

LOS ESTEROS CRITICAL ENERGY FACILITY, LLC

717 TEXAS AVENUE
SUITE 1000
HOUSTON, TX 77002

July 7, 2011

Mr. Craig Hoffman
California Energy Commission
1516 Ninth Street (MS-2000)
Sacramento, CA 95814

Subject: Los Esteros Critical Energy Facility, Phase 2
03-AFC-2
Monthly Compliance Report #1 for May-June 2011

Dear Mr. Hoffman:

In accordance with Condition of Certification COM-6, as set forth in the California Energy Commission's Final Decision for the Los Esteros Critical Energy Facility, Phase 2 (LECEF2), enclosed for your information is Monthly Compliance Report #1 for May-June 2011.

If you have any questions regarding this information, please contact me at (281) 814-8316.

Sincerely,



Rod Jones
EHS Compliance Manager

LOS ESTEROS CRITICAL ENERGY FACILITY, PHASE 2 (03-AFC-2)

Monthly Compliance Report # 1

Los Esteros Critical Energy Facility, LLC

May-June 2011
For
California Energy Commission

Los Esteros Critical Energy Facility, Phase 2

(03-AFC-2)

Monthly Compliance Report #1

(May-June 2011)

1. LECEF Project Construction Status

The reporting period of May-June was eventful for the Los Esteros Critical Energy Facility, Phase 2. With concurrence from the Chief Building Official (CBO), the project achieved an important milestone in “meaningful work” by June 30, 2011; specifically as it pertains to the circulation water pipeline (Phase 1) and cooling tower foundation.

Work continues to proceed regarding the project schedule, engineering, procurement, permitting and compliance responsibilities. With the most concerted effort in providing civil, mechanical, and structural specifications to the CBO for review/approval, and working closely with the LECEF Operations Manager and staff.

Listed below are the major events that have occurred prior to and during the monthly compliance reporting period:

- May 2, 2011 -- LECEF, Phase 2 receives authorization letter from the Energy Commission to begin construction
- May 9, 2011 -- LECEF construction team and LG Constructors (EPC contractor) mobilized to project site and began implementing the Storm Water Pollution Program (SWPPP) best management practices
- May 16, 2011 -- Occupied temporary trailer and started site excavation
- May 30, 2011 -- First sections of circulation water pipe installed (approx. 260 feet)
- June 6, 2011 -- Started excavation of north cooling tower foundation
- June 15, 2011 -- Formed and installed rebar in north section of cooling tower basin
- June 23, 2011 -- Completed concrete pour for cooling tower foundation (north end)
- June 28, 2011 -- Achieved completion of meaningful work
- June -- Completed all soil testing through various tests and reports resulting in all soil remaining on site

Work In Progress:

- Backfill Phase #1 circulation water pipe
- Forming and placing of cooling tower foundation (south end)
- Excavation and placement of Phase 2 circulation water pipe
- Excavation and digging for steam turbine generator foundation

- Layout of craft parking including walk way, bumpers, fencing, etc.
- Review of construction trailer floor plans by CBO with delivery of trailers to site on June 30, 2011 and through early July

2. Table of Required Monthly Compliance Report Documents

GEN-2	A copy of the most recent schedule is attached	AQ-2	N/A, first fire
GEN-3	Email from CBO confirming receipt of payments is attached	AQ-3	N/A, first fire
GEN-6	CBO disposition approving special inspectors is attached	AQ-4	N/A, first fire
GEN-7	To be submitted at a later date	AQ-6	N/A, first fire
GEN-8	N/A. Applicable work not completed for the reporting period	AQ-9	N/A, first fire
CIVIL-1	CBO approved dispositions are attached	AQ-10	N/A, first fire
CIVIL-3	A copy of the NCR log is attached	WS-4	A copy of the most recent information is attached
CIVIL-4	N/A. Applicable work not completed for the reporting period	BIO-2	A copy of the Designated Biologist's summary report is attached
STRUC-1	N/A. Applicable work not complete for the reporting period	BIO-4	The number of WEAP participants is provided
STRUC-3	N/A. Applicable work not complete for the reporting period	CUL-2	A copy of the anticipated project activity is attached
STRUC-4	N/A. Applicable work not complete for the reporting period	CUL-4	A copy of the acknowledgement forms for the reporting period is attached
MECH-1	N/A. Applicable work not complete for the reporting period	CUL-5	A copy of the CRS Monitor's report is attached
MECH-2	N/A. Applicable work not complete for the reporting period	PAL-3	No additional training was done in this area during the reporting period
ELEC-1	N/A. Applicable work not complete for the reporting period	PAL-4	A copy of the PRS Monitor's report is attached
TSE-1	N/A. Applicable work not complete for the reporting period	WASTE-5	A copy of the USEPA, Region 9 RCRA ID Notification # letter is attached
TSE-4	N/A. Applicable work not complete for the reporting period	SOCIO-1	A copy of the activities report is attached
AQ-SC-3	Data to be provided in next month's MCR	TRANS-2	None this month
AQ-SC-5	Partial information is provided for this COC	TRANS-3	None this month
AQ-1	N/A, first fire	TRANS-4	A copy of the parking and staging plan is attached

3. Compliance Matrix

A copy of the construction compliance matrix is attached.

4. Conditions Satisfied During The Reporting Period

The conditions satisfied during the reporting period include:

AQ-SC-1, 2,9,11, 29, 35, 37, and 38; BIO-1, 2, 4, 8,10,11,12, 19, 21, and 22;
 CUL-1, 2, 4, 5, and 6; CIVIL-1 and 3; STRUC-1; MECH-1; COM-4, 8, and 11;
 LAND-1; NOISE-1, 3, and 8; PAL-1, 2, 3, and 5; SOCIO-1; S&W-1 and 2;
 TRANS-1 and 4; TSE-2; VIS-4 and 5; WASTE-2, 3, 4, and 6; WS-1, 3, 4, and 5

5. Submittal Deadlines Not Met

There are no past due compliance submittals.

6. Approved Condition of Certification Changes

- A change to verification language of HAZ-2 was submitted to the CPM on February 15, 2011 and approved by staff on March 14, 2011.
- A change to verification language of TSE-1 was submitted to the CPM on February 22, 2011 and approved by staff on February 28, 2011.
- A change to verification language of BIO-11 was submitted to the CPM on March 15, 2011 and approved by staff on 3/16/11.

7. Filings or Permits from other Agencies

Only one permit was obtained during the reporting period and it was from the USEPA, Region 9 for a RCRA ID Notification on May 18, 2011 (See Attachment)

8. Projection of Compliance Activities for July-August

GEN-2	Schedule will be updated monthly
GEN-3	CBO payments will be submitted monthly
AQ-SC-3	The AQCMM report will be updated monthly
AQ-SC-5	The AQCMM report will be updated monthly
WS-4	The Safety Inspection report will be updated monthly
BIO-2	The Designated Biologist's report will be updated monthly
BIO-4	WEAP training will be completed for new employees as needed
CUL-2	A current schedule will be provided to CRS when available
CUL-4	WEAP training will be completed for new employees as needed
PAL-3	WEAP training will be completed for new employees as needed
PAL-4	The PRS report will be updated monthly

9. Additions to the On-site Compliance File

- WEAP Training Records
- LECEF Daily Progress Reports
- Project Safety Audits

10. Listing of complaint, notices of violations, official warnings and citations

None received during the reporting period.

11. Miscellaneous

June 17, 2011 -- A concrete pour of the cooling tower foundation (north end) was halted due to noncompliance of material with concrete specifications. (See CBO Weekly Report submitted to CPM on 6/19/11)

**CONDITION OF CERTIFICATION
GEN-2**

**Los Esteros Critical Energy Facility, Phase 2
Monthly Compliance Report #1
May-June 2011**

LOS ESTEROS CRITICAL ENERGY FACILITY, PHASE 2 (03-AFC-2)

Monthly Compliance Report # 1

Los Esteros Critical Energy Facility, LLC

May-June 2011
For
California Energy Commission

Los Esteros Critical Energy Facility, Phase 2

(03-AFC-2)

Monthly Compliance Report #1

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Activity ID	Activity Name	OD	RD	Physical % Complete	Start	Finish	TF	2011				2012				2013									
								M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O
TEMPORARY ELECTRICAL								[Gantt bar]																	
PRE-ENGINEERED METAL BUILDINGS & INTERIOR FINISHES								[Gantt bar]																	
ABOVE GROUND FIRE PROTECTION SYSTEMS								[Gantt bar]																	
EQUIPMENT AND PIPE INSULATION / HEAT TRACE								[Gantt bar]																	
UNDERGROUND ELECTRICAL SYSTEMS								[Gantt bar]																	
ABOVE GROUND ELECTRICAL AND INSTRUMENTATION SYSTEMS								[Gantt bar]																	
GENERATOR STEP UP AND AUXILIARY TRANSFORMER DRESS OUT AND OIL FILL								[Gantt bar]																	
START UP AND COMMISSIONING PACKAGES								[Gantt bar]																	
ELECTRICAL SYSTEM TESTING								[Gantt bar]																	
INSTRUMENTATION & CONTROLS								[Gantt bar]																	
DESIGN PACKAGES								[Gantt bar]																	
MECHANICAL								[Gantt bar]																	
INSTRUMENTATION & CONTROLS								[Gantt bar]																	
BULK MATERIALS AND ENGINEERED ITEMS								[Gantt bar]																	
DISTRIBUTED CONTROL SYSTEMS (DCS'S)								[Gantt bar]																	
SAMPLE AND ANALYSIS PANELS								[Gantt bar]																	
CONTINUOUS EMISSIONS MONITORING SYSTEMS (CEMS)								[Gantt bar]																	
FIBER OPTIC CABLES								[Gantt bar]																	
FIELD MOUNTED INSTRUMENTS								[Gantt bar]																	
IN-LINE INSTRUMENTATION								[Gantt bar]																	
LEVEL INSTRUMENTATION								[Gantt bar]																	
SAFETY AND PRESSURE RELIEF VALVES								[Gantt bar]																	
PROCESS CONTROL VALVES AND REGULATORS								[Gantt bar]																	
CONTROL VALVES - BUTTERFLY								[Gantt bar]																	
CONTROL VALVES - OTHER VALVES								[Gantt bar]																	
ON-OFF VALVES - BALL VALVES (SEVERE SERVICE)								[Gantt bar]																	
ON-OFF VALVES - BALL/GLOBE/GATE VALVES (GENERAL SERVICE)								[Gantt bar]																	
TRANSMISSION, DISTRIBUTION & SWITCHYARD								[Gantt bar]																	
ENGINEERING PACKAGES								[Gantt bar]																	
ELECTRICAL SWITCHYARD DESIGN								[Gantt bar]																	
PROCUREMENT								[Gantt bar]																	
PURCHASING								[Gantt bar]																	
ENGINEERING PACKAGES								[Gantt bar]																	
INITIAL SITE SURVEYING								[Gantt bar]																	
HIGH ENERGY PIPING SYSTEM DESIGN								[Gantt bar]																	
BULK MATERIALS AND ENGINEERED ITEMS								[Gantt bar]																	
PROCUREMENT								[Gantt bar]																	
REINFORCING STEEL								[Gantt bar]																	
EMBEDDED STEEL ITEMS								[Gantt bar]																	
BALANCE OF PLANT STRUCTURAL STEEL								[Gantt bar]																	

Remaining Level of Effort
 Remaining Work
 Actual Work
 Critical Remaining Work



Activity ID	Activity Name	OD	RD	Physical % Complete	Start	Finish	TF	2011				2012				2013									
								M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O
CONSTRUCTION PACKAGES																									
GENERAL SITE WORK																									
PAINTING AND COATING SYSTEMS																									
EQUIPMENT ERECTION (STG, HRSG, STACK, and BOP)																									
ABOVE GROUND FIRE PROTECTION SYSTEMS																									
EQUIPMENT AND PIPE INSULATION / HEAT TRACE																									
UNDERGROUND PIPING SYSTEMS																									
PIPING																									
CONSTRUCTION PACKAGES																									
TEMPORARY WATER AND SEWER																									
PRE-ENGINEERED METAL BUILDINGS & INTERIOR FINISHES																									
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UNDERGROUND PIPING SYSTEMS																									
UNDERGROUND CIRCULATION WATER PIPE SYSTEM																									
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ELECTRICAL / INSTRUMENTATION																									
CONSTRUCTION PACKAGES																									
TEMPORARY ELECTRICAL																									
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TRANSMISSION / SWITCHYARD																									
CONSTRUCTION PACKAGES																									
ELECTRICAL SWITCHYARD AND TRANSMISSION SYSTEMS (FURNISH AND ERECT)																									
START UP																									
START UP AND COMMISSIONING PACKAGES																									
START-UP CRAFT SUPPORT LABOR																									
STEAM CYCLE PRE-OPERATIONAL CHEMICAL CLEANING																									
STEAM CYCLE AIR/STEAM BLOW																									
START UP MANAGEMENT																									
START UP AND COMMISSIONING PACKAGES																									
SUPPLY OF START-UP CHEMICALS																									
SUPPLY OF START-UP GASES																									
SUPPLY OF START-UP OILS AND GREASES																									
START-UP LOCKS AND TAGS																									
START-UP CRAFT SUPPORT LABOR																									
STEAM CYCLE PRE-OPERATIONAL CHEMICAL CLEANING																									

Remaining Level of Effort
 Remaining Work
 Actual Work
 Critical Remaining Work



**CONDITION OF CERTIFICATION
GEN-3**

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Monthly Compliance Report #1
May-June 2011**

Rodney Jones

From: Don Wimberly <dwimberly@aimscorp.com>
Sent: Friday, June 24, 2011 3:46 PM
To: Rodney Jones
Cc: hans@lecef-cbo.com
Subject: CBO Payments

Rod

This is to confirm that the CBO LECEF invoices have been paid on time per COC's.

