a device (e.g. well) or location (e.g. a specific point along a lakeshore) that is upgradient or side gradient from the impoundment assigned by this MRP, where water quality samples are taken that are not affected by a release from the impoundment and that are used as a basis of comparison against samples taken from downgradient Monitoring Points.

3. Constituents of Concern (COCs) – those constituents likely to be in the waste, or derived from waste constituents in the event of a release from the impoundment.

4. Matrix Effect – refers to any change in the Method Detection Limit (MDL) or Practical Quantitation Limit (PQL) for a given constituent as a result of the presence of other constituents - either of natural origin or introduced through a spill or release - that are present in the sample being analyzed.

5. Method Detection Limit (MDL) – the lowest constituent concentration that can support a non-zero analytical result with 99 percent reliability. The MDL is laboratory specific and should reflect the detection capabilities of specific procedures and equipment used by the laboratory.

6. Monitored Media – water - bearing media monitored pursuant to this Monitoring and Reporting Program. The Monitored Media may include: (1) groundwater in the uppermost aquifer, in any other portion of the zone of saturation (as defined in Title 27, Section 20164) in which it would be reasonable to anticipate that waste constituents migrating from the surface impoundment could be detected, and in any perched zones underlying the impoundment, (2) any bodies of surface water that could be measurably affected by a release, (3) soil-pore liquid beneath and/or adjacent to the surface impoundment, and (4) soil-pore gas beneath and/or adjacent to the surface impoundment.

7. Monitoring Parameters – the list of constituents and parameters used for the majority of monitoring activity.

8. Monitoring Point – a device (e.g. well) or location (e.g. a specific point along a lakeshore) that is downgradient from the surface impoundment assigned by this MRP, at which samples are collected for the purpose of detecting a release by comparison with samples collected at Background Monitoring Points.

9. Practical Quantification Limit (PQL) – the lowest constituent concentration at which a numerical concentration can be assigned with a 99 percent certainty that its value is within 10 percent of the actual concentration in the sample. The PQL is laboratory specific and should reflect the detection capabilities of specific procedures and equipment used by the laboratory.

10. Reporting Period – the duration separating the submittal of a given type of monitoring report from the time the next iteration of that report is scheduled for

submittal. Unless otherwise stated, the due date for any given report shall be 30 days after the end of its Reporting Period.

11. Sample Locations -

    a. For Monitoring Points – the number of data points obtained from a given Monitoring Point during a given Reporting Period – used for carrying out the statistical or non-statistical analysis of a given analyte during a given Reporting Period.

    b. For Background Monitoring Points – the number of new and existing data points from all applicable Background Monitoring Points in a given Monitored Medium – used to collectively represent the background concentration and variability of a given analyte in carrying out a statistical or non-statistical analysis of that analyte during a given Reporting Period.

12. Uppermost Aquifer – the geologic formation nearest the natural ground surface that is an aquifer, as well as, lower aquifers that are hydraulically interconnected with this aquifer within the facility's property boundary.

13. Volatile Organic Constituents (VOCs) – the suite of organic constituents having a high vapor pressure. The term includes at least the 47 organic constituents listed in Appendix I to 40 CFR Part 258.

14. VOC_{water} – the composite monitoring parameter that includes all VOCs that are detectable in less than 10 percent of the applicable background samples. This parameter is analyzed, using the non-statistical method described in Part III.A.2. of this MRP, to identify releases of VOCs that are detected too infrequently in backgroundwater to allow for statistical analysis.

C. SAMPLING AND ANALYTICAL METHODS

Sample collection, storage, and analysis shall be performed according to the most recent version of Standard USEPA methods, and California ELAP rulings. Water and waste analysis shall be performed by a laboratory approved for these analyses by the California Department of Public Health. Specific methods of analysis must be identified. If methods other than USEPA-approved methods or Standard Methods are used, the exact methodology must be submitted for review and approval by the Regional Board Executive Officer prior to use. The director of the laboratory whose name appears on the certification shall supervise all analytical work in his/her laboratory and shall sign all reports of such work submitted to the Regional Board. All monitoring instruments and equipment shall be properly calibrated and maintained to ensure accuracy of measurement. In addition, the Discharger is responsible for verifying that laboratory analysis of all samples from Monitoring Points and Background Monitoring Points meet the following restrictions:

1. Methods, analysis, and detection limits used must be appropriate for expected concentrations. For detection monitoring of any constituent or parameter found in concentrations that produce more than 90% non-numerical determinations (i.e. "trace" or "ND") in data from Background Monitoring Points for that medium, the analytical methods having the lowest "facility-specific method detection limit (MDL)", defined in Part I.B.5., shall be selected from among those methods that provide valid results in light of any "Matrix Effects" (defined in Part I.B.4.) involved.

2. Analytical results falling between the MDL and the PQL shall be reported as “trace”, and shall be accompanied both by the estimated MDL and PQL values for that analytical run, and by an estimate of the constituent's concentration.

3. MDLs and PQLs shall be derived by the laboratory for each analytical procedure, according to State of California laboratory accreditation procedures. These MDLs and PQLs shall reflect the detection and quantitation capabilities of the specific equipment used by the lab. If the lab suspects that, due to a change in matrix or other effects, the true detection limit or quantitation limit for a particular analytical run differs significantly from the laboratory-derived MDL/PQL values, the results shall be flagged accordingly, along with an estimate of the detection limit and quantitation limit actually achieved.

4. All Quality Assurance/Quality Control (QA/QC) data shall be reported, along with the sample results to which it applies, including the method, equipment, and analytical detection limits, the recovery rates, an explanation of any recovery rate that is less than method recovery standards, the results of equipment and method blanks, the results of spiked and surrogate samples, the frequency of quality control analysis, and the name and qualifications of the person(s) performing the analyses. Sample results shall be reported unadjusted for blank results or spike recovery.

5. Upon receiving written approval from the Regional Board Executive Officer, an alternative statistical or non-statistical procedure can be used for determining the significance of analytical results for a constituent that is a common laboratory contaminant (i.e., methylene chloride, acetone, diethylhexyl phthalate, and di-n-octyl phthalate) during any given Reporting Period in which QA/QC samples show evidence of laboratory contamination for that constituent. Nevertheless, analytical results involving detection of these analytes in any background or downgradient sample shall be reported and flagged for easy reference by Regional Board staff.

6. In cases where contaminants are detected in QA/QC samples (i.e. field, trip, or lab blanks), the accompanying sample results shall be appropriately flagged.

7. The MDL shall always be calculated such that it represents a concentration associated with a 99% reliability of a non-zero result.

D. RECORDS TO BE MAINTAINED

Written reports shall be maintained by the Discharger or laboratory, and shall be retained for a minimum of five (5) years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge or when requested by the Regional Board. Such records shall show the following for each sample:

1. Identity of sample and of the Monitoring Point or Background Monitoring Point from which it was taken, along with the identity of the individual who obtained the sample;

2. Date and time of sampling;

3. Date and time that analyses were started and completed, and the initials of the personnel performing each analysis;

4. Complete procedure used, including method of preserving the sample, and the identity and volumes of reagents used;

5. Calculations of results; and

6. Results of analyses, and the MDL and PQL for each analysis.

E. REPORTS TO BE FILED WITH THE REGIONAL BOARD

1. Detection Monitoring Reports – For each Monitored Medium, all Monitoring Points and Background Monitoring Points assigned to detection monitoring under Part II.A.7 of this MRP shall be monitored **semiannually** for the Monitoring Parameters (Part II.A.4). A "Detection Monitoring Report" shall be submitted to the Regional Board in accordance with the schedule contained in the Summary of Self-Monitoring and Reporting Requirements, and shall include the following:

    a. A Letter of Transmittal that summarizes the essential points in each report shall accompany each report submittal. The letter of transmittal shall be signed by a principal executive officer at the level of vice-president or above, or by his/her duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge originates. The letter of transmittal shall include:

        i. A discussion of any violations noted since the previous report submittal and a description of the actions taken or planned for correcting those violations. If no violations have occurred since the last submittal, that should be so stated;

        ii. If the Discharger has previously submitted a detailed time schedule or plan for correcting any violations, a progress report on the time schedule and status of the corrective actions being taken; and

iii. A statement by the official, under penalty of perjury, that to the best of the signer's knowledge the report is true, complete, and correct.

b. A Compliance Evaluation Summary shall be included in each Detection Monitoring Report. The compliance evaluation summary shall contain at least:

i. Velocity and direction of groundwater flow for each monitored groundwater body under and around the surface impoundment based upon the water level elevations taken during the collection of water quality data. A description and graphical presentation (e.g., arrow on a map) shall be submitted;

ii. Methods used for water level measurement and pre-sampling purging for each monitoring well addressed by the report including:

1. Method, time, and equipment used for water level measurement;

2. Type of pump used for purging, placement of the pump in the well, pumping rate, and well recovery rate;

3. Methods and results of field testing for pH, temperature, electrical conductivity, and turbidity, including;

a. Equipment calibration methods, and

b. Method for disposing of purge water

iii. Methods used for sampling each Monitoring Point and Background Monitoring Point, including:

1. A description of the type of pump, or other device used, and its placement for sampling;

2. A detailed description of the sampling procedure: number and description of samples, field blanks, travel blanks, and duplicate samples; types of containers and preservatives used; date and time of sampling; name and qualifications of individual collecting samples, and other relevant observations;

c. A map or aerial photograph showing the locations of Monitoring Points, and Background Monitoring Points;

d. For each Detection Monitoring Report, provide all relevant laboratory information including results of all analyses, and other information needed to demonstrate compliance with Part I.C.;

e. An evaluation of the effectiveness of the run-off/run-on control facilities;

f. A summary of reportable spills/leaks occurring during the reporting period; include estimated volume of liquids/solids discharged outside designated containment area, a description of management practices to address spills/leaks, and actions taken to prevent reoccurrence.

