

December 17, 2010

*Compliance Log # 2010-164*

Ms. Mary Dyas  
09-AFC-06C  
California Energy Commission  
1516 Ninth Street, (MS-2000)  
Sacramento, CA 95814

**RE: Blythe Solar Power Project (09-AFC-06C)  
Palo Verde Solar I  
Condition of Certification COM-06  
Monthly Compliance Report #1 (November 2010)**

Dear Mary:

In compliance with Condition of Certification COM-06 as set forth in the California Energy Commission's Final Decision for the Blythe Solar Power Project, enclosed please find one hard copy and one electronic version of the Project's first Monthly Compliance Report for the period ending November 30, 2010.

If you have any questions regarding this submission, please feel free to contact me at (510) 463-6506.

Sincerely,



Nicole Tenenbaum  
Compliance Program Manager

cc: Mr. Naim Triki, Director of EPC Management, Solar Millennium LLC

Blythe Solar Power Project  
(09-AFC-6C)

Monthly Compliance Report #1  
November 2010 Reporting Period

December 20, 2010

Blythe Solar Power Project  
Monthly Compliance Report #1

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## Abbreviations and Acronyms

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AFC	Application of Certification
AQ	Air Quality
AQCMM	Air Quality Construction Mitigation Manager
AQCMP	Air Quality Construction Mitigation Plan
BIO	Biological
BLM	Bureau of Land Management
BM	Biological Monitor
BRMIMP	Biological Resources Mitigation Implementation and Monitoring Plan
BSPP	Blythe Solar Power Project
CARB	California Air Resources
Caltrans	California Department of Transportation
CBO	Chief Building Official
CDFG	California Department of Fish & Game
CEC	California Energy Commission
COM	Compliance
CPM	Compliance Project Manager
CSS	Construction Safety Supervisor's
CUL	Cultural
DB	Designated Biologist
HTF	Heat Transfer Fluid
KPC	Kiewit Power Constructors
KPE	Kiewit Power Engineering
MECH	Mechanical

MCR	Monthly Compliance Report
PAL	Paleontological
P&IDs	Piping and Instrumentation Diagram
ROW	Right Of Way
S&W	Soil & Water
SM LLC	Solar Millennium LLC
STRUC	Structural
TRANS	Transmission
TSE	Transmission System Engineering
USFWS	United States Fish and Wildlife Service

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## Introduction

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On September 15, 2010, the California Energy Commission (CEC) issued a license to Solar Millennium LLC (SM LLC) for the construction and operation of the Blythe Solar Power Project (BSPP). On November 4, 2010 the CEC Compliance Project Manager (CPM) issued a conditional Notice to Proceed (NTP) letter to SMLLC allowing the start of limited construction activities associated with site mobilization and earth moving work on the site.

This document constitutes SMLLC's first monthly compliance report (MCR) for the BSPP, as required by Condition of Certification COM-6 in the CEC Final Decision. The information contained in this report covers engineering, procurement, construction, and environmental compliance activities that were performed during November 2010.

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## Overall Project Status

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SMLLC has contracted with Kiewit Power Engineering (KPE) & Kiewit Power Constructors (KPC) to provide the engineering, procurement, and construction services needed to build the BSPP. As of the end of November 2010, the Project was > 0.1% complete. The following table presents the percent complete numbers for the engineering, procurement, and construction activities as of November 30, 2010:

Activity	% Complete
♦ Engineering	13%
♦ Procurement	>0.1%
♦ Construction	>0.1%

### Engineering

During November 2010, KPE submitted Phase 1a related drawings and specifications to the Chief Building Official (CBO) for review and plan check. KPE also continued to work on the engineering drawings for Black Rock Road.

### Procurement

The procurement focus for November 2010 was on review of information received, meeting with potential vendors, and execution of a lease agreement for temporary office space in Blythe. Office and site safety equipment were purchased and subcontracts for the well pump installation and for site security were executed.

## **Construction**

During November, KPC performed survey calibration activities at the Project site, conducted safety training for new staff, staked the east-west connector road, installed well pipe, and began laying out Desert Tortoise fence in the well area.

Weekly coordination calls and monthly meetings were held during the reporting period between SMLLC, AECOM (SMLLC's environmental contractor), KPE, and KPC. A Project schedule for the Project is included in Exhibit 1. A key events list is included in Exhibit 2. The contract completion date for the BSPP Unit – 1 currently is October 2013.

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## **EPC Activities Accomplished During Reporting Period**

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This section of the monthly compliance report provides detailed information on the engineering, procurement, and construction activities that were accomplished during the reporting period.

**Engineering.** The following civil, structural and mechanical engineering activities were completed during November 2010:

- The access road drawings were issued to the geotechnical engineer for review and approval.
- The building specifications were submitted to the CBO for review and approval.
- The engineered pipe support specifications were submitted to the CBO for review and approval.
- The deaerating feedwater heater specifications were submitted to the CBO for review and approval.
- The control room layout drawing was submitted to the CBO for review and approval.
- The wingwall detail drawing and calculations were submitted to the CBO for review and approval.
- The signage and stripping detail drawings were submitted to the CBO for review and approval.
- The auxiliary steam P&IDs were submitted to the CBO for review and approval.
- The overall one-line diagram was submitted to the CBO for review and approval.
- Continued working on creating the Black Rock Road drawings.