Let me know if you need anything else

Don Wimberly
AIMS Corporation
Direct phone: 408-930-4066
FAX: 408-356-2456
Mail: P.O. Box 800
Los Gatos, CA 95031

**CONDITION OF CERTIFICATION
GEN-6**

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May-June 2011**



THE AIMS CORPORATION
Associated Infrastructure Management Services, Inc.
Delegate CBO for the California Energy Commission

DISPOSITION

May 9, 2011

PROJECT: LOS ESTEROS CRITICAL ENERGY FACILITY PHASE 2
CEC Docket No.: 03-AFC-2

CBO COC: GEN-6
CBO Package No: CBO-052

Review Subject: Special Inspectors
Applicable Documents: Documents Listed Below

APPROVED WITH COMMENT

1. See CBO Comments attached.
2. Future revisions to this documentation, if any, shall be submitted to the CBO for review.
3. For any questions you may contact Hans Kosten by cell phone 650-996-9932 or by email hans@lecef-cbo.com.

Sincerely,

Hans Kosten
Deputy CBO

Sent to Distribution List



THE AIMS CORPORATION
Associated Infrastructure Management Services, Inc.
Delegate CBO for the California Energy Commission

CBO COMMENTS
CBO-052 SPECIAL INSPECTORS
MAY 9, 2011

1. General Notes

a. ALL submitted documents:

- must have the CBO# in the lower right-hand corner in a color other than black.
- Must be separated by a sheet of colored paper or stapled (if the document is small enough).

2. Resumes:

APPROVED

- Alberto Cortez, Staff Engineer
- Arthur R. Williams, Assistant Construction Services Manager
- Jimmie Miller, Special Inspector
- Gary Klopson, Special Inspector
- John Oliveira, Field Supervisor
- Gabriel Velasquez, Senior Field Supervisory Technician
 - Approved for onsite Geotechnical Inspection
- Raymond E. Horton, Project Quality Assurance Manager
 - Mr. Horton does not require CBO approval, however, his credentials are recognized

3. Special Inspectors Matrix

- Correct the spelling of Mr. Oliveira's name.



THE AIMS CORPORATION
Associated Infrastructure Management Services, Inc.
Delegate CBO for the California Energy Commission

DISPOSITION

June 17, 2011

PROJECT: LOS ESTEROS CRITICAL ENERGY FACILITY PHASE 2
CEC Docket No.: 03-AFC-2

CBO COC: GEN-6
CBO Package No: CBO-052

Review Subject: Special Inspectors
Applicable Documents: Ron Akins
Gary Klopson

APPROVED

1. Future revisions to this documentation, if any, shall be submitted to the CBO for review.
2. For any questions you may contact Hans Kosten by cell phone 650-996-9932 or by email hans@lecef-cbo.com.

Sincerely,

Hans Kosten
Deputy CBO

Sent to Distribution List

**CONDITION OF CERTIFICATION
CIVIL-1**

**Los Esteros Critical Energy Facility, Phase 2
Monthly Compliance Report #1
May-June 2011**



THE AIMS CORPORATION
Associated Infrastructure Management Services, Inc.
Delegate CBO for the California Energy Commission

DISPOSITION

April 6, 2011

PROJECT: LOS ESTEROS CRITICAL ENERGY FACILITY PHASE 2
CEC Docket No.: 03-AFC-2

CBO COC: CIVIL-1
CBO Package No: CBO-101

Review Subject: Storm Water Pollution Prevention Plan (SWPPP)
Applicable Documents: Dated February 2011

CONDITIONAL APPROVAL

1. This approval is conditioned upon the following:
 - When Contractor is engaged, confirmation of acceptance/compliance of the SWPPP shall be submitted to the CBO.
 - Prior to ground disturbance, but no later than mobilization, Contractor must provide a list of all responsible parties for the Contractor and Calpine pertaining to the SWPPP.
2. Future revisions to this documentation, if any, shall be submitted to the CBO for review.
3. For any questions you may contact Hans Kosten by cell phone 650-996-9932 or by email hans@lecef-cbo.com.

Sincerely,

Hans Kosten
Deputy CBO

Sent to Distribution List



THE AIMS CORPORATION
Associated Infrastructure Management Services, Inc.
Delegate CBO for the California Energy Commission

DISPOSITION

April 27, 2011

PROJECT: LOS ESTEROS CRITICAL ENERGY FACILITY PHASE 2
CEC Docket No.: 03-AFC-2

CBO COC: CIVIL-1
CBO Package No: CBO-100

Review Subject: Geotechnical Investigative Reports – Phase 2
Applicable Documents: Report dated April 25, 2011

APPROVED

1. Future revisions to this documentation, if any, shall be submitted to the CBO for review.
2. For any questions you may contact Hans Kosten by cell phone 650-996-9932 or by email hans@cpwr-cbo.com.

Sincerely,

Hans Kosten
Deputy CBO

Sent to Distribution List



THE AIMS CORPORATION
Associated Infrastructure Management Services, Inc.
Delegate CBO for the California Energy Commission

DISPOSITION

April 27, 2011

PROJECT: LOS ESTEROS CRITICAL ENERGY FACILITY PHASE 2
CEC Docket No.: 03-AFC-2

CBO COC: CIVIL-1
CBO Package No: CBO-102

Review Subject: Drainage and Grading
Applicable Documents: All Documents to Date

APPROVED

1. Future revisions to this documentation, if any, shall be submitted to the CBO for review.
2. For any questions you may contact Hans Kosten by cell phone 650-996-9932 or by email hans@lecef-cbo.com.

Sincerely,

Hans Kosten
Deputy CBO

Sent to Distribution List

**CONDITION OF CERTIFICATION
CIVIL-3**

**Los Esteros Critical Energy Facility, Phase 2
Monthly Compliance Report #1
May-June 2011**

**CONDITION OF CERTIFICATION
AQSC-5**

**Los Esteros Critical Energy Facility, Phase 2
Monthly Compliance Report #1
May-June 2011**

Los Esteros Critical Energy Facility

Please fill out the following information for each piece of diesel construction equipment.

Name of Subcontractor: Duran & Venables

Subcontractor Mailing Address: 748 So. Hillview Dr.

Dates Subcontractor Will Be Working Onsite: 5/10/11 - 3/31/12

Construction Equipment Information:

- Equipment type (e.g., backhoe, grader, excavator): Skip loader
- Equipment manufacturer: John Deere
- Equipment model number: 210 LJ
- Location of exhaust muffler (e.g., on top of cab, on top of front engine cover, on top of rear engine cover) Top of front engine cover
- Expected number of days on site: 180

#305

Construction Equipment Engine Information:

- Engine manufacturer: ~~John Deere~~ John Deere
- Engine model number: 4045 HT054
- EPA engine family number: 8JDXL068106
- Engine serial number: PE4045L043008
- Engine displacement (liters): 4.5
- Engine power rating (HP): 83
- Date engine manufactured: 2008
- EPA engine conformity statement present (i.e., This engine conforms to [model year] EPA regulation for non-road compression-ignition engines):
 - Present (yes/no) _____ If yes, year: 2008
- Number of engine operating hours since last major overhaul: 2,210

Los Esteros Critical Energy Facility

Please fill out the following information for each piece of diesel construction equipment.

Name of Subcontractor: Duran & Venables

Subcontractor Mailing Address: 748 S. Hillview Dr.

Dates Subcontractor Will Be Working Onsite: 5/10/11 - 3/31/12

Construction Equipment Information:

- Equipment type (e.g., backhoe, grader, excavator): Dozer
- Equipment manufacturer: Caterpillar
- Equipment model number: DSN # 328
- Location of exhaust muffler (e.g., on top of cab, on top of front engine cover, on top of rear engine cover) Top of front engine cover
- Expected number of days on site: 120

Construction Equipment Engine Information:

- Engine manufacturer: ~~Caterpillar~~ Perkins
- Engine model number: 3126
- EPA engine family number: 6CPXL07.2HSK
- Engine serial number: BMA31583
- Engine displacement (liters): ~~3.0~~ 7.2
- Engine power rating (HP): 121
- Date engine manufactured: 2006
- EPA engine conformity statement present (i.e., This engine conforms to [model year] EPA regulation for non-road compression-ignition engines):
 - Present (yes/no) ____ If yes, year: 2006
- Number of engine operating hours since last major overhaul: 2215

Los Esteros Critical Energy Facility

Please fill out the following information for each piece of diesel construction equipment.

Name of Subcontractor: Duran & Venables

Subcontractor Mailing Address: 748 S. Hillview Dr.

Dates Subcontractor Will Be Working Onsite: 5/10/11 - 3/31/12

Construction Equipment Information:

- Equipment type (e.g., backhoe, grader, excavator): Motor Grader
- Equipment manufacturer: Caterpillar #335
- Equipment model number: 140H
- Location of exhaust muffler (e.g., on top of cab, on top of front engine cover, on top of rear engine cover) Top of rear engine cover
- Expected number of days on site: 180

Construction Equipment Engine Information:

- Engine manufacturer: Caterpillar
- Engine model number: 3176
- EPA engine family number: 4CPL10.3ESK
- Engine serial number: 3P007487
- Engine displacement (liters): 10.3
- Engine power rating (HP): 105
- Date engine manufactured: 2004
- EPA engine conformity statement present (i.e., This engine conforms to [model year] EPA regulation for non-road compression-ignition engines):
 - Present (yes / no) _____ If yes, year: 2004
- Number of engine operating hours since last major overhaul: ~~4,200~~ 4,523

Los Esteros Critical Energy Facility

Please fill out the following information for each piece of diesel construction equipment.

Name of Subcontractor: Duran & Venables

Subcontractor Mailing Address: 748 So. Hillview Dr.

Dates Subcontractor Will Be Working Onsite: 5/10/11 - 3/31/12

Construction Equipment Information:

- Equipment type (e.g., backhoe, grader, excavator): Backhoe loader
- Equipment manufacturer: Caterpillar
- Equipment model number: 430D #368
- Location of exhaust muffler (e.g., on top of cab, on top of front engine cover, on top of rear engine cover) Top of front engine cover
- Expected number of days on site: 180

Construction Equipment Engine Information:

- Engine manufacturer: Caterpillar
- Engine model number: 3054
- EPA engine family number: 4PKXLO4.4RG1
- Engine serial number: CRS00880
- Engine displacement (liters): 4.4
- Engine power rating (HP): 90
- Date engine manufactured: 2004
- EPA engine conformity statement present (i.e., This engine conforms to [model year] EPA regulation for non-road compression-ignition engines):
 - Present (/no) _____ If yes, year: 2004
- Number of engine operating hours since last major overhaul: 4,739

Los Esteros Critical Energy Facility

Please fill out the following information for each piece of diesel construction equipment.