2. Annual Summary Report – The Discharger shall submit to the Regional Board, an "Annual Summary Report" for the period extending from January 1 through December 31. The "Annual Summary Report" is due **March 15** of each year, and shall include the following:

   a. A graphical presentation of analytical data for each Monitoring Point and Background Monitoring Point (Title 27, Section 20415(e)(14)). The Discharger shall submit, in graphical format, the laboratory analytical data for all samples taken within at least the previous five (5) calendar years. Each such graph shall plot the concentration of one (1) or more constituents over time for a given Monitoring Point and Background Monitoring Point, at a scale appropriate to show trends or variations in water quality. The graphs shall plot each datum, rather than plotting mean values. For any given constituent or parameter, the scale for background plots shall be the same as that used to plot downgradient data. On the basis of any aberrations noted in the plotted data, the Regional Board Executive Officer may direct the Discharger to carry out a preliminary investigation (Title 27, Section 20080(d)(2)), the results of which will determine whether or not a release is indicated;

   b. A tabular presentation of all monitoring analytical data obtained during the previous two (2) Monitoring and Reporting Periods, submitted on hard copy within the annual report as well as digitally on electronic media in a file format acceptable to the Regional Board Executive Officer (Title 27, Section 20420(h)). The Regional Board regards the submittal of data in hard copy and on diskette CD-ROM as "...a form necessary for..." statistical analysis in that this facilitates periodic review by the Regional Board statistical consultant;

   c. A comprehensive discussion of the compliance record and any corrective actions taken or planned, which may be needed to bring the Discharger into full compliance with WDRs;

   d. A written summary of the groundwater analyses, indicating changes made since the previous annual report; and

   e. An evaluation of the effectiveness of the run on/run-off control facilities, pursuant to Title 27, Section 20365.

3. Contingency Reporting

   a. The Discharger shall report any spill of ~~HTL or~~ evaporation pond liquid by telephone within 48 hours of discovery. The reportable quantity for evaporation pond liquid is 150 gallons.

      After reporting a spill, a written report shall be filed with the Regional Board Executive Officer within seven (7) days, containing at a minimum the following:

      i. A map showing the location(s) of the discharge/spill;

      ii. A description of the nature of the discharge (all pertinent observations and analyses including quantity, duration, etc.); and

iii. Corrective measures underway or proposed.

b. Should the initial statistical comparison (Part III.A.1.) or non-statistical comparison (Part III.A.2.) indicate, for any Constituent of Concern or Monitoring Parameter, that a release is tentatively identified, the Discharger shall immediately notify the Regional Board verbally as to the Monitoring Point(s) and constituent(s) or parameter(s) involved, shall provide written notification by certified mail within seven (7) days of such determination (Title 27, Section 20420(j)(1)), and shall conduct a discrete retest in accordance with Part III.A.3. If the retest confirms the existence of a release, the Discharger shall carry out the requirements of Part I.E.3.d. In any case, the Discharger shall inform the Regional Board of the outcome of the retest as soon as the results are available, following up with written results submitted by certified mail within seven (7) days of completing the retest.

c. If either the Discharger or the Regional Board determines that there is significant physical evidence of a release (Title 27, Section 20385(a)(3)), the Discharger shall immediately notify the Regional Board of this fact by certified mail (or acknowledge the Regional Board's determination) and shall carry out the requirements of Part I.E.3.d. for all potentially-affected monitored media.

d. If the Discharger concludes that a release has been discovered:

   i. If this conclusion is <u>not</u> based upon “direct monitoring” of the Constituents of Concern, pursuant to Part II.A.5., then the Discharger shall, within thirty days, sample for all Constituents of Concern at all Monitoring Points and submit them for laboratory analysis. Within seven (7) days of receiving the laboratory analytical results, the Discharger shall notify the Regional Board, by certified mail, of the concentration of all Constituents of Concern at each Monitoring Point. Because this scan is not to be tested against background, only a single datum is required for each Constituent of Concern at each Monitoring Point (Title 27 Section 20420(k)(1));

   ii. The Discharger shall, within 90 days of discovering the release (Title 27, Section 20420(k)(5)), submit a Revised Report of Waste Discharge proposing an Evaluation Monitoring Program meeting the requirements of Title 27, Section 20425; and

   iii. The Discharger shall, within 180 days of discovering the release (Title 27, Section 20420(k)(6), submit a preliminary engineering feasibility study meeting the requirements of Title 27, Section 20430.

e. Any time the Discharger concludes - or the Regional Board Executive Officer directs the Discharger to conclude - that a liquid phase release from the surface impoundment has proceeded beyond the facility boundary, the Discharger shall so notify all persons who either own or reside upon the land that directly overlies any part of the plume (Affected Persons).

i. Initial notification to Affected Persons shall be accomplished within 14 days of making this conclusion and shall include a description of the Discharger's current knowledge of the nature and extent of the release; and

ii. Subsequent to initial notification, the Discharger shall provide updates to all Affected Persons, including any persons newly affected by a change in the boundary of the release, within 14 days of concluding a material change in the nature or extent of the release has occurred.

4. <u>Surface Impoundment - Leakage Detection System (LDS), and Solids Monitoring</u>

a. Sampling and reporting shall be conducted semi-annually.

b. Provide volume of solids removed from the holding pond each month for that reporting period, and transported to a waste management facility for disposal. Include name and location of waste management facility.

c. Conduct quarterly inspections of Leakage Detection System (LDS), and holding pond.

PART II

MONITORING REQUIREMENTS FOR GROUNDWATER

A. GROUNDWATER SAMPLING AND ANALYSIS FOR DETECTION MONITORING

1. Groundwater Surface Elevation and Field Parameters – Groundwater sampling and analysis shall be conducted semiannually pursuant to California ELAP rulings, and include an accurate determination of the groundwater surface elevation and field parameters (temperature, electrical conductivity, turbidity) for each Monitoring Point and Background Monitoring Point (Title 27, Section 20415(e)(13)). Groundwater elevation obtained prior to purging the well and sample collection, shall be used to fulfill the semi-annual groundwater flow rate/direction analyses required under Part I.E.1.b.i. Groundwater wells shall be gauged using an electronic sounder capable of measuring depth to groundwater within 100th of an inch. Following gauging, wells shall be purged according to EPA groundwater sampling procedures until:

   a. pH, temperature, and conductivity are stabilized within 10 percent, and

   b. turbidity has been reduced to 10 NTUs or the lowest practical levels achievable.

   The above identified parameters shall be recorded in the field, and submitted in the monitoring report. Sampling equipment shall be decontaminated between wells. Purge water may be discharged to the brine pond; discharge to the ground surface is prohibited.

2. Groundwater Sample Collection - Groundwater samples shall be collected from all monitoring points and background monitoring points after wells recharge to within at least 80 percent of their original static water level. Groundwater samples shall be collected with a paristaltic pump that is decontaminated between sampling events. Samples shall be labeled, logged on chain-of-custody forms, and placed in cold storage pending delivery to a State certified analytical laboratory.

3. Five-Day Sample Procurement Limitation – To satisfy data analysis requirements for a given reporting period, samples collected from all Monitoring Points and Background Monitoring Points shall be taken within a span not exceeding five (5) days, and shall be taken in a manner that insures sample independence to the greatest extent feasible (Title 27, Section 20415(e)(12)(B)).

4. Groundwater Monitoring Parameters for Detection Monitoring – Groundwater samples collected from monitoring points and background monitoring points shall be analyzed for the following:

Parameter	Unit	Sample Type
Chloride	mg/L	Grab
Sulfate	mg/L	Grab
Total Dissolved Solids (TDS)	mg/L	Grab
pH	#	Grab
Specific Conductance	µohms/cm	Grab
~~HTF~~	~~mg/L~~	~~Grab~~
Heavy Metals (Sb, As, Ba, Cd, Ca, Cr, Co, Cu, Pb, Hg, Ni, Se, Zn)	mg/L	Grab
Oil & Grease	mg/L	Grab

All Monitoring Points and Background Monitoring Points assigned to Detection Monitoring shall be sampled semi-annually in **June** and **December** of each year in accordance with Part I of this MRP. Monitoring results shall be reported in the semi-annual Detection Monitoring Report.

5. Data Analysis – Statistical or non-statistical analysis shall be carried out as soon as the data is available, in accordance with Part III of this monitoring program.

   Monitoring Points and Background Monitoring Points – At a minimum of 90 days prior to the operation of the facility, the Discharger shall submit a proposed groundwater monitoring program, including background and detection monitoring locations, to the Executive Officer for review and approval.

6. Initial Background Determination: For the purpose of establishing an initial pool of background data for each Constituent of Concern at each Background Monitoring Point (Title 27, Section 20415(e)(6)):

   a. Whenever a new Constituent of Concern is added to the Water Quality Protection Standard, including any added by the adoption of this Board Order, the Discharger shall collect at least one (1) sample **quarterly** for at least one (1) year from each Background Monitoring Point in each monitored medium and analyze for the newly-added constituent(s); and

   b. Whenever a new Background Monitoring Point is added, including any added by this Board Order, the Discharger shall sample the new monitoring point at least **quarterly** for at least one (1) year, analyzing for all Constituents of Concern and Monitoring Parameters.