During November, the master CBO submittal log was updated by KPE and posted to the CBO's website. To reduce the size of the exhibits attached to this MCR, SMLCC refers the CEC CPM directly to this website to review the updated master CBO submittal log on line.

Engineering activities *planned* for December 2010 include:

- Continue work on access road and Black Rock Road drawings.
- Submit specifications for Shop Fabricated Tanks, Emergency Diesel Generator, and Flywheel UPS System
- Issue raw water, service water and wastewater P&IDs for review.
- Submit specification for Access Road Earthwork.
- Submit specification for Tortoise Fencing.
- Submit Temporary Office Trailer plans and calculations.

**Procurement.** KPC conducted the following procurement related activities during November:

- Signed a lease agreement for a temporary office in Blythe, CA.
- Purchased office equipment.
- Purchased site safety equipment.
- Executed a subcontract for the well pump installation.
- Executed a subcontract for site security.

Procurement activities *planned* for December 2010 include:

- Procure Klein Tanks and filters for well water.
- Purchase tortoise fencing material.
- Purchase sediment control BMPs (Silt Fence).
- Procure construction equipment for civil work (623 Scraper, 450 Backhoe, & JD 722 Blade).
- Procure Water Truck for dust suppression.

**Construction.** The following section discusses the construction activities conducted during November 2010 and those planned for December 2010. Representative photographs of the

construction activities performed during the reporting period are included in Exhibit 3. Biological, cultural, and paleontological resource monitors participated in weekly look-ahead meetings to discuss planned activities and were onsite as required during the reporting period. Major construction activities performed during the reporting period included:

- Conducted survey calibration
- Layout early access right of way (ROW)
- Safety Training for KPC Staff, craft workers, and subcontractors
- Completed staking the East-West Connector Road
- Installed 200 linear feet of well pipe
- Began laying out Desert tortoise fence in well area
- Equipment Deliveries: Connex's, Klein Tank, Light Plant, Generator, Air Compressor, Fuel Tank, Loader, Backhoe

Construction activities *planned* for December 2010 include the following:

- Complete Desert tortoise fence installation at well area, and continue tortoise fencing installation along the access road, shared services area and temp power corridor.
- Begin grading on main access road.
- Install well water filters and water meter.
- Install Klein Tank for well water storage.
- Continue dust control operations.
- Begin grading on main access road.

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## **Compliance Activities**

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This section of the monthly compliance report focuses on SMLLC's activities related to ensuring that compliance with all the Conditions of Certification as currently outlined in the BSPP Commission Decision is achieved in a timely and satisfactory manner. The following information is provided per the requirements set forth in Condition of Certification COM-6.

**Compliance Matrix.** The compliance matrix was updated during the reporting period to reflect the dates that compliance submittals were provided to the CEC and the dates approvals were

obtained from the CBO, CEC CPM, or delegate agency. A copy of the updated matrix is included in Exhibit 4.

**Completed Compliance Activities.** During the reporting period, the following documents were submitted to the CEC CPM for review and approval.

Date	To	Condition	Subject
11/04/2010	CEC CPM	S&W-05	Baseline Groundwater Level Monitoring Report
11/05/2010	CEC CPM	CUL-16h	Native American Monitors
11/05/2010	CEC CPM	CUL-16	Cultural Resources Monitoring Level of Effort
11/05/2010	CEC CPM	BIO-03	Request for Approval of Additional BIO Monitors
11/12/2010	CEC CPM	GEN-05	Engineering Geologist Approval
11/12/2010	CEC CPM	S&W-01	DESCP Figure
11/12/2010	CEC CPM	CUL-13a	Blythe Army Air Base to the DTCCL
11/15/2010	CEC CPM	CUL-12b	Historic Unimproved roads to the DTCCL
11/15/2010	CEC CPM	CUL-15a	WEAP Brochure
11/15/2010	CEC CPM	CUL-13a	BAABR Pipelines to DTCCL
11/16/2010	CEC CPM	NOISE-01	Photos of Project Sign
11/16/2010	CEC CPM	CUL-03	Cultural Field Crew Availability
11/24/2010	CEC CPM	BIO-07e	Aerial Pre-Con Photos
11/24/2010	CEC CPM	AQ-SC08	AQMD Authority to Construct
11/29/2010	CEC CPM	CUL-6,7,11	Data Recovery Efforts Update PHASE-1a
11/29/2010	CEC CPM	S&W-12	Existing and Proposed Flow and Velocity Models
11/30/2010	CEC CPM	Worker Safety-06	AED receipt and photos
11/30/2010	CEC CPM	CUL-8, 10	CRS Concurrence Regarding Elimination of Sites from Phase-1a Data Recovery