Name of Subcontractor: Duran & Venables

Subcontractor Mailing Address: 748 S. Hillview Dr.

Dates Subcontractor Will Be Working Onsite: 5/10/11 - 3/31/12

Construction Equipment Information:

- Equipment type (e.g., backhoe, grader, excavator): Scraper
 - Equipment manufacturer: Caterpillar
 - Equipment model number: 613C
 - Location of exhaust muffler (e.g., on top of cab, on top of front engine cover, on top of rear engine cover) Top of front engine cover
 - Expected number of days on site: 180
- #385

Construction Equipment Engine Information:

- Engine manufacturer: Caterpillar
- Engine model number: 3116
- EPA engine family number: 2CPX206.6MRB
- Engine serial number: 4TF90695
- Engine displacement (liters): 7.25
- Engine power rating (HP): 175
- Date engine manufactured: 2006
- EPA engine conformity statement present (i.e., This engine conforms to [model year] EPA regulation for non-road compression-ignition engines):
 - Present no If yes, year: 2006
- Number of engine operating hours since last major overhaul: 1,185

Los Esteros Critical Energy Facility

Please fill out the following information for each piece of diesel construction equipment.

Name of Subcontractor: Duran & Venables

Subcontractor Mailing Address: 748 S. Hillview Dr.

Dates Subcontractor Will Be Working Onsite: 5/10/11 - 3/31/12

Construction Equipment Information:

- Equipment type (e.g., backhoe, grader, excavator): Roller
- Equipment manufacturer: Caterpillar
- Equipment model number: 563C
- Location of exhaust muffler (e.g., on top of cab, on top of front engine cover, on top of rear engine cover) Top of rear engine cover
- Expected number of days on site: 180

#435

Construction Equipment Engine Information:

- Engine manufacturer: Caterpillar
- Engine model number: 3116
- EPA engine family number: WCPXLO6.6MRA
- Engine serial number: 98227491
- Engine displacement (liters): 6.6
- Engine power rating (HP): 145
- Date engine manufactured: 1998
- EPA engine conformity statement present (i.e., This engine conforms to [model year] EPA regulation for non-road compression-ignition engines):
 - Present no If yes, year: 1998
- Number of engine operating hours since last major overhaul: 4,127

Los Esteros Critical Energy Facility

Please fill out the following information for each piece of diesel construction equipment.

Name of Subcontractor: Duran & Venables

Subcontractor Mailing Address: 748 So. Hillview Dr.

Dates Subcontractor Will Be Working Onsite: 5/10/11 - 3/31/12

Construction Equipment Information:

- Equipment type (e.g., backhoe, grader, excavator): Excavator
- Equipment manufacturer: Caterpillar
- Equipment model number: 330B
- Location of exhaust muffler (e.g., on top of cab, on top of front engine cover, on top of rear engine cover) Top of rear engine cover
- Expected number of days on site: 180

#367

Construction Equipment Engine Information:

- Engine manufacturer: Caterpillar
- Engine model number: 3306
- EPA engine family number: VCPIOR2DARB
- Engine serial number: 6NCO2324
- Engine displacement (liters): 10.5
- Engine power rating (HP): 222
- Date engine manufactured: 1997
- EPA engine conformity statement present (i.e., This engine conforms to [model year] EPA regulation for non-road compression-ignition engines):
 - Present (yes) / (no) If yes, year: 1997
- Number of engine operating hours since last major overhaul: 200

**CONDITION OF CERTIFICATION
WS-4**

**Los Esteros Critical Energy Facility, Phase 2
Monthly Compliance Report #1
May-June 2011**

LG Constructors

A. Record of all employees trained for the reporting period
See BIO-4

B. Summary report of safety management actions for the reporting period

May EH&S audits - 21

June EH&S audits - 69

C. Report of any continuing or unresolved situations and incidents that may pose danger to life or health

None this reporting period

D. Report of accidents and injuries that occurred during the reporting period
None this reporting period

Safety Observation

Report Created by: Marc Wetter

Date: June 29, 2011

COC: Worker Safety 4

Safety Monitor: Signet Testing Labs

Site: Los Esteros Critical Energy Facility (San Jose, CA)

Weather: Overcast with high's in the mid 60's

Contractors visited on-site: LG Constructors (general contractor) and Overaa

General observation:

Overaa continues to excavate around the existing utilities in order for the circulating water pipe to be installed. Support beams have been installed to secure the existing utilities in place in order to install the circulating water pipe.

Concrete has been placed on the North section of the cooling tower foundation.

All previous safety deficiencies found on last week's safety observation were noted to be corrected.

Specific observation:

- An employee was observed not wearing his face shield while pressure washing the concrete foundation for the cooling tower. This was corrected immediately.
- Rebar caps were found on all impalement hazards as well as on rebar that hangs horizontally. This is a positive practice.
- Barricades continue to be placed around all excavations throughout the jobsite.
- Two employees were observed welding on the support structure for the existing utilities. No fire extinguisher was in the area where the welding was being conducted. This was corrected immediately.
- A grinder was found not to have a guard in place. All grinders with a wheel over 2 inches in diameter must have a guard installed.

Future Activities:

Continue excavation for the circulating water pipe. Continue with the foundation for the cooling tower.

Corrective Actions to be performed:

All items were discussed with Mr. Gary Brown, LG Safety Manager, and were corrected.

Additional Comments:

Please review photos.

A handwritten signature in black ink, appearing to read "Mark Felt", with a long horizontal stroke extending to the right.

6-29-2011

Signature & Date



Employee was observed not wearing his face shield while pressure washing the concrete foundation for the cooling tower.



Rebar caps were found on all implement hazards as well as on rebar that hangs horizontally



Barricades continue to be placed around all excavations throughout the jobsite.



Employees welding on the support structure for the existing utilities did not have a fire extinguisher in the area.



A grinder was found not to have a guard in place. All grinders with a wheel over 2 inches in diameter must have a guard installed.

**CONDITION OF CERTIFICATION
BIO-2**

**Los Esteros Critical Energy Facility, Phase 2
Monthly Compliance Report #1
May-June 2011**

Biological Resources
Construction Monitoring for the
Los Esteros Critical Energy Facility

MONTHLY COMPLIANCE REPORT #1

May and June 2011

Prepared by:

CH2M HILL

2485 Natomas Park Drive, Suite 600

Sacramento, California 95833

Los Esteros Critical Energy Facility
MONTHLY COMPLIANCE REPORT

May and June 2011

TABLE OF CONTENTS

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APPENDICES

- A)** Cumulative Wildlife Species Observed in or Near the Project Area

- B)** Representative Site Photographs

INTRODUCTION

Los Esteros Critical Energy Facility LLC (the Applicant) obtained a license from the California Energy Commission (CEC) for continued operation of Phase 1 of the Los Esteros Critical Energy Facility (LECEF or the project) located in San Jose, Santa Clara County, California. Phase 1 is a nominal 180 megawatt (MW) natural-gas-fired peaking power plant consisting of four simple-cycle combustion turbine generators and associated equipment. The license also authorizes conversion of the peaker power plant to combined-cycle operation. The combined-cycle conversion will involve the addition of four heat recovery steam generators (HRSG), one steam-turbine generator (STG), a six-cell, plume-abated cooling tower, and ancillary equipment to the LECEF for a total combined nominal generating capacity of 320 MW.

The Applicant originally applied for a CEC license for Phase 1 of the LECEF in August 2001, under the expedited licensing provision promulgated under California Public Resources Code (PRC) §25552. The CEC granted the Phase 1 license in July 2002, and the LECEF was constructed and became operational in March 2003. The purpose of the Phase 2 CEC Application for Certification (AFC) was to meet the requirement of PRC §25552 by recertifying (relicensing) Phase 1 and certifying Phase 2 conversion to combined-cycle, which will allow the project to achieve much higher efficiency in generating power.

As licensed and constructed, the 21-acre LECEF Phase 1 site currently consists of the following features:

- Four GE LM6000 SPRINT combustion turbine generators (CTG) with water injection
- Oxidation catalysts and selective catalytic reduction (SCR) pollution control equipment, installed within four HRSG casings and stacks (these casings were installed during Phase 1 in anticipation of Phase 2)
- A 115-kilovolt (kV) switchyard
- A 150-foot-long, wood pole transmission line to Pacific Gas and Electric Company's (PG&E) 115-kV Los Esteros-Nortech transmission line, immediately to the west of the LECEF switchyard
- A 2,700-foot-long primary access road, named Thomas Foon Chew Way, linking LECEF with Zanker Road
- A 470-foot-long emergency access road, linking Thomas Foon Chew Way and Alviso-Milpitas Road
- A 55-foot-long, 10-inch-diameter natural gas supply line between the facility and PG&E lines 101 and 109
- Two 1,500-foot-long recycled water supply lines between the facility and the City of San Jose (the City) Waste Pollution Control Plant's (WPCP) recycled water supply pipeline in Zanker Road

- A 2,000-foot-long sanitary sewer discharge line to the City's sewer main in Zanker Road
- A 1,000-foot-long stormwater line between the LECEF and the Coyote Creek flood control channel to the east. Installation of a permanent stormwater outfall, which extended the Phase 1 temporary outfall 250 feet to the low flow channel was completed in accordance with CEC licensing requirements (Phase 1) and other permit conditions (including permits from U.S. Army Corps of Engineers [USACE], Regional Water Quality Control Board [RWQCB], and California Department of Fish and Game [CDFG]) in October 2008.
- A 370-horsepower diesel fire pump

Phase 2 of the project will add the following major equipment to the Phase 1 facility:

- HRSGs tube sections and associated steam drums and piping, to be installed within and around the existing HRSG casings
- HRSG duct burners
- A six-cell, plume-abated cooling tower
- A nominal 140 MW STG
- Circulating water pumps and boiler feedwater pumps
- A deaerating surface condenser
- A second ammonia storage tank to be installed in the existing secondary containment basin
- A 230-kV underground transmission connection to the adjacent Silicon Valley Power (SVP) 230-kV Switching Station through two 115:230-kV transformers

The Project Owner owns the 34-acre project parcel on which the LECEF Phase 1/Phase 2 facilities and temporary construction parking and laydown area are situated. All Phase 2 infrastructure (including HRSGs, STGs, cooling towers, storage tanks, various pumps, and 230-kV connection) will be sited entirely within the existing fenced Phase 1 site. The 13-acre temporary construction parking and laydown area required during Phase 2 construction is located immediately south of LECEF and north of Ranch Drive. The parking and laydown area was also used for parking and laydown during Phase 1 construction. On November 3, 2010, CH2MHILL conducted a reconnaissance of the temporary work area and noted that the site had gone fallow by ruderal grassland species with evidence of routine disking.

A supplemental to the Phase 1 Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP) for the LECEF (Phase 2) in the form of a technical memorandum was prepared in December 2010 as required under the conditions of the CEC license for Phase 2. The purpose of the Phase 1 BRMIMP was to ensure that actions authorized, funded, or carried out by state or federal lead agencies were not likely to jeopardize the continued existence of endangered, threatened or other special-status species. The BRMIMP described mitigation measures and guidance for implementation to protect biological resources within the Phase 1 project area. The technical memorandum reviews the existing BRMIMP, identifies potential sensitive biological resources that may occur in the proposed project area, describes the current applicability of elements of the original BRMIMP in light of the new Phase 2 license and its conditions of certification, and discusses the mitigation measures that will be implemented to avoid and

minimize impacts to sensitive biological resources during Phase 2 construction and operation. Any deficiencies in the original BRMIMP are resolved in the amendment document to comply with the new conditions of certification.

Sensitive resources that may be encountered during Phase 2 construction are limited to potential habitat for ground-nesting birds including, but not limited to, burrowing owl. The 13-acre temporary parking and laydown area is the only construction area supporting potential habitat; however routine disking that may be occurring there significantly reduces its suitability as nesting habitat. With the exception of the temporary parking and laydown area, all Phase 2 construction will take place within the existing facility footprint. As a result many of the measures and conditions included in the original BRMIMP for Phase 1 are not applicable to Phase 2.