7. Semiannual Determination of Groundwater Flow Rate/Direction (Title 27, Section 20415(e)(15): The Discharger shall measure the water level in each well and determine groundwater flow rate and direction in each groundwater body described in Part II.A.1. at least semiannually. This information shall be included in the semi-annual Detection Monitoring Reports required under Part I.E.1.

PART III

STATISTICAL AND NON-STATISTICAL ANALYSES

A. STATISTICAL AND NON-STATISTICAL ANALYSIS

The Discharger shall use the most appropriate of the following methods to compare the downgradient concentration of each monitored constituent or parameter with its respective background concentration to determine if there has been a release from the surface impoundment. For any given data set, proceed sequentially down the list of statistical analysis methods listed in Part III.A.1., followed by the non-statistical method in Part III.A.2., using the first method for which the data qualifies. If that analysis tentatively indicates the detection of a release, implement the retest procedure under Part III.A.3.

1. Statistical Methods. The Discharger shall use one (1) of the following statistical methods to analyze Constituents of Concern or Monitoring Parameters that exhibit concentrations exceeding their respective MDL in at least ten percent of the background samples taken during that Reporting Period. Each of these statistical methods is more fully described in the Statistical Methods discussion below. Except for pH, which uses a two-tailed approach, the statistical analysis for all constituents and parameters shall be a one-tailed (testing only for statistically significant increase relative to background) approach:

    a. One-Way Parametric Analysis of Variance (ANOVA) followed by multiple comparisons (Title 27, Section 20415(e)(8)) – This method requires at least four (4) independent samples from each Monitoring Point and Background Monitoring Point during each sampling episode. It shall be used when the background data for the parameter or constituent obtained during a given sampling period, has not more than 15% of the data below PQL. Prior to analysis, replace all 'trace' determinations with a value halfway between the PQL and the MDL values reported for that sample run, and replace all "non-detect" determinations with a value equal to half the MDL value reported for that sample run. The ANOVA shall be carried out at the 95% confidence level. Following the ANOVA, the data from each downgradient Monitoring Point shall be tested at a 99% confidence level against the pooled background data. If these multiple comparisons cause the Null Hypothesis (i.e., that there is no release) to be rejected at any Monitoring Point, the Discharger shall conclude that a release is tentatively indicated from that parameter or constituent; or

    b. One-Way Non-Parametric ANOVA (Kruskal-Wallis Test), followed by multiple comparisons – This method requires at least nine (9) independent samples from each Monitoring Point and Background Monitoring Point; therefore, the Discharger shall anticipate the need for taking more than four (4) samples per Monitoring Point, based upon past monitoring results. This method shall be used when the pooled background data for the parameter or constituent, obtained within a given sampling period, has not more than 50% of the data below the

PQL. The ANOVA shall be carried out at the 95% confidence level. Following the ANOVA, the data from each downgradient Monitoring Point shall be tested at a 99% confidence level against the pooled background data. If these multiple comparisons cause the Null Hypothesis (i.e., that there is no release) to be rejected at any Monitoring Point, the Discharger shall conclude that a release is tentatively indicated for that parameter or constituent; or

c. Method of Proportions – This method shall be used if the "combined data set" – the data from a given Monitoring Point in combination with the data from the Background Monitoring Points – has between 50% and 90% of the data below the MDL for the constituent or parameter in question. This method; (1) requires at least nine (9) downgradient data points per Monitoring Point per Reporting Period, (2) requires at least thirty data points in the combined data set, and (3) requires that $n * P > 5$ (where n is the number of data points in the combined data set and P is the proportion of the combined set that exceeds the MDL); therefore, the Discharger shall anticipate the number of samples required, based upon past monitoring results. The test shall be carried out at the 99% confidence level. If the analysis results in rejection of the Null Hypothesis (i.e., that there is no release), the Discharger shall conclude that a release is tentatively indicated for that constituent or parameter; or

d. Other Statistical Methods. – These include methods pursuant to Title 27, Section 20415(e)(8)(c-e).

2. Non-Statistical Method. The Discharger shall use the following non-statistical methods for all constituents that are not amenable to statistical analysis by virtue of having been detected in less than 10% of applicable background samples. A separate variant of this test is used for the VOC_{water} Composite Monitoring Parameters. Regardless of the test variant used, the method involves a two-step process: (1) from all constituents to which the test variant applies, compile a list of those constituents which equal or exceed their respective MDL in the downgradient sample from a given Monitoring Point, then (2) evaluate whether the listed constituents meet either of the test variant's two possible triggering conditions. For each Monitoring Point, the list described above shall be compiled based on either the data from a single sample taken during the Monitoring Period for that Monitoring Point, or (where several independent samples have been analyzed for that constituent at a given Monitoring Point) from the sample that contains the largest number of detected constituents. Background shall be represented by the data from all samples taken from the appropriate Background Monitoring Points during that Reporting Period (at least one (1) sample from each Background Monitoring Point). The method shall be implemented as follows:

a. VOC_{water} Composite Monitoring Parameter – For any given Monitoring Point, the VOC_{water} Monitoring Parameter is a composite parameter addressing all detectable VOCs including at least all 47 VOCs listed in Appendix I to 40 CFR 258 and all unidentified peaks. The Discharger shall compile a list of each VOC which (1) exceeds its MDL in the Monitoring Point sample (an unidentified peak is

compared to its presumed (MDL), and also (2) exceeds its MDL in less than ten percent of the samples taken during that Reporting Period from that medium's Background Monitoring Points. The Discharger shall conclude that a release is tentatively indicated for the VOC_{water} composite Monitoring Parameter if the list either (1) contains two or more constituents, or (2) contains one constituent that exceeds its PQL;

b. Constituents of Concern: As part of the COC monitoring required under Part 2.A.5 of this MRP, for each Monitoring Point, the Discharger shall compile a list of COCs that exceed their respective MDL at the Monitoring Point, yet do so in less than ten percent of the background samples taken during that Reporting Period. The Discharger shall conclude that a release is tentatively indicated if the list either (1) contains two or more constituents, or (2) contains one constituent that exceeds its PQL.

3. Discrete Retest – In the event that the Discharger concludes that a release has been tentatively indicated (under Parts III.A.1. or III.A.2.), the Discharger shall, within 30 days of that conclusion, collect two (2) new suites of samples for the indicated Constituent(s) of Concern or Monitoring Parameter(s) at each indicated Monitoring Point, collecting at least as many samples per suite as were used for the initial test. Re-sampling of Background Monitoring Points is optional. As soon as the retest data is available, the Discharger shall use the same statistical method or non-statistical comparison separately on each suite of retest data. For any indicated Monitoring Parameter or Constituent of Concern at an affected Monitoring Point, if the test results of either (or both) of the retest data suites confirms the original indication, the Discharger shall conclude that a release has been discovered. All retests shall be carried out only for the Monitoring Point(s) for which a release is tentatively indicated, and only for the Constituent of Concern or Monitoring Parameter that triggered the indication there, as follows:

a. If an ANOVA method was used in the initial test, the retest shall involve only a repeat of the multiple comparison procedure, carried out separately on each of the two (2) new suites of samples taken from the indicating Monitoring Point;

b. If the Method of Proportions statistical test was used, the retest shall consist of a full repeat of the statistical test for the indicated constituent or parameter, carried out separately on each of the two (2) new sample suites from the indicating Monitoring Point;

c. If the non-statistical comparison was used:

i. Because the VOC Composite Monitoring parameters (VOC_{water}) each address, as a single parameter, an entire family of constituents which are likely to be present in any surface impoundment release, the scope of the laboratory analysis for each retest sample shall include all VOCs detectable in that retest sample. Therefore, a confirming retest for either parameter shall have validated the original indication even if the suite of constituents in the

confirming retest sample(s) differs from that in the sample that initiated the retest;

ii. Because all Constituents of Concern that are jointly addressed in the non-statistical testing under Part III.A.2. remain as individual Constituents of Concern, the scope of the laboratory analysis for the non-statistical retest samples shall be narrowed to involve only those constituents detected in the sample which initiated the retest.

SUMMARY OF SELF-MONITORING AND REPORTING REQUIREMENTS

A. GROUNDWATER MONITORING

1. Groundwater monitoring wells shall be sampled/analyzed semi-annually for the following parameters/constituents:

Parameters & Constituent	Unit	Type of Sample	Reporting Frequency
a. Chloride	mg/L	grab	semiannual
b. Sulfate	mg/L	grab	semiannual
Total Dissolved Solids (TDS)	mg/L	grab	semiannual
c. PH	#	field measurement	semiannual
d. Specific Conductance	μohms/cm	field measurement	semiannual
~~e. HTF~~	~~mg/L~~	~~grab~~	~~semiannual~~
e~~f~~. Heavy Metals (Sb,As, Ba, Cd, Ca, Cr, Co, Cu, Pb, Hg, Ni, Se, Zn)	mg/L	grab	semiannual
f~~g~~. Oil & Grease	mg/L	grab	semiannual

2. The collection, preservation, and holding times of all samples shall be in accordance with the U.S. Environmental Protection Agency approved procedures. All analyses shall be conducted by a laboratory certified by the California Department of Public Health to perform the required analyses.