**Required Documents Submitted With This Report.** The Commission Decision sets forth specific conditions, many of which include reporting requirements that must be addressed in the Project's MCR. The following paragraphs describe the compliance activities that were completed during the reporting period:

- ♦ AQ-SC01 (AQCMM): As required by the Condition of Certification, the Air Quality Construction Mitigation Manager (AQCMM) is responsible for directing and documenting compliance with the construction-related air quality conditions of certification at the Project site and linear facilities. Additional monitors will be assigned as needed to cover times when there are multiple tasks occurring simultaneously that require oversight, extended hours of construction, or when the AQCMM is unavailable. A copy of the AQCMM's monthly report

is included in Exhibit 5, and the daily monitoring log is available on site for the CPM's inspection.

- ♦ AQ-SC02 (AQCMP): Construction mitigation measures as set forth in this condition and in the Project's approved Air Quality Construction Mitigation Plan (AQCMP) were complied with during the reporting period. Specific information on the implementation of the plan's measures is included in the AQCMM's Monthly Report included in Exhibit 5.
- ♦ AQ-SC03 (Construction Fugitive Dust Control): Kiewit is currently in the process of converting the existing onsite test well to a construction production well. The onsite construction well will be used to produce water for dust control measures. Until the well is operational, Kiewit is controlling dust by limiting construction activities and reducing vehicles speeds. No grading will take place until water is available for dust control.
- ♦ AQ-SC04 (Dust Plume Response Requirement): Kiewit is responding to dust plumes by immediately stopping the specific construction activities that are creating the plume. Kiewit will continue this practice until such time the onsite construction well is operational and water can be used in dust plume response.
- ♦ AQ-SC05 (Diesel-Fueled Engines Control): All construction equipment on site has been inspected by the AQCMM or his delegate and meets the requirements of California Air Resources Board (CARB). Also, all construction diesel engines with a rating of 50 hp or higher meet the Tier 3 CARB emissions standards. Copies of the diesel engine certifications, along with a list of heavy equipment present on site during the month are provided in Exhibit 5.
- ♦ BIO-02&04: Copies of all written reports and summaries that document biological resources compliance activities, including those conducted by the Biological Monitors (BMs) are provided in the Designated Biologist's monthly report included in Exhibit 6.
- ♦ BIO-06: During November, the total number of personnel who received the Construction Worker Environmental Awareness Training was 85. Copies of the Worker Environmental Awareness Program (WEAP) training sign-in sheets for the monthly reporting period are included in Exhibit 7.
- ♦ BIO-07 (Implementation of Biological Resources Mitigation Implementation and Monitoring Plan [BRMIMP]): The DB's monthly report is included in Exhibit 6.
- ♦ BIO-08: This condition requires that the Designated Biologist/Biological Monitor's provide monthly documentation on how the impact avoidance and minimization measures have been

implemented during the monthly reporting period. This information is included in the DB's monthly report (see Exhibit 6).

- ◆ BIO-09: This condition requires that the Designated Biologist/Biological Monitor's provide documentation of Desert Tortoise clearance surveys and fencing installation during the monthly reporting period. This information is included in the DB's monthly report (see Exhibit 6).
- ◆ BIO-11: Desert tortoise compliance verification activities conducted during the reporting period are described in the DB's monthly report included in Exhibit 6.
- ◆ BIO-16: This condition requires that the Designated Biologist/Biological Monitor's provide documentation of pre-construction nest surveys conducted during the monthly reporting period. This information is included in the DB's monthly report (see Exhibit 6).
- ◆ BIO-17: This condition requires that the Designated Biologist/Biological Monitor's provide documentation of implementation of kitfox/badger mitigation and avoidance measures during the monthly reporting period. This information is included in the DB's monthly report (see Exhibit 6).
- ◆ BIO-18: This condition requires that the Designated Biologist/Biological Monitor's provide documentation of implementation of harrowing owl mitigation and avoidance measures during the monthly reporting period. This information is included in the DB's monthly report (see Exhibit 6). A copy of the burrowing owl survey report [has/will be] provided to BLM, CDFG, and USFWS.
- ◆ COM-05: A copy of the updated compliance matrix is included in Exhibit 4.
- ◆ CIVIL 1-4: Copies of relevant CBO approval letters for November are provided in Exhibit 8.
- ◆ CUL-15: During November, the total number of personnel who received the Construction Worker Environmental Awareness Training was 85. Copies of the WEAP training sign-in sheets for the monthly reporting period are included in Exhibit 7.
- ◆ CUL-16: Daily monitoring reports were provided by the CRS to the CEC electronically during November. The cultural resource specialist's monthly report for the reporting period is included in Exhibit 6.
- ◆ ELEC-1: Electrical plans, specifications and calculations are currently being submitted for review and approval by the CBO. Transmittal letters are included in Exhibit 8.