The project was designed to avoid significant adverse impacts to sensitive biological resources to the furthest extent feasible. Protection measures were developed during informal and formal consultation with local, state, and federal agencies to minimize unavoidable project impacts. The Designated Biologist (DB) or Biological Monitor (BM) will be available during all phases of construction to ensure compliance with the mitigation measures outlined in the BRMIMP and supplemental memo. The following report includes a summary of the Phase 2 monitored biological activities for May and part of June 2011 (June 1 to June 20).

MONITORED MITIGATION MEASURES AND PERMIT CONDITIONS

Mitigation measures for the project site were developed through consultation with the CEC, and state and federal agencies. Documentation of compliance with any conditions of the agency permits will be included in this section when required on the project.

Conditions of Certification (COC)

All COC's were in compliance for the months of May and June. The following COC's, BIO-2, 4, 8, and 11, were applicable compliance measures for the months of May and June 2011 and require specific language to be included in each monthly compliance report. Therefore each is addressed separately below.

BIO-2. States that implementation of BRMIMP measures shall be reported in the monthly compliance reports by the DB (i.e., survey results, construction activities that were monitored, species observed). This written monthly report was prepared by the DB for the months of May and June and identifies survey results and construction activities (see General Notes and Observations section below) and species observed (Appendix A).

BIO-4. States that every worker will attend and participate in the Worker Environmental Awareness Program (WEAP) and the DB and/or BM make weekly site visits to insure that BIO-4 was in compliance. During the months of May and June, the BMs Danielle Tannourji and Daniel Weinberg verified project compliance with BIO-5.

BIO-8. Addresses the implementation and application of biological impact and avoidance measures, Best Management Practices (BMPs), Stormwater Pollution Prevention Plan (SWPPP), and staking and flagging of exclusion zones of biological resources. Also, every worker must participate in the WEAP and the DB and/or BM are to make weekly site visits to insure that BIO-8 was in compliance during the months of May and June. During the months of May and June, the BMs verified project compliance with BIO-8.

BIO-11. Requires that preconstruction surveys be conducted for Western burrowing owl (BUOW) for all project components (i.e., facility and laydown areas) no less than 15-days and no more than 20-days prior to the initiation of construction on each project component. Written reports summarizing results will be sent to CEC Compliance Project Manager (CPM) and California Department of Fish and Game (CDFG). Surveys for BUOW were performed during April and submitted as required in anticipation of a May 11th construction start date. The DB performed preconstruction surveys on April 29,

2011 for the project site and surrounding areas following standard survey techniques for the species. No BUOW or any potential burrow sites were observed during the preconstruction survey. A written report summarizing the results of the surveys was sent to the CPM and CDFG. The DB and/or BMs made weekly site visits to insure that BIO-11 remained in compliance during the months of May and June.

SUMMARY OF SITE ACTIVITIES

This section provides a summary of May and June 2011 project activities and associated biological monitoring. A cumulative wildlife species list is included in Appendix A. The DB Todd Ellwood and BMs Danielle Tannourji and Daniel Weinberg completed logs summarizing activities, personal interactions, and observations made during each site visit.

Site Construction

May 11th was the start of the project site preparation and initial contractor mobilization, which consisted of initial site clearing and grubbing, sediment fence and SWPPP measure installation, site excavation (i.e., the work areas for the HRSGs tube sections and associated steam drums and piping), and stockpiling the excavated dirt for later use. During the first week of construction, other activities that occurred during this initial disturbance included installation of: guard shack, signage, and restroom delivery/setup. In addition to the HRSGs trench excavation work, the second and third weeks of construction included site grubbing and clearing in the northeastern portion of the LECEF site for temporary construction trailers and in the 13- acre laydown area for the worker parking lot, as well soil stockpiling along the eastern boundary of the LECEF site.

Monitoring visits by the DB Todd Ellwood and BMs, Danielle Tannourji and Daniel Weinberg were conducted weekly to document permit compliance.

Worker Environmental Awareness Training Program

The Worker Environmental Awareness Program (WEAP) was developed exclusively for the LECEF Phase 2 project. Program materials include a worker handbook, training video, posted speed limit signs and sensitive species awareness supporting posters. As required by COC BIO-4, all new employees must attend the WEAP training. To date, a total of 78 personnel have received WEAP training in May and June. The Calpine Safety Supervisor administered the WEAP training to new employees. Signed affidavits are kept on file by the Calpine Safety Supervisor in the site trailer.

General Daily Notes and Observations

During May and June daily biological monitoring was not required. The DB and the BMs covered project biological oversight. The monitoring efforts for May and June are documented below.

On May 11th, BM Danielle Tannourji was on site to perform pre-disturbance biological surveys prior to ground disturbing activities to the LECEF project site. The undeveloped areas within the LECEF project site as well as the proposed parking lot area located south of the LECEF project site were mowed sometime prior to this day as part of routine LECEF Phase 1 operations and maintenance. All construction personnel attended a WEAP and safety training video prior to construction mobilization. The BM monitored site preparation and grading activities at the first of the three proposed HRSGs locations including stockpile preparations, as well as

initiation of sediment and perimeter fence installation. For more information on these observations see Appendix B, Site Photos. During this monitoring effort the LECEF project was in compliance with all biological resources COCs.

On May 12th, BM Daniel Weinberg was on site to monitor ground disturbing activities. Grading and stockpiling activities as well as silt fence installation continued throughout the day. During this monitoring effort the LECEF project was in compliance with all biological resources COCs.

On May 13th, BM Danielle Tannourji was on site to monitor ground disturbing activities. Grading and stockpiling activities as well as silt fence installation continued throughout the day. Digging at the second HRSG location began while trenching continued at the first location. During this monitoring effort the LECEF project was in compliance with all biological resources COCs.

On May 19th, BM Danielle Tannourji was on site to monitor ground disturbing activities and conducted a preconstruction survey of the proposed parking lot area located in the adjacent 13-acre laydown area (to the south). Grading and trenching activities occurred at all three HRSG locations with stockpiling continuing at the north end as well as adjacent to the HRSG locations. The preconstruction survey at the proposed parking lot included a 100-ft buffer around the work area which was the approximate distance from the southern boundary of the LECEF site. The survey identified 6 active bird nests outside of the work area approximately 50 to 75 feet away from the proposed parking lot area. All nests had 3-5 eggs present and consisted of common resident birds including California towhee (*Melospiza crissalis*), northern mockingbird (*Mimus polyglottos*), mourning dove (*Zenaidura macroura*), and house finch (*Carpodacus mexicanus*). All nest locations were flagged and sensitive resources signage and a 50-foot buffer area was delineated with stakes by Mrs. Tannourji following the survey to restrict any construction access to this area. For more information on these observations see Appendix B Site Photos. All nest sites are at least 50 feet away from the proposed parking lot work area, therefore activities will be in compliance with all biological resources COCs. In addition, a BM will be present during initial construction activities to ensure no disturbances occur to the nests.

On May 20th, BM Danielle Tannourji was on site to monitor the initial site preparations for the proposed parking lot area as well as the trenching activities at the HRSG locations. Prior to work in the proposed parking lot area, Mrs. Tannourji met with the construction crew to alert them of the active bird nests and direct them on construction access, noise, and disturbance during their construction activities. She also showed them the areas that were off limits to any construction-related activities which were clearly delineated with orange stakes, flags, and signage. Mrs. Tannourji monitored the silt fence installation which included a tractor and two crew men. This activity was minimal and caused little to no increase in noise. There were two storm drains within the 50-foot buffer area that needed silt fence so the two crew men used hand tools to install these fences and the BM monitored this short activity as well. No biological disturbances were observed at the 6 bird nest locations during the silt fence installation. In addition, the trenching and stockpiling activities on the LECEF site were monitored in the afternoon. All activities were in compliance with all biological resources COCs.

On May 23rd, BM Danielle Tannourji was on site to monitor ground disturbing activities. Grading and stockpiling activities as well as parking lot silt fence installation continued throughout the day. Digging at the third HRSG location began while trenching continued at the first location. More equipment for the HRSG piping was delivered this day and stored onsite

adjacent to the HRSG trench. During the monitoring effort the LECEF project was in compliance with all biological resources COCs.

On May 24th, BM Danielle Tannourji was onsite to monitor ground disturbing activities. Grading and stockpiling activities as well as parking lot silt fence installation continued throughout the day. Digging at the third HRSG location continued while trenching continued at the first location. More equipment for the HRSG piping was delivered and stored onsite adjacent to the HRSG trench. During the monitoring effort the LECEF project was in compliance with all biological resources COCs.

On May 25th, BM Danielle Tannourji was onsite to monitor the initial site preparations for the proposed soil stockpiling along the eastern perimeter of the LECEF site and disking at the northeastern corner for the onsite temporary construction trailers. Prior to work in these areas, Mrs. Tannourji conducted a preconstruction survey in both areas which included a 100-foot buffer around each work area. The survey identified 2 active bird nests in the northeastern work area along the northern project boundary. All nests had 5 eggs present and consisted of common resident birds including northern mockingbird and house finch. Both nest locations were flagged and sensitive resources signage and a 50-foot buffer area was delineated with stakes by Mrs. Tannourji after the survey to restrict any construction access to this area. For more information on these observations see Appendix B Site Photos. Both nest sites are at least 50 feet away from the proposed work areas, therefore activities will be in compliance with all biological resources COCs. In addition, a BM will be present during initial construction activities to ensure no disturbances occur to the nests.

On May 25th, Mrs. Tannourji met with the construction crew to alert them of the active bird nests and direct them on construction access, noise, and disturbance during their construction activities. She also showed them the areas that were off limits to any construction-related activities which were clearly delineated with orange stakes, flags, and signage. Mrs. Tannourji monitored the silt fence installation which included a tractor and two crew men. This activity was minimal and caused little to no increase in noise. No biological disturbances were observed at the 2 nest locations during the silt fence installation, disking, or soil stockpiling. In addition, the trenching activities on the LECEF site were monitored. All activities were in compliance with all biological resources COCs.

On May 26th, BM Daniel Weinberg was on site to monitor ground disturbing activities. Grading and stockpiling activities as well as disking at the northeastern corner of the site for trailer installation continued throughout the day. Digging at the third HRSG location continued while trenching continued at the first location. Some silt fencing was replaced with new material. During this monitoring effort the LECEF project was in compliance with all biological resources COCs.

On May 27th, DB Todd Ellwood was onsite to monitor ground disturbing activities. Grading continued at the northeastern corner of the site for trailer installation. Preparation for dewatering the HRSG subexcavation entailing set up of an onsite Baker Tank also occurred. No disturbance occurred outside the LECEF site in the temporary laydown area. The DB added sensitive resource keep out signage at the perimeter of the no-work buffer of the onsite active bird nests. During this monitoring effort the LECEF project was in compliance with all biological resources COCs.

On May 31st, BM Danielle Tannourji was on site to monitor ground disturbing activities. Trenching and dewatering activities at the HRSG sites continued as well as more grading at the proposed parking lot area. All bird nests on site were monitored throughout the morning and no disturbances were observed. During this monitoring effort the LECEF project was in compliance with all biological resources COCs.

On June 1st, BM Daniel Weinberg was on site to monitor ground disturbing activities. Trenching and dewatering activities at the HRSG sites continued as well as base rock compaction at the proposed parking lot area. Heavy rain events during the day caused some areas of the silt fence to fail, but the contractor corrected these areas immediately. In addition, the road sweeper was used extensively to avoid track-out. All bird nests on site were monitored throughout the day and no disturbances were observed. During this monitoring effort the LECEF project was in compliance with all biological resources COCs.

On June 2nd, BM Danielle Tannourji was on site to monitor ground disturbing activities. Trenching and dewatering activities at the HRSG sites continued as well as base rock compaction at the proposed parking lot area. In addition, the road sweeper and water truck were used periodically. All bird nests on site were monitored throughout the day and no disturbances were observed. During this monitoring effort the LECEF project was in compliance with all biological resources COCs.

On June 6th, BM Danielle Tannourji was on site to monitor ground disturbing activities. Trenching activities at the HRSG sites continued as well as base rock compaction at the proposed parking lot area. In addition, the road sweeper and water truck were used periodically. All bird nests on site were monitored throughout the day and no disturbances were observed. During this monitoring effort the LECEF project was in compliance with all biological resources COCs.