B. SURFACE IMPOUNDMENT: Leakage Detection System (LDS), and Solids Monitoring

	Unit	Observation or Sampling Frequency	Reporting Frequency
1. Estimated volume of solid/liquid in holding pond	ft^3	Monthly	semiannual
2. Measurement of freeboard	ft	Monthly	semiannual
3. Volume of solids removed and shipped to off site waste management facility	tons	Monthly	semiannual

C. MONITORING REPORTS AND OBSERVATION SCHEDULE

"Reporting Period" means the duration separating the submittal of a given type of monitoring report from the time the next iteration of that report is scheduled for submittal. An annual report, which is a summary of all the monitoring during the previous year, shall also be submitted to the Regional Board. The submittal dates for Detection Monitoring Reports and the Annual Summary Report are as follows:

1. <u>Detection Monitoring Reports</u>

a. 1st Semiannual Report (January 1 through June 30) – report due by **<u>August 1</u>**

b. 2nd Semiannual Report (July 1 through December 31) – report due by **<u>March 1</u>**

2. <u>Annual Summary Report</u>

January 1 through December 31 – report due **<u>March 15</u>** of the following year.

3. The Detection Monitoring Reports and the Annual Summary Report shall include the following:

a. The Discharger shall arrange the data in tabular form so that the specified information is readily discernible. The data shall be summarized in such a manner as to clearly illustrate whether the facility is operating in compliance with WDRs.

b. Records of monitoring information shall include:

i. The date, exact place, and time of sampling or measurement;

ii. The individual performing the sampling or measurement;

iii. The date the analysis was performed;

iv. The initials of the individual performing the analysis;

v. The analytical technique or method used; and

vi. The result of the analysis.

c. Each report shall contain the following statement:

"I declare under the penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations."

d. A duly authorized representative of the Discharger may sign the documents if:

i. Authorization is made in writing by the person described in Part I.E.1.a;

ii. Authorization specifies an individual or person having responsibility for the overall operation of the regulated disposal system; and

iii. Written authorization is submitted to the Regional Board Executive Officer.

iv. Monitoring reports shall be certified under penalty of perjury to be true and correct, and shall contain the required information at the frequency designated in this monitoring report.

APPENDIX I VISUAL SIMULATIONS

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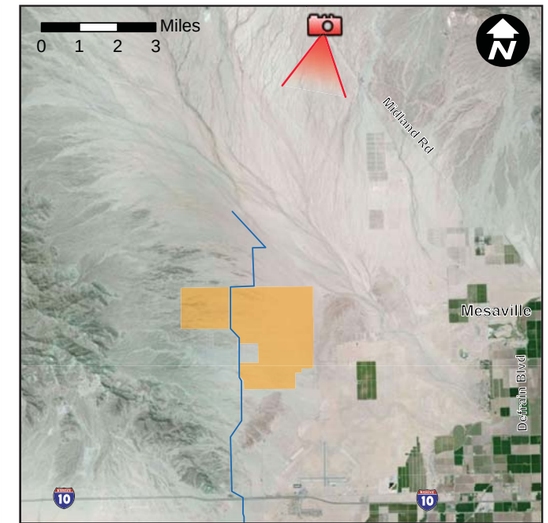


Legend

- Site Boundary
- KOP Cone of Vision
- Gen-tie Line

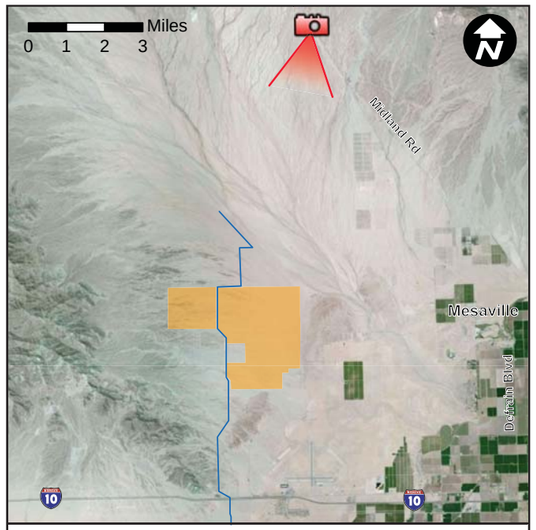
KOP 001
Existing Conditions

Photograph Information

- Photo Point Number: 001
- Date of Photograph: 6/11/2009
- Time of Photograph: 9:11 am
- Weather Condition: Sunny
- Viewing Direction: Southwest
- Latitude: 33°47’18.72”N
- Longitude: 114°42’56.15”W

Blythe Solar Power Project

TETRA TECH



Legend

- Site Boundary
- KOP Cone of Vision
- Gen-tie Line

KOP 001

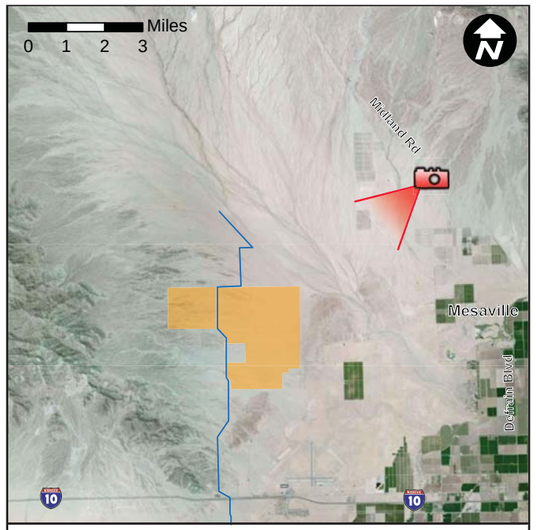
Photographic Simulation

Photograph Information

- Photo Point Number: 001
- Date of Photograph: 6/11/2009
- Time of Photograph: 9:11 am
- Weather Condition: Sunny
- Viewing Direction: Southwest
- Latitude: 33°47’18.72”N
- Longitude: 114°42’56.15”W

Blythe Solar Power Project

TETRA TECH



Legend

- Site Boundary
- KOP Cone of Vision
- Gen-tie Line

KOP 002

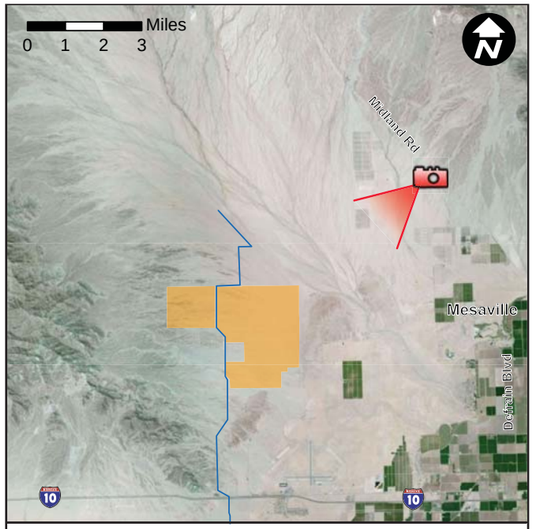
Existing Conditions

Photograph Information

- Photo Point Number: 002
- Date of Photograph: 6/11/2009
- Time of Photograph: 8:52 am
- Weather Condition: Sunny
- Viewing Direction: Southwest
- Latitude: 33°43’50.84”N
- Longitude: 114°39’36.48”W

Blythe Solar Power Project

TETRA TECH



Legend

- Site Boundary
- KOP Cone of Vision
- Gen-tie Line

KOP 002

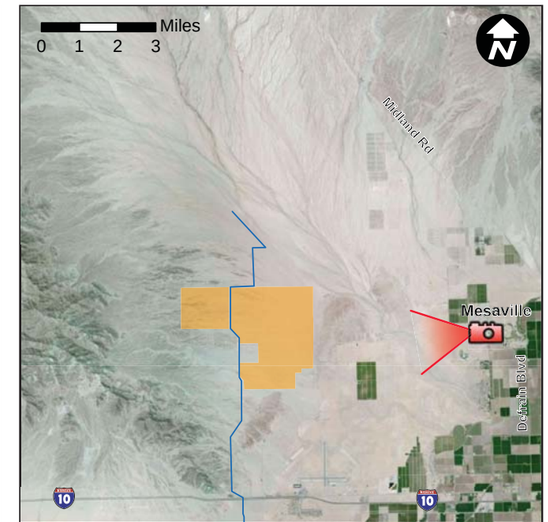
Photographic Simulation

Photograph Information

- Photo Point Number: 002
- Date of Photograph: 6/11/2009
- Time of Photograph: 8:52 am
- Weather Condition: Sunny
- Viewing Direction: Southwest
- Latitude: 33°43’50.84”N
- Longitude: 114°39’36.48”W

Blythe Solar Power Project

TETRA TECH



Legend

- Site Boundary
- KOP Cone of Vision
- Gen-tie Line

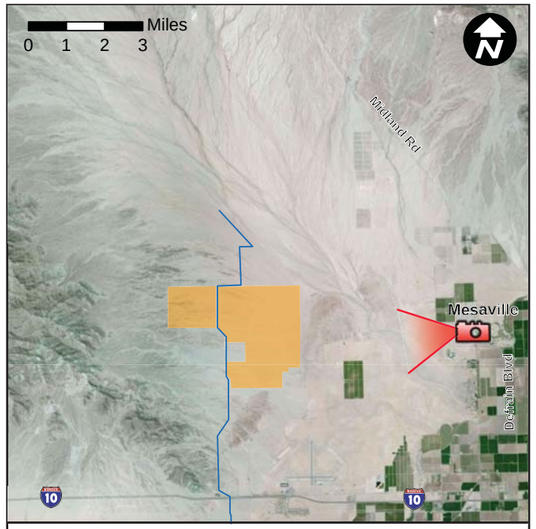
KOP 003
Existing Conditions

Photograph Information

- Photo Point Number: 003
- Date of Photograph: 6/12/2009
- Time of Photograph: 8:25 am
- Weather Condition: Mostly Sunny
- Viewing Direction: West
- Latitude: 33°40'22.40"N
- Longitude: 114°38'31.13"W