- GEN-02: In accordance with this condition, an updated master submittal log is available online via the CBO's website for the BSPP.
- GEN-3: SM LLC's payments to the CBO during November were in the amount of \$82,000.
- GEN-5: The resume of the Geologist engineer was accepted by the CBO on November 10, 2010. Transmittal and CBO acceptance letters are included in Exhibit 8.
- GEN-06: No special inspectors were approved during the reporting period.
- GEN-7: No discrepancy in design and/or construction has been discovered in any engineering work that has undergone CBO design review and approval.
- GEN-8: To date, no work has been completed that has required CBO inspection and approval.
- MECH-01: Mechanical plans, specifications and calculations are currently being submitted for review and approval by the CBO. Transmittal letters are included in Exhibit 8.
- PAL-04: During November, the total number of personnel who received the Construction Worker Environmental Awareness Training was 85. Copies of the WEAP training sign-in sheets for the monthly reporting period are included in Exhibit 7.
- PAL-05: The paleontological resource specialist's monthly report for the reporting period is included in Exhibit 6.
- PAL-06: Any signed contracts or agreements executed during the monthly period are referenced in the paleontological resource specialist's monthly report (see Exhibit 6).
- S&W-01: There has been no precipitation or runoff during the month of November; therefore the effectiveness of the DESCP cannot be evaluated at this time. All erosion and sediment control measures will remain as planned for the foreseeable future.
- STRUC-01: Structural plans, specifications and calculations are currently under review by the CBO. Pre-cast and cast in place concrete specifications received CBO approval in November. Transmittal and CBO approval letters are included in Exhibit 8.
- STRUC-03: No design changes have been filed with the CBO.
- STRUC-04: Transmittal and CBO approval letters are included in Exhibit 8.
- TRANS-03: No heavy haul permits were obtained from Caltrans or Riverside County during November.

- ◆ TRANS-04: No encroachment permits were received from Caltrans or Riverside County during November. Kiewit is currently preparing the submittal for the encroachment permit for Black Rock Road.
- ◆ TRANS-06: No hazardous materials transportation permits were received from Caltrans during November.
- ◆ TSE-01: In accordance with this condition, an updated master submittal log is available online via the CBO's website for the BSPP. .
- ◆ TSE-4: No applicable to this reporting period.
- ◆ Worker Safety-03: A copy of site construction safety supervisor's (CSS) safety report for November is included in Exhibit 9.
- ◆ Worker Safety-04b: A copy of the CBO safety monitor's report for November is included in Exhibit 10.

**Submittal Deadlines Not Met.** None.

**Approved Changes to Conditions of Certification.** None.

**Filings or Permits Issued by Other Governmental Agencies.** No filings or permits were issued by other governmental agencies during the reporting period.

**Projected Compliance Activities for December 2010/January 2011.** In addition to continued reporting on the standard compliance items that require monthly updates, SMLLC anticipates that the following compliance documents will be submitted in the December or January MCRs:

- BIO-07: USFWS Final Biological Opinion
- CUL-06: Site CA-RIV-3419 Revision
- CUL-03: Revision of PHA
- S&W-04: Evidence of metering installation
- BIO-22: Notice prior to works in Jurisdictional State Waters
- BIO-09: DT Fencing – Early Works Map
- WASTE-01: MEC/UXO Geophysical Survey Report

- CUL-11: SMB-H-166 Letter Report

**Listing of Additions to Onsite Compliance Files During Reporting Period.** Copies of the documents included in the exhibits to this monthly compliance report have been added to the onsite compliance files.

**Requests to Dispose of Items Required to be in Compliance Files.** For this reporting period, no requests are being made for the disposal of items listed in the project owner's compliance files.

Blythe Solar Power Project  
(09-AFC-6C)

Monthly Compliance Report #1

Exhibit 1  
Project Summary Schedule



Blythe Solar Power Project  
(09-AFC-6C)

Monthly Compliance Report #1

Exhibit 2  
Key Events List

## KEY EVENTS LIST

PROJECT: Blythe Solar Power Project

DOCKET #: 09-AFC-6C

CEC COMPLIANCE PROJECT MANAGER: Mary Dyas

EVENT DESCRIPTION	DATE
Date of Certification	04/23/08
Obtain Site Control	04/01/11
Online Date	10/30/13
<b>POWER PLANT SITE ACTIVITIES</b>	
Start Site Pre-Mobilization	04/01/11
Start Ground Disturbance	11/15/10
Start Grading	06/01/11
Start Construction	12/15/10
Begin Pouring Major Foundation Concrete	06/27/11
Begin Installation of Major Equipment (begin erection of ACC)	03/09/11
Completion of Installation of Major Equipment	02/29/12
First Combustion of Gas Turbine	07/22/11
Obtain Building Occupation Permit	TBD
Start Commercial Operation – UNIT 1	10/30/13
Start Commercial Operation – UNIT 2	05/30/14
Complete All Construction	06/24/13
<b>TRANSMISSION LINE ACTIVITIES</b>	
Start T/L Construction	09/15/11
Synchronization with Grid and Interconnection	03/15/13
Complete T/L Construction	TBD
<b>HEAT TRANSFER FLUID (HTF) ACTIVITIES</b>	
HTF Delivery	06/17/13
<b>WATER TREATMENT FACILITY ACTIVITIES</b>	
Turn Over in Commissioning Water Treatment	03/29/13
Complete Turnover in Commissioning Water Treatment	05/20/13