On June 9th, BM Danielle Tannourji was on site to monitor ground disturbing activities. Trenching activities at the HRSG sites continued as well as base rock compaction at the proposed parking lot area. In addition, the road sweeper and water truck were used periodically. All bird nests on site were monitored throughout the day and no disturbances were observed. During this monitoring effort the LECEF project was in compliance with all biological resources COCs.

On June 15th, BM Danielle Tannourji was on site to monitor ground disturbing activities. Trenching activities at the HRSG sites continued, however no work was conducted at the proposed parking lot area. In addition, the road sweeper and water truck were used periodically. All bird nests on site were monitored throughout the day and no disturbances were observed. During this monitoring effort the LECEF project was in compliance with all biological resources COCs.

On June 17th, BM Danielle Tannourji was on site to monitor ground disturbing activities. Trenching activities at the HRSG sites continued however no work was conducted at the proposed parking lot area. Concrete flurries discovered during excavations at the HRSG sites were stored on site temporarily and will be hauled off site next week to an authorized disposal facility. The BM identified no biological issues during the work day. The road sweeper and water truck were used periodically. All bird nests on site were monitored throughout the day

and no disturbances were observed. During this monitoring effort the LECEF project was in compliance with all biological resources COCs.

Appendix A
Cumulative Wildlife Species Observed In or Near
the Project Area

Cumulative Wildlife Species Observed in or Near the LECEF Project Area

Common Name	Scientific Name	Comments
BIRDS		
Great blue heron	<i>Ardea herodias</i>	Fly over
Great egret	<i>Ardea alba</i>	Fly over
Snowy egret	<i>Egretta thula</i>	Fly over
Turkey vulture	<i>Cathartes aura</i>	Fly over
Red-tailed hawk	<i>Buteo jamaicensis</i>	Fly over
Rock pigeon (<i>Exotic</i>)	<i>Sterna fosteri</i>	Facility and laydown area
Mourning dove	<i>Streptopelia decaocto</i>	Facility and laydown area
Anna's hummingbird	<i>Chaetura vauxi</i>	Laydown area
Black phoebe	<i>Sayornis nigricans</i>	Facility and laydown area
California towhee	<i>Melospiza crissalis</i>	Facility and laydown area
Western scrub-jay	<i>Aphelocoma californica</i>	Facility and laydown area
American crow	<i>Corvus brachyrhynchos</i>	Facility and laydown area
Common raven	<i>Corvus corax</i>	Facility and laydown area
Tree swallow	<i>Tachycineta bicolor</i>	Facility and laydown area
Northern mockingbird	<i>Mimus polyglottos</i>	Facility and laydown area
European starling (<i>Exotic</i>)	<i>Sturnus vulgaris</i>	Facility and laydown area
Song sparrow	<i>Melospiza melodia</i>	Facility and laydown area
White-crowned sparrow	<i>Zonotrichia leucophrys</i>	Facility and laydown area
Red-winged blackbird	<i>Agelaius phoeniceus</i>	Facility and laydown area
Brewer's blackbird	<i>Euphagus cyanocephalus</i>	Facility and laydown area
Western Meadowlark	<i>Sturnella neglecta</i>	Facility and laydown area
House finch	<i>Carpodacus mexicanus</i>	Facility and laydown area
MAMMALS		
California vole	<i>Microtus californicus</i>	Facility and laydown area
Botta's pocket gopher	<i>Thomomys bottae</i>	Facility and laydown area

Appendix B
Representative Photographs



#1. A view of pre-project site conditions at the southern portion of the LECEF site where the new HRSGs will be built. Photo was taken May 11, 2011.



#2. A view facing north of pre-project site conditions of the soil stockpile area along west side of existing LECEF site. Photo was taken May 11, 2011.



#3. A view looking east of silt fence installation along the southern perimeter of the LECEF site. Photo was taken May 12, 2011.



#4. A view of temporary stockpiling, standing at northeast corner of existing LECEF site. Photo was taken May 12, 2011.



#5. A view facing west of the second HRSG excavation site. Photo taken May 13, 2011.



#6. A view of a California towhee nest with 5 eggs located 75 feet east of the proposed parking lot area. Photo was taken May 19, 2011.



#7. A view facing southeast of the 50-foot buffer area for the nesting birds located near the proposed parking lot site. The California towhee nest is located in the coyote brush shrub in the background, approximately 75 feet from the stakes. Photo was taken May 19, 2011.



#8. This silt fence marks the northern perimeter of the proposed parking lot area. The grass area in the foreground is part of the 50 foot bird nest buffer area. Photo was taken May 20, 2011.



#9. HRSG piping delivered and stored on site along the southern access road next to HRSG #1. Photo was taken May 23, 2011.



#10. A view of trenching activities for the HRSG piping installation at HRSG #1. A shallow groundwater table shows in the photo. Photo was taken May 25, 2011.



#11. Excavated soils stockpile area at east boundary of project. Photo taken May 26, 2011.



#12. A view of the temporary trailer and parking area at the northeast boundary looking east. The 50 foot buffer area for the two active bird nests located along the northern boundary of the project site is to the left between the silt fence and the chain link fence. Photo was taken May 31, 2011.



#13. A view looking east of silt fence maintenance and repair during a rain event at the southwest boundary of LECEF site. Photo taken June 1, 2011.



#14. A view looking southeast of a road sweeper cleaning up the roads on site during a rain event at the southwest boundary of LECEF site. Photo was taken June 1, 2011.



#15. A view south of a grader and water truck at the proposed parking lot located south of LECEF within the 13-acre laydown area.. Photo was taken June 2, 2011.



#16. View looking east of the HRSG excavation site. Photo was taken June 6, 2011.



#17. View looking east of the HRSG site with piping being installed. Photo was taken June 9, 2011.



#18. View looking north of the cooling tower location. Photo was taken June 15, 2011.



#19. View looking northeast of the HRSG site with piping being welded. Photo was taken June 17, 2011.

**CONDITION OF CERTIFICATION
BIO-4**

**Los Esteros Critical Energy Facility II, Phase 2
Monthly Compliance Report #1
May-June 2011**

Number of persons who have received WEAP Training during the reporting period:

May - 68

June - 73

Total to date - 141 (As of 6/29/11)

**CONDITION OF CERTIFICATION
CUL-2**

**Los Esteros Critical Energy Facility II, Phase 2
Monthly Compliance Report #1
May-June 2011**

Activity ID	Activity Name	OD	RD	TF	% Comp	Start	Finish	June 2011		July 2011	
								20	27	04	11

PROJECT MILESTONES

MILESTONES

MILESTONES

MS1095a	MEANINGFUL CONSTRUCTION COOLING TOWER	0	0		100%		23-Jun-11 A				
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CIVIL / STRUCTURAL / ARCHITECTURAL

LEASING OF TEMPORARY OFFICE AND CRAFT FACILITIES (TRAILERS)

No LE-WBS4

EPYA05501	TEMP OFFICE FAC-Set Trailers	9	9	107	0%	05-Jul-11*	15-Jul-11				
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GENERAL SITE WORK

SITWORK

CS0SIT1040	DEVELOP CRAFT PARKING LOT AREA	12	4	111	98%	24-May-11 A	30-Jun-11				
CSK011501	4200-001, SITWORK - SHOP ASSEMBLE PHASE 4A SUPPORTS	20	7	29	50%	06-Jun-11 A	06-Jul-11				
CS0SIT011A	REMOVE EXCESS FLOW FILL PIPE/DUCTBANK CW PIPE PHASE 2	9	0		100%	14-Jun-11 A	22-Jun-11 A				
CS0SIT1003	BACKFILL UG CW PIPE-PHASE 1	6	3	24	9%	23-Jun-11 A	29-Jun-11				
CS0SIT1092A	REMOVE EXCESS FLOW FILL PIPE/DUCTBANK PHASE 4A	10	8	15	5%	23-Jun-11 A	07-Jul-11				
CS0SIT1105	INSTALL VEHICLE WASH STATION	2	1	3	50%	24-Jun-11 A	27-Jun-11				
CS0SIT1012	INSTALL UG CW PIPE TEMP UTIL SUPPORTS-PHASE 2	5	3	6	15%	24-Jun-11 A	29-Jun-11				
CS0SIT1013	COMPLETE MASS EXCAVATE UG CW PIPE-PHASE 2	4	4	6	0%	30-Jun-11	06-Jul-11				
CS0SIT1000A	MASS EXCAVATE STG FNDN	6	6	47	0%	30-Jun-11	08-Jul-11				
CS0SIT1030	MASS EXCAVATE UG CW PIPE-PHASE 3	3	3	16	0%	01-Jul-11	06-Jul-11				
CS0SIT1011B	EXCAVATE PHASE 4A PIPE MODS	2	2	16	0%	05-Jul-11*	06-Jul-11				
CS0SIT1014	PLACE BEDDING UG CW PIPE-PHASE 2	2	2	6	0%	06-Jul-11	08-Jul-11				
CS0SIT1000B	ENGR FILL STG FNDN	11	11	47	0%	07-Jul-11	21-Jul-11				
CS0SIT1031	PLACE BEDDING UG CW PIPE-PHASE 3	2	2	12	0%	11-Jul-11	12-Jul-11				
CS0CTWF102	MASS EXCAVATE CW PIT/MID COOLING TOWER FNDN	5	5	2	0%	12-Jul-11	18-Jul-11				

MAJOR AND MISC STRUCTURAL CONCRETE

CONCRETE

CS0CTWF105	FORM/REBAR COOLING TOWER NORTH BASIN FLOOR	9	0		100%	06-Jun-11 A	21-Jun-11 A				
CS0CTWF129	FORM/REBAR COOLING TOWER SOUTH BASIN FLOOR	10	3	17	70%	13-Jun-11 A	29-Jun-11				
CS0CTWF110	POUR CONCRETE COOLING TOWER NORTH BASIN FLOOR	1	0		100%	23-Jun-11 A	23-Jun-11 A				
CS0CTWF111	CURE CONCRETE COOLING TOWER NORTH BASIN FLOOR	1	2	86	20%	23-Jun-11 A	28-Jun-11				
CS0CTWF112	STRIP FORM COOLING TOWER NORTH BASIN FLOOR	3	3	60	0%	29-Jun-11	01-Jul-11				
CS0CTWF130	POUR CONCRETE COOLING TOWER SOUTH BASIN FLOOR	1	1	57	0%	30-Jun-11	30-Jun-11				
CS0CTWF131	CURE CONCRETE COOLING TOWER SOUTH BASIN FLOOR	1	1	83	0%	01-Jul-11	01-Jul-11				
CS0CTWF115	FORM/REBAR COOLING TOWER NORTH BASIN WALLS	8	8	60	0%	01-Jul-11	13-Jul-11				
CS0CTWF132	STRIP FORM COOLING TOWER SOUTH BASIN FLOOR	4	4	57	0%	05-Jul-11	08-Jul-11				
CS0CTWF135	FORM/REBAR COOLING TOWER SOUTH BASIN WALLS	8	8	57	0%	08-Jul-11	19-Jul-11				

Actual Work
 Remaining Level of Effort
 Critical Remaining Work
 Remaining Work



Activity ID	Activity Name	OD	RD	TF	% Comp	Start	Finish	June 2011		July 2011	
								20	27	04	11
CS0CTWF120	POUR CONCRETE COOLING TOWER NORTH BASIN WALLS	1	1	60	0%	14-Jul-11	14-Jul-11				
CS0CTWF121	CURE CONCRETE COOLING TOWER NORTH BASIN WALLS	2	2	85	0%	15-Jul-11	16-Jul-11				
PIPING											
UNDERGROUND CIRCULATION WATER PIPE SYSTEM											
UG CIRC WATER PIPING											
CSK031501	4400-002, UG CW PIPE - FIELD ASSEMBLE PIPE MOD SPOOLS	4	4	14	0%	05-Jul-11*	08-Jul-11				
CS0SIT1082	MODIFY FIRE LINE/PIV @N1281 UG CW PIPE-PHASE 4A	3	3	21	0%	11-Jul-11	13-Jul-11				
CS0UGCW2	INSTALL U/G CW PIPING-PHASE 2	8	8	6	0%	11-Jul-11	20-Jul-11				
CS0SIT1091	MODIFY PIPING -PHASE 4A	10	10	14	0%	11-Jul-11	22-Jul-11				

Remaining Level of Effort
 Remaining Work
 Actual Work
 Critical Remaining Work



**CONDITION OF CERTIFICATION
CUL-4**

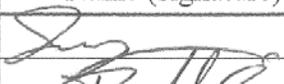
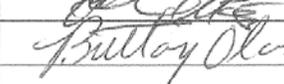
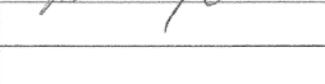
**Los Esteros Critical Energy Facility, Phase 2
Monthly Compliance Report #1
May-June 2011**

**Los Esteros Critical Energy Facility, Phase 2
 WORKER AWARENESS ENVIRONMENTAL PROGRAM
 TRAINING SIGN-IN SHEET
 (Biology, Archaeology, & Paleontology)**

DATE: 6/29/11

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Los Esteros Critical Energy Facility, Phase 2, and I agree to comply with all the environmental requirements presented.