Blythe Solar Power Project

TETRA TECH



Legend

- Site Boundary
- KOP Cone of Vision
- Gen-tie Line

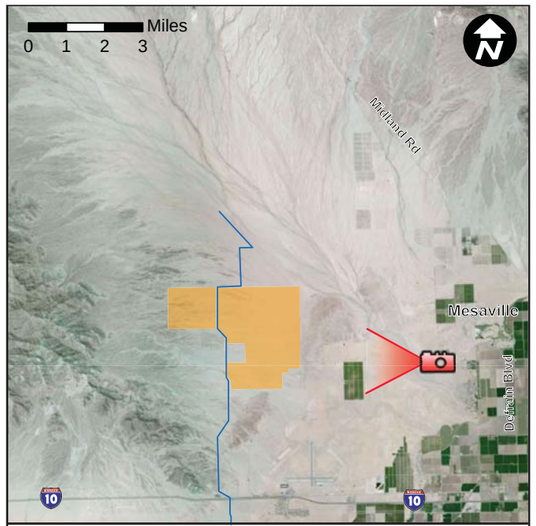
KOP 003
Photographic Simulation

Photograph Information

- Photo Point Number: 003
- Date of Photograph: 6/12/2009
- Time of Photograph: 8:25 am
- Weather Condition: Mostly Sunny
- Viewing Direction: West
- Latitude: 33°40’22.40”N
- Longitude: 114°38’31.13”W

Blythe Solar Power Project

TETRA TECH



Legend

- Site Boundary
- KOP Cone of Vision
- Gen-tie Line

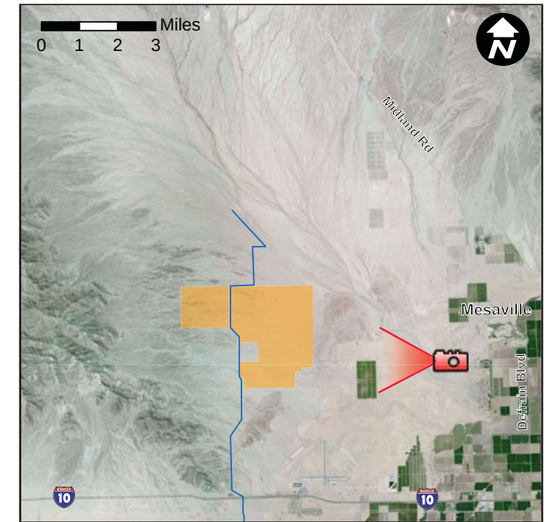
KOP 004
Existing Conditions

Photograph Information

- Photo Point Number: 004
- Date of Photograph: 6/11/2009
- Time of Photograph: 9:35 am
- Weather Condition: Sunny
- Viewing Direction: West
- Latitude: 33°39’38.97”N
- Longitude: 114°39’33.17”W

Blythe Solar Power Project

TETRA TECH



Legend

- Site Boundary
- KOP Cone of Vision
- Gen-tie Line

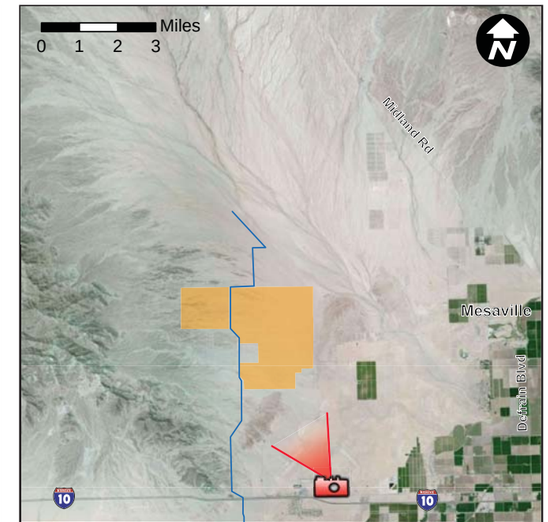
KOP 004
Photographic Simulation

Photograph Information

- Photo Point Number: 004
- Date of Photograph: 6/11/2009
- Time of Photograph: 9:35 am
- Weather Condition: Sunny
- Viewing Direction: West
- Latitude: 33°39’38.97”N
- Longitude: 114°39’33.17”W

Blythe Solar Power Project

TETRA TECH



Legend

- Site Boundary
- KOP Cone of Vision
- Gen-tie Line

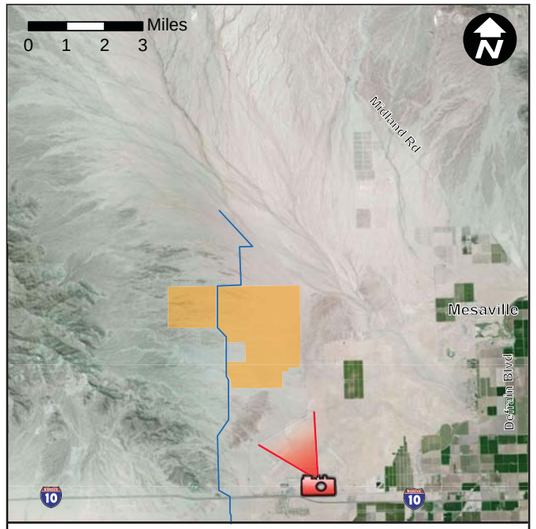
KOP 005
Existing Conditions

Photograph Information

- Photo Point Number: 005
- Date of Photograph: 6/11/2009
- Time of Photograph: 9:35 am
- Weather Condition: Sunny
- Viewing Direction: Northwest
- Latitude: 33°36'50.21"N
- Longitude: 114°42'48.38"W

Blythe Solar Power Project

TETRA TECH



Legend

- Site Boundary
- KOP Cone of Vision
- Gen-tie Line

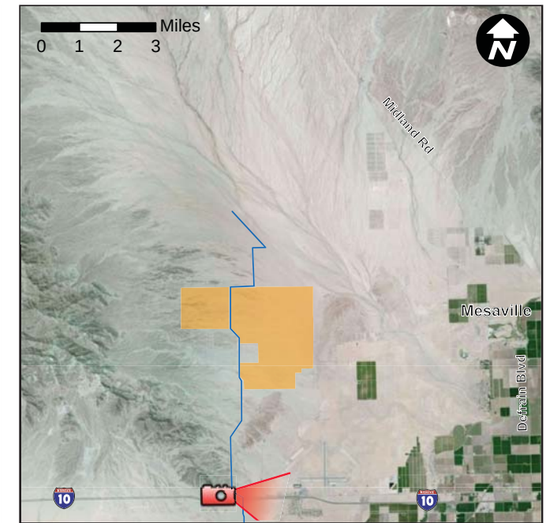
KOP 005
Photographic Simulation

Photograph Information

- Photo Point Number: 005
- Date of Photograph: 6/11/2009
- Time of Photograph: 9:35 am
- Weather Condition: Sunny
- Viewing Direction: Northwest
- Latitude: 33°36’50.21”N
- Longitude: 114°42’48.38”W

Blythe Solar Power Project

TETRA TECH



Legend

- Site Boundary
- KOP Cone of Vision
- Gen-tie Line

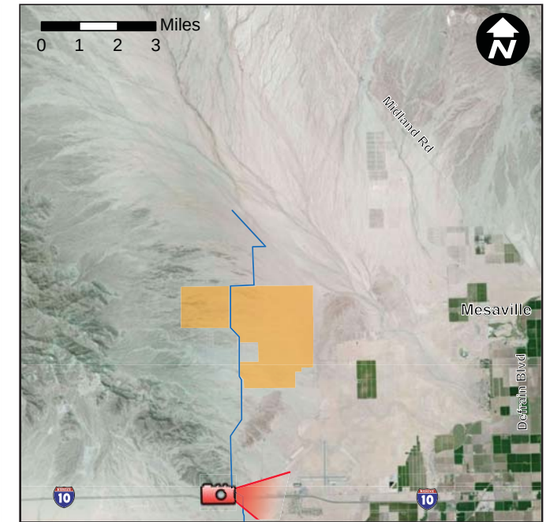
KOP 007
Existing Conditions

Photograph Information

- Photo Point Number: 007
- Date of Photograph: 1/5/2010
- Time of Photograph: 12:09 pm
- Weather Condition: Sunny
- Viewing Direction: East
- Latitude: 33°36'34.70"N
- Longitude: 114°45'29.70"W