Blythe Solar Power Project  
(09-AFC-6C)

Monthly Compliance Report #1

Exhibit 3

Construction Photographs

# Construction Photos



Completion of Cubicles and Touch-up Paint in Offsite Office



Delivery of Cubicles and office Furniture in Kiewit's Offsite Office

# Construction Photos

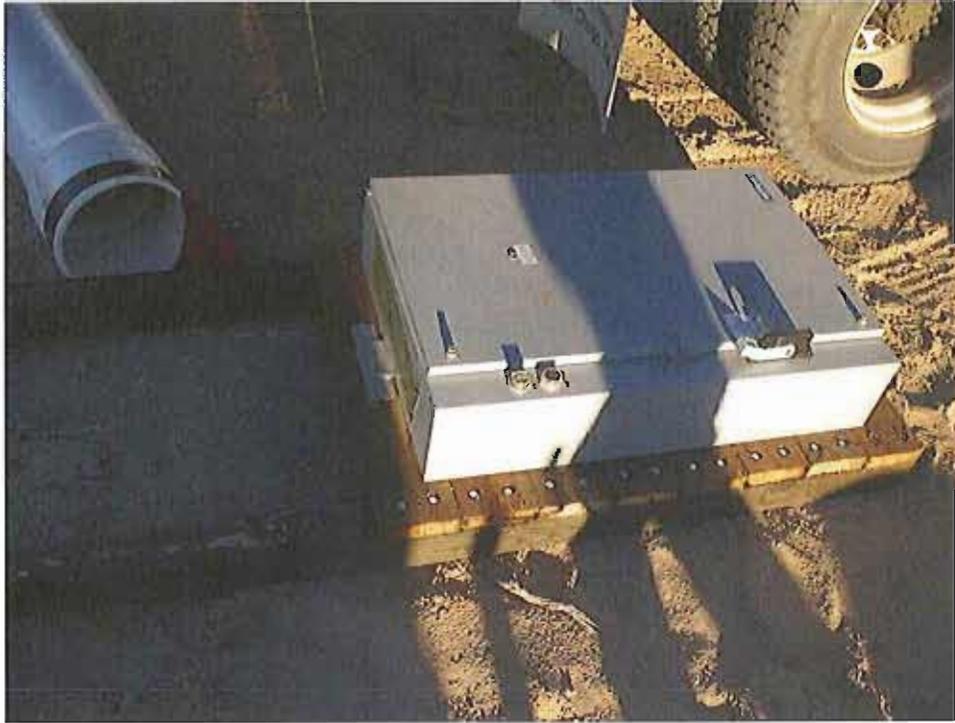


Initial Stages of Hidden Valley Pump Operations



Delivery of Well Pipe and Electrical Conduit

# Construction Photos



Delivery of Well Pump Control Panel



Delivery of Loader for initial stages of offloading material

# Construction Photos



Tool Connex's Delivered to Site



Subcontractors buy-in on visqueen under equipment

# Construction Photos



Filter Fabric and Tortoise Fence T-posts at lay-down area

Blythe Solar Power Project  
(09-AFC-6C)

Monthly Compliance Report #1

Exhibit 4  
Compliance Matrix

**BLYTHE SOLAR POWER PROJECT COMPLIANCE MATRIX BASED ON CEC FINAL DECISION, BLM ROD & ROW GRANT, USFWS BO**

Sort Code Legend:

Pre-Cons	Construction	Post-Construction	Comm	Op	Submitted to CEC/BLM	Follow-up or resub to CEC	Approved by CEC/BLM
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S=Satisfied AR=As required O=Ongoing