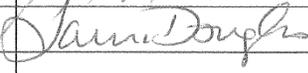
Name (print)	Name (signature)	Company/Role
Jeremy Hamilton		Modspace / Sr. PM
Rigoberto Gomez		G.S.C.
Arturo Gomez		G.S.S.
Brittany Olah		CH2M

**Los Esteros Critical Energy Facility, Phase 2
 WORKER AWARENESS ENVIRONMENTAL PROGRAM
 TRAINING SIGN-IN SHEET
 (Biology, Archaeology, & Paleontology)**

DATE: 6/27/11

PLEASE NOTE:

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Name (print)	Name (signature)	Company/Role
Bradley Allender		CH2M HILL / Resident Engineer
Laura Douglass		PG&E

**Los Esteros Critical Energy Facility, Phase 2
 WORKER AWARENESS ENVIRONMENTAL PROGRAM
 TRAINING SIGN-IN SHEET**
(Biology, Archaeology, & Paleontology)

DATE: 6/24/11

PLEASE NOTE:

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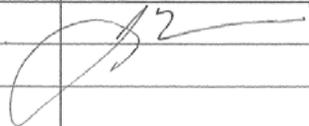
	Name (print)	Name (signature)	Company/Role
75156	Fraylan Tindoc ^{CP}		M d STATE
75157	John Huelckert		HATTON CRANE
75158	Felix Aronson ^{CAN}		MSSE
75159	JORGE CUEVADO		MSSE
75160	ROGER PETERSON		CH2M / LG

**Los Esteros Critical Energy Facility, Phase 2
 WORKER AWARENESS ENVIRONMENTAL PROGRAM
 TRAINING SIGN-IN SHEET**
(Biology, Archaeology, & Paleontology)

DATE: 6/23/11

PLEASE NOTE:

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Name (print)	Name (signature)	Company/Role
JAM HESS		SAFETY LG

Los Esteros Critical Energy Facility, Phase 2
WORKER AWARENESS ENVIRONMENTAL PROGRAM

TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 6/22/11

PLEASE NOTE:

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Name (print)	Name (signature)	Company/Role
Rafael Beltrán	Rafael B.	Casey Fogli

Los Esteros Critical Energy Facility, Phase 2
WORKER AWARENESS ENVIRONMENTAL PROGRAM

TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 6/23/11

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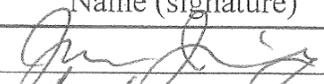
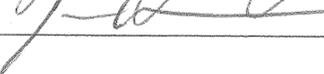
Name (print)	Name (signature)	Company/Role
MARSHALL SEALEY	M Sealey	LGC/QA MGR
Larry Gotelli	L Gotelli	GEM

**Los Esteros Critical Energy Facility, Phase 2
 WORKER AWARENESS ENVIRONMENTAL PROGRAM
 TRAINING SIGN-IN SHEET**
(Biology, Archaeology, & Paleontology)

DATE: 6/21/11

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Los Esteros Critical Energy Facility, Phase 2, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
JASON JENNINGS		HARDER MECH.
CHRIS HUTCHINGS		HARDER MECHANICAL

**Los Esteros Critical Energy Facility, Phase 2
 WORKER AWARENESS ENVIRONMENTAL PROGRAM
 TRAINING SIGN-IN SHEET**
(Biology, Archaeology, & Paleontology)

DATE: 6/20/11

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Los Esteros Critical Energy Facility, Phase 2, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
Jon S Feazier		CF&T concrete pumping
Chris McDonald		G&M Slingers

**Los Esteros Critical Energy Facility, Phase 2
WORKER AWARENESS ENVIRONMENTAL PROGRAM**

TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 6/18/11

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Los Esteros Critical Energy Facility, Phase 2, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
JOHN WILLS	<i>John Wills</i>	Oversea
Armando Scazzz	<i>Armando Scazzz</i>	Oversea
M. YORK BRONKH	<i>M. York Bronkh</i>	CH2M HILL

**Los Esteros Critical Energy Facility, Phase 2
WORKER AWARENESS ENVIRONMENTAL PROGRAM**

TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 6/17/11

PLEASE NOTE:

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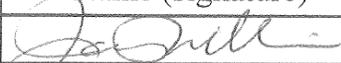
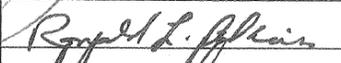
Name (print)	Name (signature)	Company/Role
RANDY BOCANEGRRA	<i>Randy Bocanegrra</i>	CASEY-FOLLI
Alfonso Reza	<i>Alfonso Reza</i>	CASEY-Fogli
ARMANDO CLAUDIO	<i>Armando Claudio</i>	CAL WEST CONCRETE CASTING

**Los Esteros Critical Energy Facility, Phase 2
 WORKER AWARENESS ENVIRONMENTAL PROGRAM
 TRAINING SIGN-IN SHEET**
(Biology, Archaeology, & Paleontology)

DATE: 6/16/11

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Los Esteros Critical Energy Facility, Phase 2, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
James T. Williams		LGC - EPC
Ronald L. Akins		CMT
Manny Hernandez		CMT

**Los Esteros Critical Energy Facility, Phase 2
 WORKER AWARENESS ENVIRONMENTAL PROGRAM
 TRAINING SIGN-IN SHEET**
(Biology, Archaeology, & Paleontology)

DATE: 6/15/11

PLEASE NOTE:

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Name (print)	Name (signature)	Company/Role
HANS KOSTEN		AIMS / CBO

**Los Esteros Critical Energy Facility, Phase 2
WORKER AWARENESS ENVIRONMENTAL PROGRAM**

TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 6/15/11

PLEASE NOTE:

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Name (print)	Name (signature)	Company/Role
MAXINE HARRINGTON	<i>(Signature)</i>	CENTRAL CONCRETE SUPPLY
Rick McNeil	<i>(Signature)</i>	CF+T

**Los Esteros Critical Energy Facility, Phase 2
WORKER AWARENESS ENVIRONMENTAL PROGRAM**

TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 6/14/11

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Los Esteros Critical Energy Facility, Phase 2, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
Antonio Mendoza	<i>(Signature)</i>	HARDER Mechanical Co.
MANUEL ZUNIGA	<i>(Signature)</i>	HARDER MECHANICAL Co
Richard A. Romo	<i>(Signature)</i>	Harder Mechanical Co
Chris Dettinger	<i>(Signature)</i>	McClure Elect.

Los Esteros Critical Energy Facility, Phase 2
WORKER AWARENESS ENVIRONMENTAL PROGRAM
TRAINING SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

DATE: 6/13/11

PLEASE NOTE:

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Name (print)	Name (signature)	Company/Role
DALE WEMER	Dale Wemer	C-F
Bill Allan	W Allan	McClure/Elect
EMERDIO BRAVO	Emerdicio Bravo	Casey-Fogli
JOSE CORTES	Jose Cortes	Casey Fogli
Glenn Cucinotti	Glenn Cucinotti	DSM Mod Space
Francisco Bustamante	Francisco Bustamante	CASEY FOGLI
Jesus Fernandez	Jesus Fernandez	Casey-Fogli
Manuel Cortez	Manuel Cortez	Casey-Fogli
Francisco Esparza	Francisco Esparza	Casey, Fogli
Arturo Valdez	Arturo Valdez	CASEY Fogli
EDDIE GARCIN	Eddie Garcin	DSM MOD SPACE
Victor Kovaly	Victor Kovaly	DSM (Mod Space)
Lisa DeMartini	Lisa DeMartini	Calpine

**Los Esteros Critical Energy Facility, Phase 2
WORKER AWARENESS ENVIRONMENTAL PROGRAM
TRAINING SIGN-IN SHEET**
(Biology, Archaeology, & Paleontology)

DATE: 6-10-11

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Los Esteros Critical Energy Facility, Phase 2, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
Patrick McClung	<i>Patrick McClung</i>	MCR
JOSE AMAYA	<i>Jose Amaya</i>	MCR

**Los Esteros Critical Energy Facility, Phase 2
WORKER AWARENESS ENVIRONMENTAL PROGRAM
TRAINING SIGN-IN SHEET**
(Biology, Archaeology, & Paleontology)

DATE: 6/9/11

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Los Esteros Critical Energy Facility, Phase 2, and I agree to comply with all the environmental requirements presented.

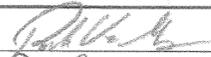
Name (print)	Name (signature)	Company/Role
Mike Jordan	<i>Mike Jordan</i>	Telecom Plus / site engineer
Marc Welter	<i>Marc Welter</i>	AIMS
Jeremy Jones	<i>J. Jones</i>	OVERAA

**Los Esteros Critical Energy Facility, Phase 2
 WORKER AWARENESS ENVIRONMENTAL PROGRAM
 TRAINING SIGN-IN SHEET**
(Biology, Archaeology, & Paleontology)

DATE: 6/8/11

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Los Esteros Critical Energy Facility, Phase 2, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
RICARDO MARTINEZ		KIER & WRIGHT
JOHN MARKIN		AIMS (CEO)
HEATH BRISCOE		KIER + WRIGHT

**Los Esteros Critical Energy Facility, Phase 2
 WORKER AWARENESS ENVIRONMENTAL PROGRAM
 TRAINING SIGN-IN SHEET**
(Biology, Archaeology, & Paleontology)

DATE: 6-7-11

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Los Esteros Critical Energy Facility, Phase 2, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
Greg Wiley		Harder Mech. QC

**Los Esteros Critical Energy Facility, Phase 2
 WORKER AWARENESS ENVIRONMENTAL PROGRAM
 TRAINING SIGN-IN SHEET**
(Biology, Archaeology, & Paleontology)

DATE: 6-3-11

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Los Esteros Critical Energy Facility, Phase 2, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
ERIC GOVE	<i>[Signature]</i>	F3
CHAD W. DEWANT	<i>[Signature]</i>	F3
Alejandro Navarro	<i>[Signature]</i>	C. Overaa Const.
ERIC GINN	<i>[Signature]</i>	OVERAA CONST.

**Los Esteros Critical Energy Facility, Phase 2
 WORKER AWARENESS ENVIRONMENTAL PROGRAM
 TRAINING SIGN-IN SHEET**
(Biology, Archaeology, & Paleontology)

DATE: 6/3/11

PLEASE NOTE:

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Name (print)	Name (signature)	Company/Role
JAVIER AUSAÑA	<i>[Signature]</i>	M. C. R.
BRIAN LEWIS	<i>[Signature]</i>	M. C. R.
Antonio C. Anaya	<i>[Signature]</i>	M. C. R.
Fernando Partido	<i>[Signature]</i>	M. C. R.

**Los Esteros Critical Energy Facility, Phase 2
WORKER AWARENESS ENVIRONMENTAL PROGRAM**

TRAINING SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

DATE: 6/2/11

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Los Esteros Critical Energy Facility, Phase 2, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
Jose L Campos	<i>[Signature]</i>	Durian & Venables
Richard Marr	<i>[Signature]</i>	Safety Manager
James Victor M. Green	<i>[Signature]</i>	Subdynamic Locating

**Los Esteros Critical Energy Facility, Phase 2
WORKER AWARENESS ENVIRONMENTAL PROGRAM**

TRAINING SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

DATE: 6/1/11

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Los Esteros Critical Energy Facility, Phase 2, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
Ronald Maybell	<i>[Signature]</i>	HANSON / Field Service
George Netto	<i>[Signature]</i>	Teamsters UO7
AL VANDIVER	<i>[Signature]</i>	CONTRA COSTA ELECTRIC
Gary Spike	<i>[Signature]</i>	CONTRA COSTA ELECTRIC
JEREMY SECKLAXER	<i>[Signature]</i>	CPN

**Los Esteros Critical Energy Facility, Phase 2
WORKER AWARENESS ENVIRONMENTAL PROGRAM**

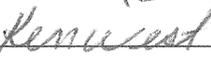
TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 5/31/11

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Los Esteros Critical Energy Facility, Phase 2, and I agree to comply with all the environmental requirements presented.