Blythe Solar Power Project

TETRA TECH



Legend

- Site Boundary
- KOP Cone of Vision
- Gen-tie Line

KOP 007

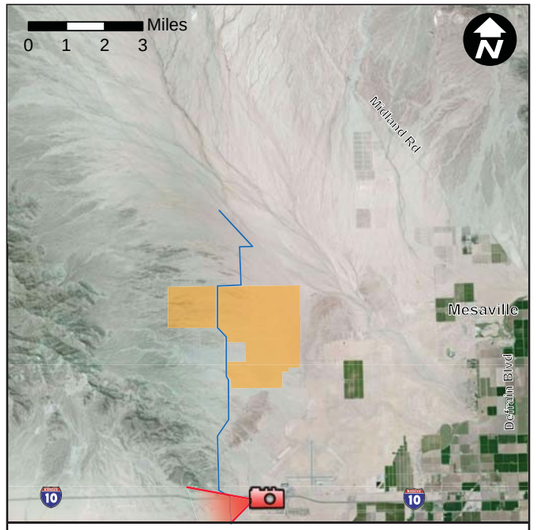
Photographic Simulation

Photograph Information

- Photo Point Number: 007
- Date of Photograph: 1/5/2010
- Time of Photograph: 12:09 pm
- Weather Condition: Sunny
- Viewing Direction: East
- Latitude: 33°36’34.70”N
- Longitude: 114°45’29.70”W

Blythe Solar Power Project

TETRA TECH



Legend

- Site Boundary
- KOP Cone of Vision
- Gen-tie Line

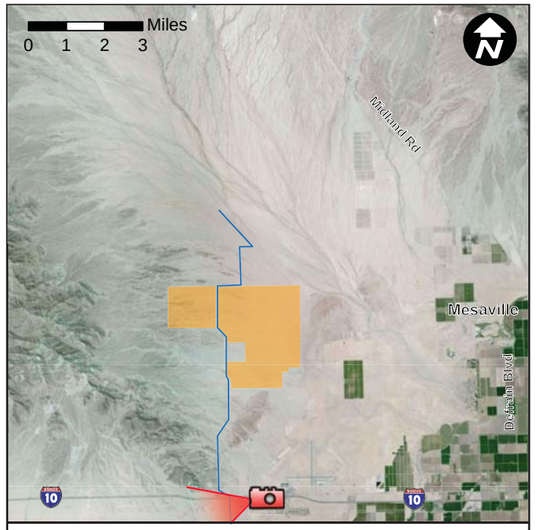
KOP 007MC
Existing Conditions

Photograph Information

- Photo Point Number: 007MC
- Date of Photograph: 11/3/2011
- Time of Photograph: 1:39 pm
- Weather Condition: Mostly Sunny
- Viewing Direction: West/Southwest
- Latitude: 33°36'34.55"N
- Longitude: 114°44'8.69"W

Blythe Solar Power Project

TETRA TECH



Legend

- Site Boundary
- KOP Cone of Vision
- Gen-tie Line

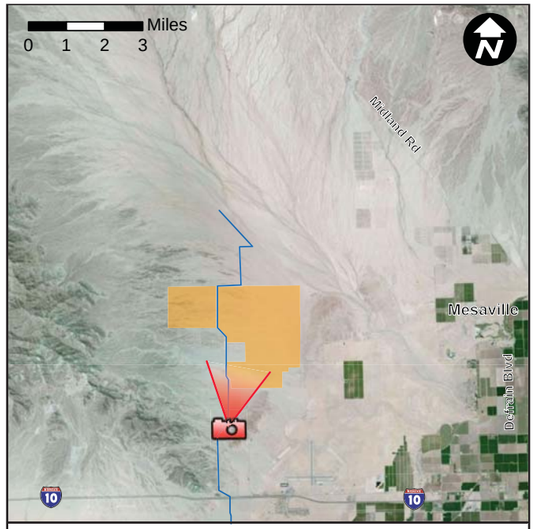
KOP 007MC
Photographic Simulation

Photograph Information

- Photo Point Number: 007MC
- Date of Photograph: 11/3/2011
- Time of Photograph: 1:39 pm
- Weather Condition: Mostly Sunny
- Viewing Direction: West/Southwest
- Latitude: 33°36'34.55"N
- Longitude: 114°44'8.69"W

Blythe Solar Power Project

TETRA TECH



Legend

- Site Boundary
- KOP Cone of Vision
- Gen-tie Line

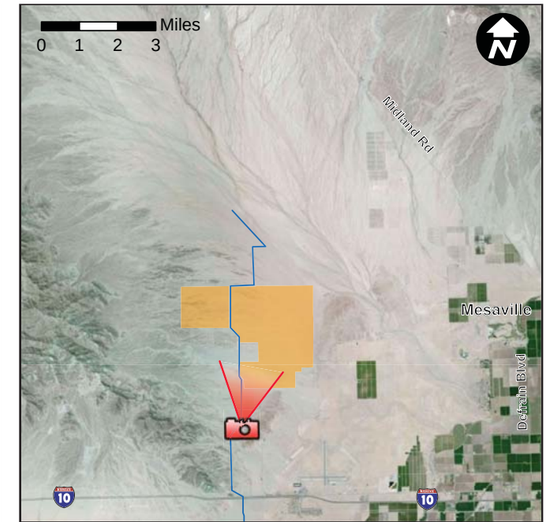
KOP 008
Existing Conditions

Photograph Information

- Photo Point Number: 008
- Date of Photograph: 12/14/2009
- Time of Photograph: 9:53 am
- Weather Condition: Sunny
- Viewing Direction: North/Northeast
- Latitude: 33°38’21.10”N
- Longitude: 114°45’12.20”W

Blythe Solar Power Project

TETRA TECH



Legend

- Site Boundary
- KOP Cone of Vision
- Gen-tie Line

KOP 008

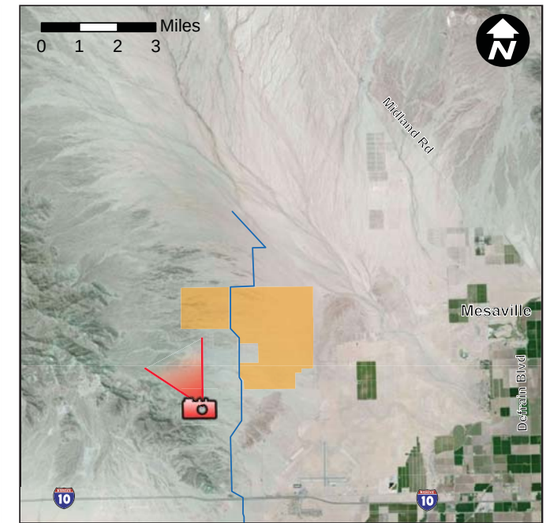
Photographic Simulation

Photograph Information

- Photo Point Number: 008
- Date of Photograph: 12/14/2009
- Time of Photograph: 9:53 am
- Weather Condition: Sunny
- Viewing Direction: North/Northeast
- Latitude: 33°38’21.10”N
- Longitude: 114°45’12.20”W

Blythe Solar Power Project

TETRA TECH



Legend

- Site Boundary
- KOP Cone of Vision
- Gen-tie Line

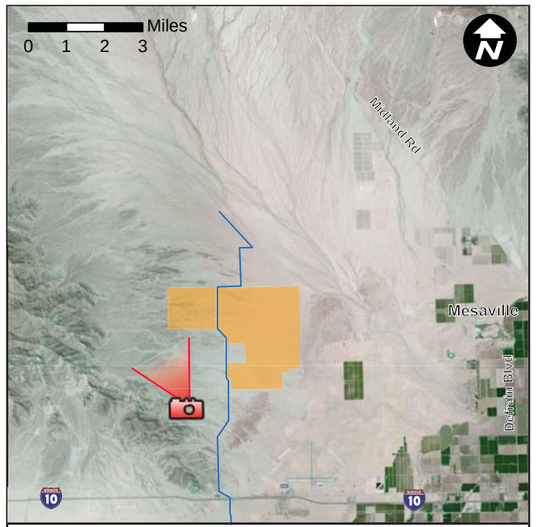
KOP 009
Existing Conditions

Photograph Information

- Photo Point Number: 009
- Date of Photograph: 12/14/2009
- Time of Photograph: 10:21 am
- Weather Condition: Sunny
- Viewing Direction: Northwest
- Latitude: 33°38’48.10”N
- Longitude: 114°46’23.60”W

Blythe Solar Power Project

TETRA TECH



Legend

- Site Boundary
- KOP Cone of Vision
- Gen-tie Line

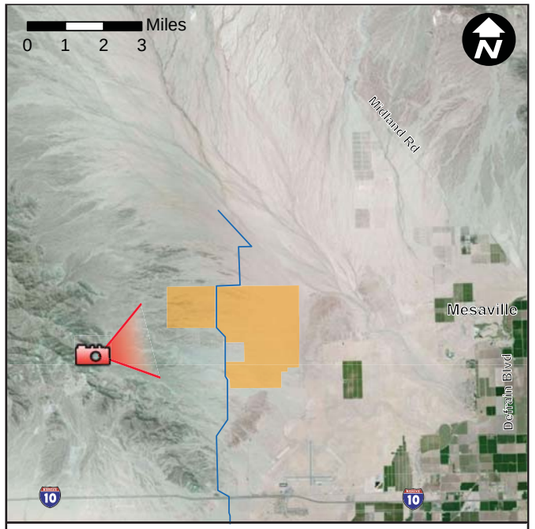
KOP 009
Photographic Simulation

Photograph Information

- Photo Point Number: 009
- Date of Photograph: 12/14/2009
- Time of Photograph: 10:21 am
- Weather Condition: Sunny
- Viewing Direction: Northwest
- Latitude: 33°38’48.10”N
- Longitude: 114°46’23.60”W