EW	Ja	1b	2	Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Resp. Party	Support Entity	Internal Start Date	Date Due to SM Compliance	Date sent to CEC, CBO or agency	Status/Notes	
				AQ-08	CONS	Records of fuel supplier certifications of fuel sulfur content shall be maintained to demonstrate compliance with the sulfur dioxide and particulate matter emissions limits.	Make the site available for inspection of records and equipment by representatives of the District, ARB, and the CEC.	As required	As required	Owner		As required	As required			
				AQ-09	CONS	Continuously monitor fuel flow rate and flue gas oxygen level.	Make the site available for inspection of records and equipment by representatives of the District, ARB, and the CEC.	As required	As required	Owner		As required	As required			
				AQ-13	CONS	Operation of the ullage expansion tanks, Application Number: 0010750, 0010757, 0010764 and 0010771 shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted.	Make the site available for inspection of records by representatives of the District, ARB, and the CEC.	As required	As required	Owner		As required	As required			
				AQ-14	CONS	The ullage expansion tanks shall store only HTF, specifically the condensable fraction of the vapors vented from the ullage system.	Make the site available for inspection of HTF piping Inspection and Maintenance Program records (AQ-17) and HTF system equipment by representatives of the District, ARB, and the CEC.	As required	As required	Owner		As required	As required			
				AQ-17a	CONS	Establish an inspection and maintenance program to determine, repair, and log leaks in HTF piping network and expansion tanks. Refer to Items a-j in the condition for requirements of inspection and maintenance program including among others, recording for 5 years the amount of HTF replaced on a monthly basis. [Note: this Condition was modified by Air District in its Authority to Construct Issued on 10-19-10 to define a potential leak. The corresponding condition in the air district's ATC for each HTF Expansion Tank now reads: HTF Expansion Tank, Condition 5, (e): "If a leak greater than 100 ppm above background is found, the leaking component shall be repaired, replaced or removed within 7 calendar days of detection."] ]	Submit the inspection and maintenance plan to the CPM for review and approval. Inspection and maintenance program and documentation shall be available to District staff upon request.	at least 30 days before taking delivery of the HTF	5/18/13	EPC			3/19/13	4/18/13		
				AQ-17c	CONS	Owner shall make the site available for inspection of HTF piping inspection and maintenance program records and equipment.	Make the site available for inspection by representatives of the District, ARB, and CEC.	As required	As required	Owner		As required	As required			
				AQ-22	CONS	If current non-criteria substances become regulated as toxic or hazardous substances and are used in this equipment, prepare a plan for the District demonstrating how compliance will be achieved and maintained with such regulations.	Submit a copy of the plan prepared to comply with this condition, if and when necessary, to the CPM for review.	within 30 days of submittal to the District	As required	Owner		As required	As required			
				AQ-24	CONS	The carbon adsorption systems shall provide 98% control efficiency of VOC emissions vented from the HTF ullage expansion tank under District permit (T010934, T010935, T010936, T010937).	Provide the District and CPM carbon adsorption manufacturer guarantee data showing compliance with this condition.	At least 30 days prior to installation of the carbon adsorption systems	1/2/13	EPC			11/3/12	12/3/12		
				AQ-25	CONS	Prepare a monitoring and change-out plan for the carbon adsorptions system which ensures that the system is operating at optimal control efficiency at all times for District approval prior to start up.	Submit a monitoring and change-out plan for the carbon adsorptions system for District approval and CPM review.	Prior to facility start-up	9/30/13	EPC			8/1/13	8/31/13		
				AQ-27	CONS	The carbon adsorption equipment must be in use and operating properly at all times the HTF ullage expansion tank is venting.	Make the site available for inspection of records by representatives of the District, ARB, and CEC.	As required	As required	EPC		As required	As required			
				AQ-35a	CONS	The cooling tower drift rate shall not exceed 0.0005% with a maximum circulation rate of 6,034 gallons per minute. The maximum hourly PM10 emission rate shall not exceed 0.061 pounds per hour, as calculated per the written District-approved protocol.	The manufacturer guarantee data for the drift eliminator, showing compliance with this condition, shall be provided to the CPM and the District.	30 days prior to cooling tower operation	1/2/13	EPC		As required	As required	11/3/12	12/3/12	
				AQ-39	CONS	The four 2,922 hp emergency IC engines, each driving a generator, shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.	Make the site available for inspection of equipment and records by representatives of the District, ARB, and CEC.	As required	As required	EPC		As required	As required			
				AQ-41	CONS	A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on the emergency IC engines to indicate elapsed engine operating time. (Title 17 CCR §93115.10(e)(1)).	Provide the District and the CPM the specification of the hour timer.	At least 30 days prior to the installation of the engine	7/16/12	EPC			5/17/12	6/16/12		
				AQ-46	CONS	Each diesel fueled emergency engine unit is subject to the requirements of the Federal National Source Performance Standards (NSPS) for Stationary Compression Ignition Internal Combustion Engines (40 CFR Part 60 Subpart IIII).	Submit the engine specifications for District and CEC review and approval demonstrating that the engines meet NSPS emission limit requirements at the time of engine purchase.	At least 30 days prior to purchasing the engines	3/22/11	EPC			TBD	TBD		
				AQ-47	CONS	The four 300 hp emergency IC engines, each driving a fire suppression water pump, shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.	Make the site available for inspection of equipment and records by representatives of the District, ARB, and CEC.	As required	As required	EPC		As required	As required			
				AQ-48	CONS	The four emergency IC engines units shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15 ppm) on a weight per weight basis per CARB Diesel or equivalent requirements.	Make the site available for inspection of equipment and fuel purchase records by representatives of the District, ARB, and CEC.	As required	As required	EPC		As required	As required			
				AQ-49	CONS	A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on each Tier III diesel fueled emergency generator engine to indicate elapsed engine operating time. (Title 17 CCR §93115.10(e)(1)).	Provide the District and the CPM the specification of the hour timer.	At least 30 days prior to the installation of the engine	7/16/12	EPC			5/17/12	6/16/12		