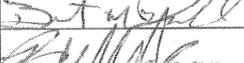
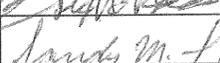
Name (print)	Name (signature)	Company/Role
Scott Fincher		Maxim
Patrick Timmons	Patrick Timmons	MAXIM crane
Dennis Thomas		CH2M HILL
John Martinez		Harder / Fitter
Rick Henry		Harder
Ken West		Harder / Fitter weld
Jason Gonzales		Harder / Fitter

Los Esteros Critical Energy Facility, Phase 2
WORKER AWARENESS ENVIRONMENTAL PROGRAM
TRAINING SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

DATE: 5/27/11

PLEASE NOTE:

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Name (print)	Name (signature)	Company/Role
Daniel Read		Viking Drillers
Matt Cantrell		Kier & Wright
BRETT McDONALD		KIER & WRIGHT
Billy Madsen		KIER & WRIGHT
SANDY M LUNARES		KIER & WRIGHT
Alberto Mantovic		Duran & Venables

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Los Esteros Critical Energy Facility, Phase 2
 WORKER AWARENESS ENVIRONMENTAL PROGRAM
 TRAINING SIGN-IN SHEET
 (Biology, Archaeology, & Paleontology)

DATE: ²⁶ 5/29/11

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Los Esteros Critical Energy Facility, Phase 2, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
J. Michael Crow	<i>J. Michael Crow</i>	LG Constructors Safety
HAROLD JUHALA	<i>Harold Juhalá</i>	SAFETY SUPERVISOR
ROY A. SAWWELSH	<i>Roy A. Sawwesh</i>	SAFETY OFFICER
Fred Collins	<i>Fred Collins</i>	Operator
Steve Lanning	<i>Steve Lanning</i>	Operator
ROBERT MEDINA	<i>R. Medina</i>	OPERATOR

Los Esteros Critical Energy Facility, Phase 2
 WORKER AWARENESS ENVIRONMENTAL PROGRAM
 TRAINING SIGN-IN SHEET
 (Biology, Archaeology, & Paleontology)

DATE: 5/25/11

PLEASE NOTE:

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Name (print)	Name (signature)	Company/Role
75069 KEN HAWKES JR	<i>Ken Hawkes Jr</i>	DURAN & VENABLES
75070 CLIFF OLINER	<i>Cliff Oliner</i>	Duran & Venable
75071 ANDRES L VAZQUEZ	<i>Andres L Vazquez</i>	DURAN & VENABLES

Los Esteros Critical Energy Facility, Phase 2
WORKER AWARENESS ENVIRONMENTAL PROGRAM
TRAINING SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

DATE: 5/24/11

PLEASE NOTE:

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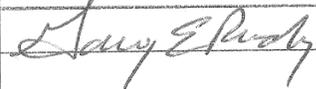
Name (print)	Name (signature)	Company/Role
Patrick Brown		Pat Brown Trucking

Los Esteros Critical Energy Facility, Phase 2
WORKER AWARENESS ENVIRONMENTAL PROGRAM
TRAINING SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

DATE: 5/19/2011

PLEASE NOTE:

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Name (print)	Name (signature)	Company/Role
GARY RUDY		DURAN VEVARCES

Los Esteros Critical Energy Facility, Phase 2
 WORKER AWARENESS ENVIRONMENTAL PROGRAM
 TRAINING SIGN-IN SHEET
 (Biology, Archaeology, & Paleontology)

DATE: 5/20/11

PLEASE NOTE:

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Name (print)	Name (signature)	Company/Role
Rick Fall	<i>Rick Fall</i>	MAXIM OP.
George Stephens	<i>George Stp</i>	Home supt.
Art Farnsworth	<i>art farn</i>	cmT
KEN KAIN	<i>[Signature]</i>	MAXIM/SUPT.
STEVE WEDMITH	<i>[Signature]</i>	OVERLAA cmT
BRUCE MOSSMANN	<i>[Signature]</i>	cmT

Los Esteros Critical Energy Facility, Phase 2
WORKER AWARENESS ENVIRONMENTAL PROGRAM
TRAINING SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

DATE: 5/17/11

PLEASE NOTE:

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Name (print)	Name (signature)	Company/Role
DANIEL RHODES	<i>[Signature]</i>	Security
David Nunes	<i>[Signature]</i>	DEU
Alberto Coctez	<i>[Signature]</i>	TRC
KERI SCHWAGER	<i>[Signature]</i>	CALPINE
Scott Leck	<i>[Signature]</i>	TRC

Los Esteros Critical Energy Facility, Phase 2
WORKER AWARENESS ENVIRONMENTAL PROGRAM
TRAINING SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

DATE: 5/16/11

PLEASE NOTE:

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Name (print)	Name (signature)	Company/Role
Don Wemberly	<i>[Signature]</i>	AMS Core / CSO

**Los Esteros Critical Energy Facility, Phase 2
 WORKER AWARENESS ENVIRONMENTAL PROGRAM
 TRAINING SIGN-IN SHEET**
(Biology, Archaeology, & Paleontology)

DATE: 5/13/11

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Name (print)	Name (signature)	Company/Role
Jose Contreras	<i>[Signature]</i>	U.S.V.
Jose Brayo	<i>[Signature]</i>	U.S.V.
Chris White	<i>[Signature]</i>	U.S.V.
Jesus Barron	<i>[Signature]</i>	CPN LECEF OPS
Ralph Sellers	<i>[Signature]</i>	CBO

**Los Esteros Critical Energy Facility, Phase 2
 WORKER AWARENESS ENVIRONMENTAL PROGRAM
 TRAINING SIGN-IN SHEET**
(Biology, Archaeology, & Paleontology)

DATE: 5/12/11

PLEASE NOTE:

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Name (print)	Name (signature)	Company/Role
JEFF STUMPF	<i>[Signature]</i>	CH2M HILL / HSE
Josh Holdas	<i>[Signature]</i>	CBN / LEAF of.
GAIL CARTER JR	<i>[Signature]</i>	CALPINE LECEF OPS
Daniel Winberg	<i>[Signature]</i>	CH2M HILL / Env.

Name (print)	Name (signature)	Company/Role
Jorge Ruiz Garcia		D.S.V. Mechanic
Dannelle Tannoy		Oxym Hill Bio Monitor

**CONDITION OF CERTIFICATION
CUL-5**

**Los Esteros Critical Energy Facility, Phase 2
Monthly Compliance Report #1
May-June 2011**

Monthly Report of Cultural Resources Monitoring Activities for the Los Esteros Critical Energy Facility Phase 2 for May 2011 and June 1 to June 20, 2011; COC CUL-6

Prepared For: Sarah Madams/SAC
Prepared By: Clint Helton/CRS
Reporting For Period: May 2011 through June 20

This report covers cultural resources monitoring activities at the LECEF for the month of May 2011 and June 1 to June 20, as requested by Rod Jones of Calpine, and as per Condition of Certification CUL-6.

Personnel Active in Cultural Monitoring This Period

Henry Davis participated as CRM for this month.

Monitoring and Associated Activities This Period

Monitoring of ground disturbance included excavation of the steam pipe trench, silt fence installation, disking and grading of the office trailer area and craft parking, excavation of the cooling tower foundation and exposure of a utility duct bank. Native sub-soils were encountered during trenching. Native sub-soils were at a depth of 4 to 5 feet from ground surface. The native soil is characterized as black silty clay overlaying light gray to yellow brown silty clays that may be intact depending on pre-fill topography. No native soils were encountered during the excavation of the cooling tower foundation or the duct bank.

Cultural Resources Discoveries This Period

No new cultural resources discoveries were made during this period.

Anticipated Changes in the Next Period

Major excavation activities will continue inside the facility. The CRM will remain on site to continue monitoring and to respond to discoveries if they occur.

Comments, Issues or Concerns

It is anticipated that the July MCR will include the period from June 21 to 30 and the entire month of July. Thereafter, the MCR will revert to normal reporting of the calendar months.

**CONDITION OF CERTIFICATION
PAL-4**

**Los Esteros Critical Energy Facility, Phase 2
Monthly Compliance Report #1
May-June 2011**

Report of Paleontological Resources Compliance Activities for Los Esteros Critical Energy Facility Phase 2 for May 2011 through June 20, 2011; COC PAL-4

Prepared For: Sarah Madams/SAC

Prepared By: Geof Spaulding, PRS/LAS

Date: June 22, 2011

This report covers paleontological resources compliance activities at the LECEF for the period noted above, as required by Conditions of Certification PAL-4.

Training Conducted This Month

Construction personnel continue to receive the CEC approved Paleontological Resources Awareness Module of the Worker Environmental Awareness Program (WEAP) prior to working on this project (COC PAL-3).

Personnel On-Call for Paleontological Monitoring This Period

Jaspal Saini, Paleontological Resources Monitor (PRM)

Dr. Geof Spaulding, Project Paleontological Resources Specialist (PRS)

Monitoring and Associated Activities This Period

The *Supplement and Amendment to the PRMMP for the Los Esteros Critical Energy Facility* (May 2011) provides an updated assessment of the paleontological sensitivity of the project area, pursuant to the monitoring activities and additional paleontological studies that were pursuant to Phase 1. It concludes that no additional monitoring for paleontological resources is warranted for this project.

Therefore, as a result of the low paleontological resources sensitivity of the project site no paleontological resources monitoring has been conducted. The paleontological resources awareness module of WEAP will continue to be administered to all construction personnel before starting work at the site.

Anticipated Changes in the Next Period

No changes are anticipated at this time.

Comments, Issues or Concerns

None.

**CONDITION OF CERTIFICATION
WASTE-5**

**Los Esteros Critical Energy Facility, Phase 2
Monthly Compliance Report #1
May-June 2011**



United States Environmental Protection Agency
Region 9
75 Hawthorne Street , (WST-6)
San Francisco, CA 94105

Acknowledgment Letter

May 18, 2011

ROD JONES
800 THOMAS FOON CHEW WAY
SAN JOSE, CA 95134

By obtaining a United States Environmental Protection Agency (EPA) Identification (ID) Number, you have notified EPA of your planned hazardous waste activities that are regulated under the Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations. The assigned EPA ID Number was based on the information that was provided on the EPA Form 8700-12, Notification of RCRA Subtitle C Activity, which was received on **04/27/2011**. Your EPA ID number (also referred to as RCRA ID Number) below is specific to the location indicated on the RCRA Site Location, and cannot be used at, or transferred to another location.

EPA (RCRA) ID #: CAR000218420
RCRA Site Name: LOS ESTEROS CRITICAL ENERGY FACILITY PHASE 2
RCRA Site Location: 800 THOMAS FOON CHEW WAY
SAN JOSE, CA 95134

The EPA ID Number is to be used on transport manifests and any other hazardous waste management documentation required under the RCRA Subtitle C Regulations.

EPA has listed your hazardous waste activities status as:

Small Quantity Generator

Your EPA ID Number does not expire. However, if any of the information required in the form changes, (e.g. RCRA Site Name, hazardous waste activity status, contact information, etc.), you may be required to notify EPA by resubmitting a Form 8700-12 (see the instructions accompanying Form 8700-12 at <http://www.epa.gov/osw/inforesources/data/form8700/8700-12.pdf>). If you plan to cease or have ceased operation at the RCRA Site Location, you must notify EPA as well. For this, you could send a letter to EPA requesting to inactivate the EPA ID Number. A letter will be sent to the contact person indicating the change(s) based on the submitted documentation.

Please keep in mind that if you have the hazardous waste activity status of a "Large Quantity Generator", there is a required Biennial Reporting that must be filed with your appropriate state or region. For more information, please visit <http://www.epa.gov/epawaste/inforesources/data/form8700/contact.pdf> to find the contacts for States and EPA Regions. If you have any RCRA Notification (EPA ID Number) questions, please call 415-495-8895. This RCRA Notification service telephone line is operated by EPA Region 9's Contractor, Tetra Tech EM, Inc.