Blythe Solar Power Project

TETRA TECH



Legend

- Site Boundary
- KOP Cone of Vision
- Gen-tie Line

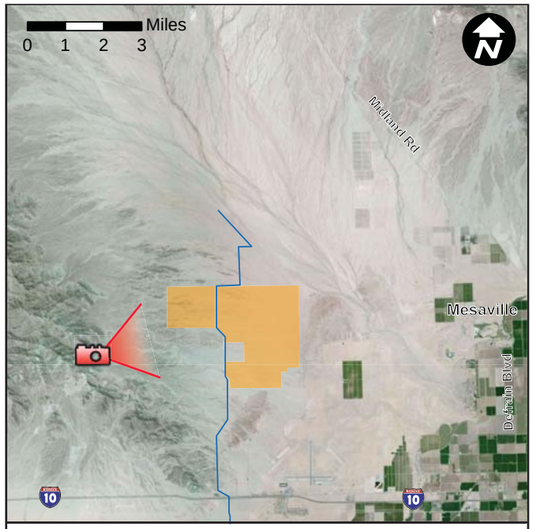
KOP 010
Existing Conditions

Photograph Information

- Photo Point Number: 010
- Date of Photograph: 12/14/2009
- Time of Photograph: 11:12 am
- Weather Condition: Sunny
- Viewing Direction: East/Northeast
- Latitude: 33°39’48.50”N
- Longitude: 114°48’52.60”W

Blythe Solar Power Project

TETRA TECH



Legend

- Site Boundary
- KOP Cone of Vision
- Gen-tie Line

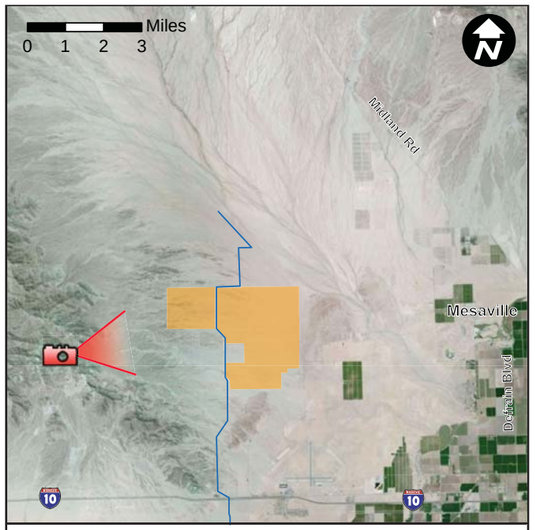
KOP 010
Photographic Simulation

Photograph Information

- Photo Point Number: 010
- Date of Photograph: 12/14/2009
- Time of Photograph: 11:12 am
- Weather Condition: Sunny
- Viewing Direction: East/Northeast
- Latitude: 33°39’48.50”N
- Longitude: 114°48’52.60”W

Blythe Solar Power Project

TETRA TECH



Legend

- Site Boundary
- KOP Cone of Vision
- Gen-tie Line

KOP 011

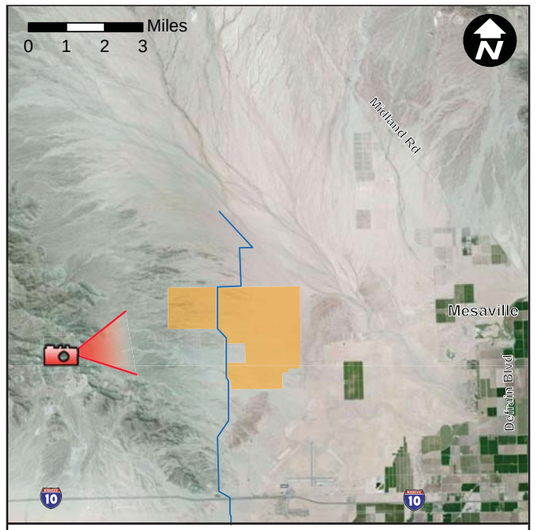
Existing Conditions

Photograph Information

- Photo Point Number: 011
- Date of Photograph: 12/14/2009
- Time of Photograph: 12:12 pm
- Weather Condition: Sunny
- Viewing Direction: East/Northeast
- Latitude: 33°39'52.40"N
- Longitude: 114°49'47.50"W

Blythe Solar Power Project

TETRA TECH



Legend

- Site Boundary
- KOP Cone of Vision
- Gen-tie Line

KOP 011
Photographic Simulation

Photograph Information

- Photo Point Number: 011
- Date of Photograph: 12/14/2009
- Time of Photograph: 12:12 pm
- Weather Condition: Sunny
- Viewing Direction: East/Northeast
- Latitude: 33°39’52.40”N
- Longitude: 114°49’47.50”W

Blythe Solar Power Project

TETRA TECH

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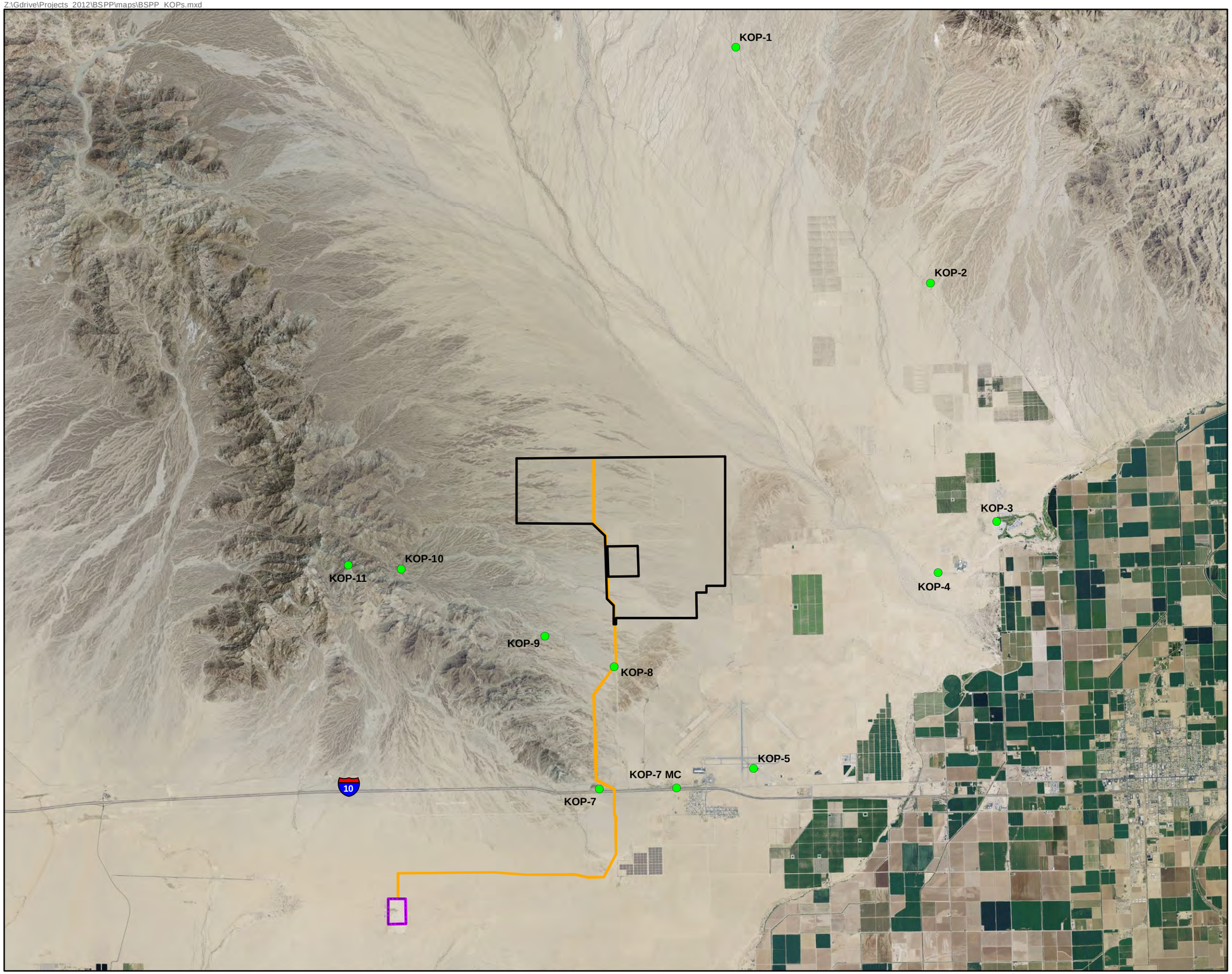

BLYTHE SOLAR POWER PROJECT RIVERSIDE COUNTY, CA

Legend

- Solar Plant Site Boundary
- Linear Corridor
- SCE Colorado River Substation
- KOP

0 1 2 4
Miles

Notes:
(a) UTM Zone 11, NAD 1983 Projection.
(b) Source data: USDA, Tt, Worley Parsons