EW	1a	1b	2	Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Resp. Party	Support Entity	Internal Start Date	Date Due to SM Compliance	Date sent to CEC, CBO or agency	Status/Notes	
				AQ-50	CONS	Each unit shall be limited to use for emergency power, defined as in response to a fire or due to low fire water pressure. In addition, this unit shall be operated no more than one hour in any twenty four hour period and 50 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the one hour daily limit or 50 hour per year limit. The one hour daily and 50 hour limit can be exceeded when the emergency fire pump assembly is driven directly by a stationary diesel fueled CI engine operated per and in accord with the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems," 1998 edition. This requirement includes usage during emergencies. (Title 17 CCR 24152.01)	Make the site available for inspection of equipment and records by representatives of the District, ARB, and CEC.	As required	As required	EPC			As required	As required		
				AQ-51	CONS	This facility shall not perform testing of more than one internal combustion engine at any one time and no more than two internal combustion engines in any twenty four hour period.	Make the site available for inspection of records and equipment by representatives of the District, ARB, and the Energy Commission.	As required	As required	EPC		As required	As required			
				AQ-54	CONS	The emergency IC engine units are subject to the requirements of the Federal National Source Performance Standards (NSPS) for Stationary Compression Ignition Internal Combustion Engines (40 CFR Part 60 Subpart III).	Submit the engine specifications for review and approval demonstrating that the engines meet NSPS and ARB ATCM emission limit requirements at the time of engine purchase.	At least 30 days prior to purchasing the engines	3/22/11	EPC		TBD	TBD			
				AQ-55	CONS	One above ground gasoline storage tank: The toll-free telephone number that must be posted for the above-ground storage tank fuel receiving and dispensing equipment is 1-800-635-4617.	Make the site available for inspection of equipment and records by representatives of the District, ARB, and the CEC.	As required	As required	EPC			As required	As required		
				AQ-56	CONS	Maintain a log of all inspections, repairs, and maintenance on above ground gasoline storage tank and fuel receiving and dispensing equipment subject to Rule 461. Such logs or records shall be maintained at the facility for at least two (2) years and available to the District upon request. Records of Maintenance, Tests, Inspections, and Test Failures shall be maintained and available to District personnel upon request; record form shall be similar to the Maintenance Record form indicated in EO VR-401-B, Figure 2N. [Note: ATC issued on 10-19-10 references updated order applicable to gasoline tanks--new order # EO VR-401-B is shown in this matrix.]	Make the site available for inspection of equipment and fuel purchase records by representatives of the District, ARB, and the CEC.	As required	As required	EPC			As required	As required		
				AQ-57	CONS	Any modifications or changes to the piping or control fitting of the vapor recovery system for the above ground gasoline storage tank and fuel receiving and dispensing equipment require prior approval from the District.	Make the site available for inspection of equipment and fuel purchase records by representatives of the District, ARB, and the CEC.	As required	As required	EPC			As required	As required		
				AQ-58	CONS	Pursuant to EO VR-401-B, vapor vent pipes are to be equipped with Husky 5885 pressure relief valves or as otherwise allowed by EO.	Make the site available for inspection of equipment and fuel purchase records by representatives of the District, ARB, and the CEC.	As required	As required	EPC			As required	As required		
				AQ-60a	CONS	Pursuant to California Health and Safety Code sections 39600, 39601 and 41954, this aboveground tank shall be installed and maintained in accordance with Executive Order (EO) VR-401-A for EVR Phase I, and Standing Loss requirements. <a href="http://www.arb.ca.gov/vapor/eos/eo-vr401/eo-vr401a/eo-401a.pdf">http://www.arb.ca.gov/vapor/eos/eo-vr401/eo-vr401a/eo-401a.pdf</a>	Make the site available for inspection of equipment and records by representatives of the District, ARB, and the CEC.	As required	As required	EPC			As required	As required		
				AQ-60b	CONS	Phase II Vapor Recovery System shall be installed and maintained per G-70-116-F with the exception that hanging hardware shall be EVR Balance Phase II type hanging hardware (VST or other CARB Approved EVR Phase II Hardware).	Make the site available for inspection of equipment and records by representatives of the District, ARB, and the CEC.	As required	As required	EPC			As required	As required		
				AQ-63	CONS	The annual throughput of gasoline shall not exceed 600,000 gallons per year. Throughput Records shall be kept on site and available to District personnel upon request. Before this annual throughput can be increased the facility may be required to submit to the District a site specific Health Risk Assessment in accordance with a District approved plan. In addition, public notice and/or comment period may be required.	Provide gasoline throughput records to demonstrate compliance with this condition in the ACR.	Include In ACR	1/31/14	Owner & EPC		12/2/13	1/1/14			
				AQ-64	CONS	Install, maintain, and operate EVR Phase I in compliance with CARB Executive Order VR-401-A, and Phase II vapor recovery in accordance with G-70-116-F. In the event of conflict between these permit conditions and/or the referenced EO's the more stringent requirements shall govern.	Make the site available for inspection of equipment and records by representatives of the District, ARB, and the CEC.	As required	As required	EPC			As required	As required		
				AQ-SC01b	CONS	The AQCM shall not be terminated without written consent of the CPM.	Inform the CEC CPM prior to termination or replacement of the AQCM.	As required	As required	EPC	Owner					
				AQ-SC03	CONS	Construction Fugitive Dust Control: The AQCM shall submit documentation in each MCR that demonstrates compliance with the AQCM mitigation measures for the purposes of minimizing fugitive dust emission creation from construction activities and preventing all fugitive dust plumes that would not comply with the performance standards identified in AQ-SC4 from leaving the project site. Fugitive dust mitigation measures shall be included in the AQCM required by AQ-SC2, and any deviation from the AQCM mitigation measures shall require prior CPM notification and approval.	The AQCM shall provide the CPM a Monthly Compliance Report to include: A. A summary of all actions taken to maintain compliance with this condition; B. Copies of any complaints filed with the District in relation to project construction. C. Any other documentation deemed necessary by the CPM or AQCM to verify compliance with this condition. Such information may be provided via electronic format or disk at the project owner's discretion.	Include in MCR	12/28/10	EPC	Owner	11/28/10	12/18/10		EPC will provide monthly report to Owner to include in MCR	
				AQ-SC04	CONS	Dust Plume Response Requirement: The AQCM or an AQCM Delegate shall monitor all construction activities for visible dust plumes. Observations of visible dust plumes that have the potential to be transported (A) off the project site and within 400 feet upwind of any regularly occupied structures not owned by the project owner or (B) 200 feet beyond the centerline of the construction of linear facilities indicate that existing mitigation measures are not resulting in effective mitigation. The AQCM shall include a section detailing how the additional mitigation measures will be accomplished within the time limits specified. The AQCM or Delegate shall implement the following procedures for additional mitigation measures in the event that such visible dust plumes are observed. The AQCM shall implement Steps 1-3 in the Condition in the event such visible dust plumes are observed.	The AQCM shall provide the CPM a Monthly Compliance Report to include: A. A summary of all actions taken to maintain compliance with this condition; B. Copies of any complaints filed with the District in relation to project construction. C. Any other documentation deemed necessary by the CPM or AQCM to verify compliance with this condition. Such information may be provided via electronic format or disk at the project owner's discretion.	Include in MCR	12/28/10	EPC	Owner	11/28/10	12/18/10			