**CONDITION OF CERTIFICATION
SOCIO-1**

**Los Esteros Critical Energy Facility, Phase 2
Monthly Compliance Report #1
May-June 2011**

27 JUNE 2011

ACTIVITIES REPORT FOR SOCIO -1

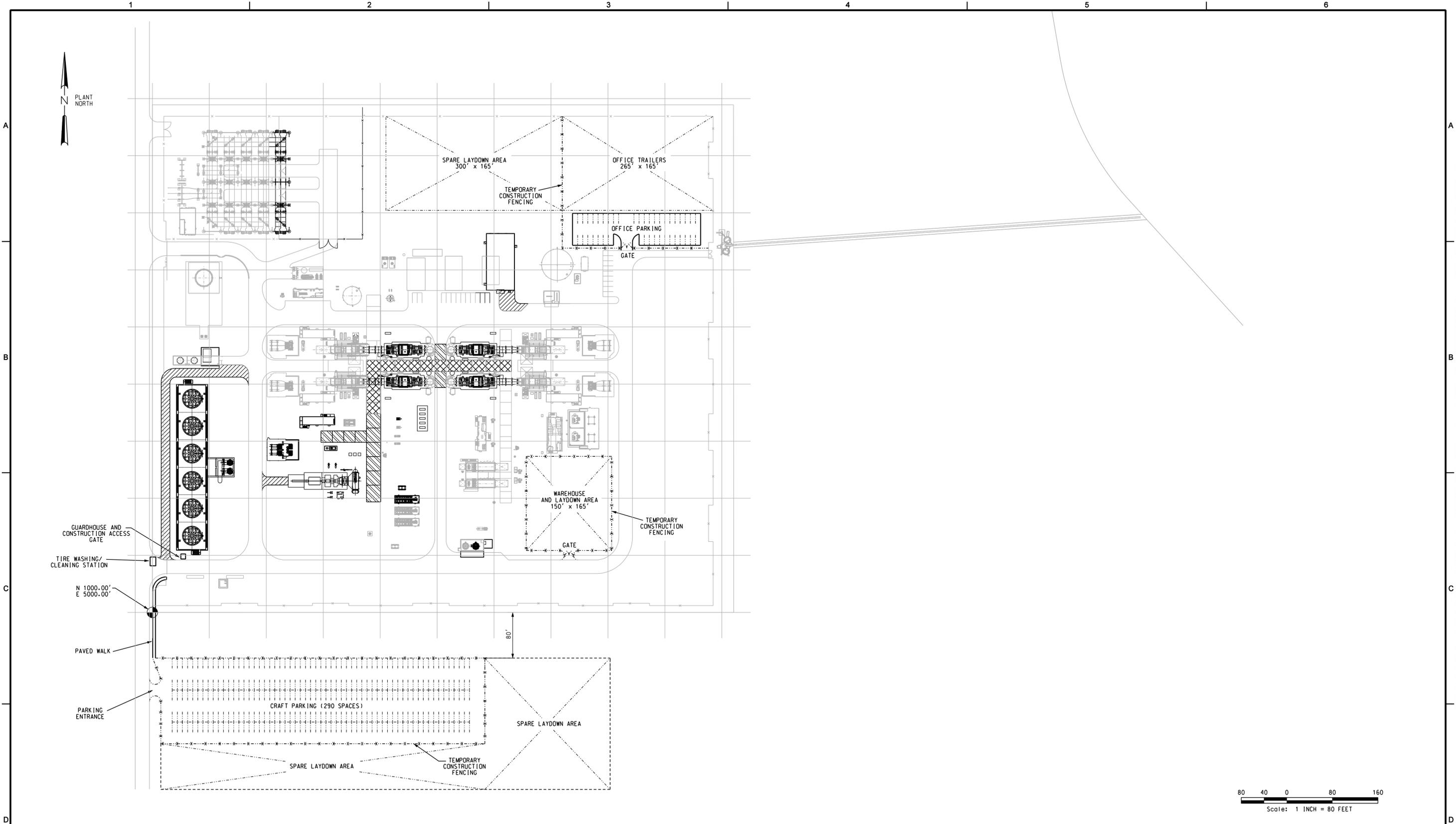
Work contracted to date utilizing Labor from the Bay Area:

- **MISSION CITY REBAR INC** Reinforcing Steel
- **Modular Space Corporation** Leasing Of Temporary Office And Craft Trailers
- **HOMESITE SERVICES INC** Leasing of Construction Waste Dumpsters
- **HANSON & FITCH INC** Leasing of Temporary Toilets and Hand Wash Stations
- **Kier & Wright Civil Engineers and Surveyors, Inc.** Construction Survey
- **TRC ENGINEERS INC** Construction Materials Inspections and Testing
- **JAN PRO COMMERCIAL CLEANING** Temporary Facilities (Trailers) Cleaning
- **TRC ENGINEERS INC.** Hazardous Soils Testing
- **Central Concrete Supply** Ready Mix Concrete
- **C. Overaa & Co.** General Site Grading and Foundations
- **Harder Mechanical** CW Pipe Installation
- **Hanson CW Pipe** Mfg'd in Illinois because only supplier that could make Project Schedule delivery dates on site.
- **To Be Awarded** Temporary Fencing

No additional awards are currently forecasted for next 2 month

**CONDITION OF CERTIFICATION
TRANS-4**

**Los Esteros Critical Energy Facility, Phase 2
Monthly Compliance Report #1
May-June 2011**



NO.	DATE	REVISION	BY	CHK	REVISION APPROVAL		REV B	DATE 02/23/11	STATUS						
					DISCIPLINE	REVIEWED			DISCIPLINE	REVIEWED	ISSUED	REV	DATE	DM	SDE
A	02/14/11	ISSUED FOR REVIEW	TBJ		DISCIPLINE	REVIEWED			PRELIMINARY						
B	02/23/11	REVISED & RE-ISSUED FOR REVIEW	TBJ		CIVIL				FOR REVIEW AND APPROVAL	B	02/23/11				
					STRUCTURAL				APPROVED FOR CONSTRUCTION						
					MECHANICAL				REVISED & APPROVED FOR CONSTRUCTION						
					PROCESS										
					PIPING										

Los Esteros Critical Energy Facility, LLC
Phase 2

PROJECT NO. 417531

CH2MHILL
CH2MHILL Engineers, Inc.

GENERAL ARRANGEMENT
CONSTRUCTION PARKING & STAGING PLAN

DWG. NO. G-PC001
REV. B

SCALE 1" = 80'-0"

FILENAME: PLOT DATE:

BAR IS ONE INCH ON ORIGINAL DRAWING.

REUSE OF DOCUMENTS: THIS DOCUMENT AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2M HILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2M HILL.

LECEF, Phase 2 Construction Compliance Matrix

6/28/2011

LEGEND	PENDING
	PAST DUE
	IN REVIEW
	COMPLETE

STATEMENT OF WORK, APPENDIX 2, CONTRACTOR AND OWNER'S PERMITS

REF	RESP. PARTY	PERMIT LICENSE, APPROVAL NAME	WHERE REQUIRED	APPROVAL AUTHORITY	MILESTONE WHEN REQUIRED	Responsibility	PERMIT NUMBER	PERMIT DATE	EXPIRATION DATE	COMMENTS
C1	EPC	Bldg and Grading Plan	If required	CBO/City of San Jose	Prior to Mobilization, if required	EPC				Part of CIVIL 1. Disposition received with response required.
C2	EPC	Construction Notification of Waste Activity (EPA ID No)	COC Waste-5	EPA/ Cal DTSC	Prior to Mobilization (only required if we generate haz waste)	EPC				Calpine has EPA #. Only the facility is required to have #
C3	EPC	Board of Equalization Generator Account		Cal Board of Equalization	Prior to Mobilization (only required if we generate haz waste)	EPC				EPC to obtain an account
C4	EPC	Oversized Load / Heavy Haul permits	COC Trans-2	Caltrans / all relevant jurisdiction	Prior to heavy haul operations	Haulers				Haulers to obtain
C5	EPC	Notice to proposed Construction (Temp equipment 200' + AGL)	If required	FAA	You must file with the FAA at least 45 days prior to construction if: 1. your structure will exceed 200ft above ground level 2. your structure will be in proximity to an airport and will exceed the slope ratio 3. your structure involves construction of a traverseway (i.e. highway, railroad, waterway etc...) 4. your structure will emit frequencies, and does not meet the conditions of the FAA Co-location Policy 5. your structure will be in an instrument approach area and might exceed part 77 Subpart C 6. your structure will be on an airport or heliport	EPC				Based on determination, no filing is required.
C6	EPC	Construction spill prevention countermeasure control plan	If required	CEPA / EPA	Prior to >1,320 gallons of petroleum products on site	EPC / Contractor				No plan to store >1,320 gallons onsite
C7	EPC	Licensed hazardous materials haulers permit	COC Trans-3	CA Highway patrol and Caltrans	Prior to transportation of hazardous materials used or generated during construction, commissioning, and start up	Haulers				No plans to generate hazardous waste and transport offsite
C8	EPC	Occupancy permit	COC GEN 1	CBO/City of San Jose	Issued by CBO	EPC				Part of Trailer plan in C13
C9	EPC	Tree removal permit	COC BIO 13	CBO/City of San Jose	90 days prior ot removal of trees	EPC				No Plans to remove any trees
C10	EPC	Hazardous Material Business Plan (HMBP)	If 55 gals/500 pounds/200 cubic feet of compressed gas onsite	State of CA	Also serves as a waste contingency plan	EPC				

C11	EPC	Portable Equipment registration program (PERP)	ARB requires engines 50HP or greater	State of CA		Contractor				Part of AQSC-3. Equipment to be inspected for registration when brought onsite
C12	EPC	SWPPP	> 5 acres of land	State of CA (SMART Database)		EPC				Conditional approval
C13	EPC	Trailer Set up	Required by CBO	CBO/City of San Jose	Prior to set up of trailers Mid April to CBO is the target	EPC				layout to Calpine on 3/23. Need to submit trailer site layout, tie-down and utility tie-in locations, floor plans showing doors and office locations. Trailer documents submitted to the CBO on 6/6/11
O1	LECEF	CEC, Final Commission decision, Commission Order No. 06-1011-05, Docket No. 03-AFC-2, Oct 2006	CBC 108.4.1	CEC	Prior to mobilization		03-AFC-2	10/11/2006	10/11/2011	
O2	LECEF	All required operating permits (authority to construct) for LOCEF	COC AQ-36	BAAQMD	Prior to mobilization		Application #8859 Plant #13289			
O3	LECEF	National Pollutant Discharge Elimination System (NPDES) for construction stormwater discharge order #2009-0009-DWQ	COC soil & water 2	SFRWQCB	60 days prior to mobilization					
O4	LECEF	Licensed hazardous materials haulers permit	COC Trans 3	CA Highway patrol and Caltrans	Prior to hauling hazardous waste for only hazardous waste generated by LECEF after substantial complete					
O5	LECEF	Title IV acid rain	COC AQ-37	BAAQMD / EPA	Current permit was reapplied for in 11/2008					
O6	LECEF	Title V operating permit (permit to operate) Plant No 13289	COC AQ-37	BAAQMD / EPA	Current permit was reapplied for in 11/2008					
O7	LECEF	NPDES permit for industrial stormwater notice of intent (operations) No 2 4S017829	COC soil and water 3 No CAS 000001	SFBRWQCB	Site currently has an industrial SW permit Must be updated 30 days prior to operations					
O8	LECEF	Operations Notification of waste activity (EPA ID No)	COC Waste-5	DTSC / EPA	Site already has an active CA EPA ID		CAL000275218			
O9	LECEF	Operations spill prevention countermeasure control plan		CEPA / EPA	Site currently has a SPCC plan. Will need to be updated for phase 2 volumes					
O10	LECEF	Final waste water discharge permit	COC soil and water -8 municipal code chapter 15, section 15.14.725	City of San Jose	60 days prior to mobilization					
O11	LECEF	Recycled water users agreement	COC soil and water-7	City of San Jose / CBO	60 days prior to mobilization					
O12	LECEF	Section 10 permit	COC BIO-18	USFW						CBO Approved