KEY OBSERVATION POINTS FOR THE BSPP VISUAL SIMULATIONS

TETRA TECH

APPENDIX J LIST OF PROPERTY OWNERS

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APN	FLAG	MAIL_TO_NA	MAIL_TO_ST	MAIL_TO_CI	MAIL_TO_ZI	ACRE	OWNER1_LAS	OWNER1_FIR	OWNER1_MID
818160007	EX		US DEPT OF INTERIOR	WASHINGTON DC	21401	160.58	USA 818		
879080022	EX	NONE	DEPT OF INTERIOR	WASHINGTON DC	21401	895.09	USA 879		
879090031	EX	NONE	DEPT OF INTERIOR	WASHINGTON DC	21401	635.08	USA 879		
879090032	EX	NONE	DEPT OF INTERIOR	WASHINGTON DC	21401	435.64	USA 879		
818160014		C/O PROPERTY TAX	700 UNIVERSE BLV	JUNO BEACH FL	33408	140.28	NEXTERA BLYTHE SOLAR ENERGY CENTER		
818180014	EX		US DEPT OF INTERIOR	WASHINGTON DC	21401	160.40	USA 818		
818241019	EX	NONE	US DEPT OF INTERIOR	WASHINGTON DC	21401	283.27	USA 818		
818160006	EX		US DEPT OF INTERIOR	WASHINGTON DC	21401	320.46	USA 818		
879090034	EX	NONE	DEPT OF INTERIOR	WASHINGTON DC	21401	480.00	USA 879		
818180011	EX		US DEPT OF INTERIOR	WASHINGTON DC	21401	160.54	USA 818		
818210003	EX		US DEPT OF INTERIOR	WASHINGTON DC	21401	126.15	USA 818		
818160003	EX		US DEPT OF INTERIOR	WASHINGTON DC	21401	320.24	USA 818		
821020032	EX	NONE	US DEPT OF THE INTERIOR	WASHINGTON DC	21401	625.54	USA 821		
818180015	EX		US DEPT OF INTERIOR	WASHINGTON DC	21401	160.30	USA 818		
818242027	EX		US DEPT OF INTERIOR	WASHINGTON DC	21401	106.00	USA 818		
818180013	EX		US DEPT OF INTERIOR	WASHINGTON DC	21401	160.00	USA 818		
818210004	EX		US DEPT OF INTERIOR	WASHINGTON DC	21401	33.22	USA 818		
818180012	EX	US DEPARTMENT OF THE INTERIOR	US DEPT OF INTERIOR	WASHINGTON DC	21401	159.62	USA 818		
818180017	EX		US DEPT OF INTERIOR	WASHINGTON DC	21401	292.60	USA 818		
818210014	EX	C/O REAL ESTATE DIVISION	P O BOX 1180	RIVERSIDE CA	92502	4.50	COUNTY OF RIVERSIDE		
818160010	EX		US DEPT OF INTERIOR	WASHINGTON DC	21401	320.68	USA 818		
879080021	EX	NONE	DEPT OF INTERIOR	WASHINGTON DC	21401	477.81	USA 879		
818180018	EX		US DEPT OF INTERIOR	WASHINGTON DC	21401	320.28	USA 818		
818242026	EX		US DEPT OF INTERIOR	WASHINGTON DC	21401	26.50	USA 818		
821020030	EX	NONE	US DEPT OF THE INTERIOR	WASHINGTON DC	21401	635.86	USA 821		
818160005	EX		US DEPT OF INTERIOR	WASHINGTON DC	21401	320.40	USA 818		
879080025	EX	NONE	DEPT OF INTERIOR	WASHINGTON DC	21401	160.00	USA 879		
818160013	EX		US DEPT OF INTERIOR	WASHINGTON DC	21401	320.52	USA 818		
818180010	EX		US DEPT OF INTERIOR	WASHINGTON DC	21401	318.75	USA 818		
818160012	EX		US DEPT OF INTERIOR	WASHINGTON DC	21401	320.60	USA 818		
818160011	EX		US DEPT OF INTERIOR	WASHINGTON DC	21401	160.34	USA 818		
818160004	EX		US DEPT OF INTERIOR	WASHINGTON DC	21401	320.32	USA 818		
879090033	EX	NONE	DEPT OF INTERIOR	WASHINGTON DC	21401	640.00	USA 879		
879080020	EX	NONE	DEPT OF INTERIOR	WASHINGTON DC	21401	160.00	USA 879		
818160009	EX		US DEPT OF INTERIOR	WASHINGTON DC	21401	321.04	USA 818		
818241021	EX	NONE	US DEPT OF INTERIOR	WASHINGTON DC	21401	23.51	USA 818		
818160002	EX		1807 13TH ST	SACRAMENTO CA	95814	640.84	STATE SCHOOL LANDS		
818242025	EX		US DEPT OF INTERIOR	WASHINGTON DC	21401	130.25	USA 818		
821050030	EX	NONE	US DEPT OF THE INTERIOR	WASHINGTON DC	21401	133.55	USA 821		
818160015		C/O PROPERTY TAX	700 UNIVERSE BLV	JUNO BEACH FL	33408	20.04	NEXTERA BLYTHE SOLAR ENERGY CENTER		

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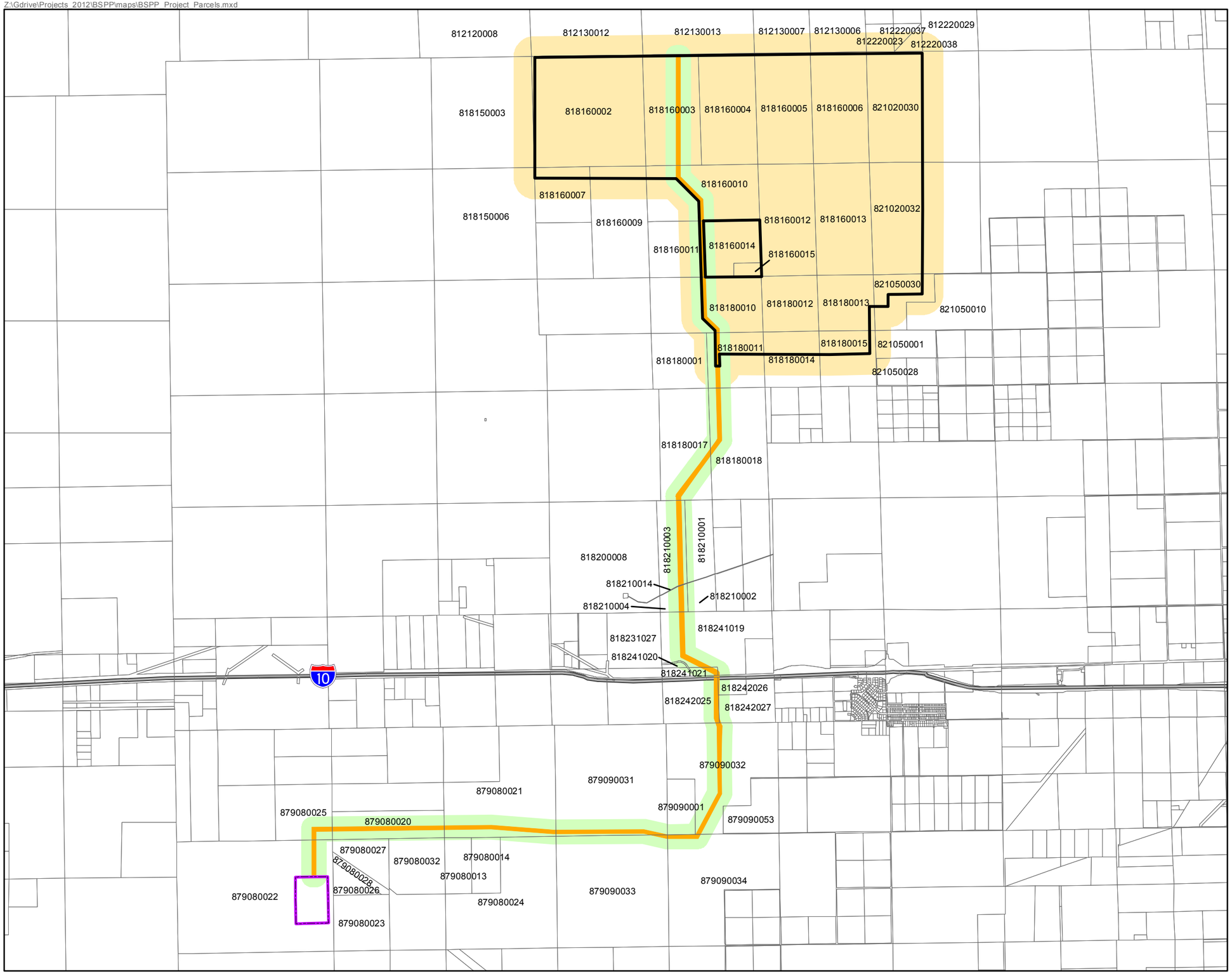
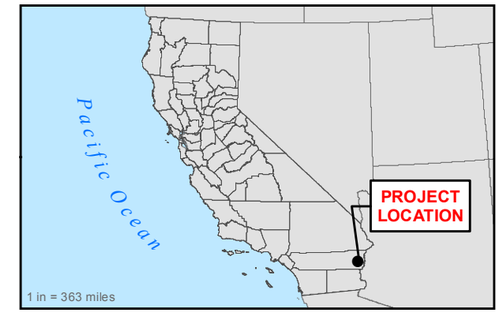


BLYTHE SOLAR POWER PROJECT RIVERSIDE COUNTY, CA



Legend

- Blythe Solar Plant Site Boundary
- Linear Corridor
- Assessor's Parcel
- 500-foot Linear Buffer
- 1,000-foot ROW Buffer
- SCE Colorado River Substation

0 2,500 5,000 10,000
Feet

Notes:
(a) UTM Zone 11, NAD 1983 Projection.
(b) Source data: ESRI, USGS, TTEC

PROJECT PARCELS

TETRA TECH