EW	1a	1b	2	Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Resp. Party	Support Entity	Internal Start Date	Date Due to SM Compliance	Date sent to CEC, CBO or agency	Status/Notes
				AQ-SC05	CONS	Diesel-Fueled Engine Control: The AQCMM shall submit to the CPM, in the MCR, a construction mitigation report that demonstrates compliance with the AQCMP mitigation measures for purposes of controlling diesel construction-related emissions, including specific info related to items a-f in the condition and shall be included in the Air Quality Construction Mitigation Plan (AQCMP) required by AQ-SC2. Any deviation from the AQCMP mitigation measures shall require prior and CPM notification and approval.	The AQCMM shall provide the CPM a Monthly Compliance Report to demonstrate control of diesel construction related emissions: A. A summary of all actions taken to control diesel construction related emissions; B. A list of all heavy equipment used on site during that month, including the owner of that equipment and a letter from each owner indicating that equipment has been properly maintained; and C. Any other documentation deemed necessary by the CPM or AQCMM to verify compliance with this condition. Such information may be provided via electronic format or disk at the project owner's discretion.	Include in MCR	12/28/10	Owner		11/28/10	12/18/10		
				AQ-SC07a	CONS	Provide a site Operations Dust Control Plan, including all applicable fugitive dust control measures identified in the verification of AQSC3 that would be applicable to minimizing fugitive dust emission creation from operation and maintenance activities and preventing all fugitive dust plumes that would not comply with the performance standards identified in AQ-SC4 from leaving the project site. See items A and B in the condition as well as specific information regarding stabilizers.	Submit to the CPM for review and approval a copy of the site Operations Dust Control Plan that identifies the dust and erosion control procedures, including effectiveness and environmental data for the proposed soil stabilizer, that will be used during operation of the project and that identifies all locations of the speed limit signs.	At least 30 days prior to the start of commercial operation	9/30/13	Owner		8/1/13	8/31/13		
				AQ-SC07b	CONS	Provide a report identifying the locations of all speed limit signs, and a copy of the project employee and contractor training manual that clearly identifies that project employees and contractors are required to comply with the dust and erosion control procedures and on-site speed limits.	Provide the report to the CPM.	Within 60 days after commercial operation	12/29/13	Owner		10/30/13	11/29/13		
				AQ-SC-08a	CONS	Provide the CPM copies of all District issued Authority-to-Construct (ATC) and Permit-to-Operate (PTO) documents for the facility. Submit to the CPM for review and approval any modification proposed by the project Owner to any project federal air permit. Submit to the CPM any modification to any permit proposed by the District or U.S. Environmental Protection Agency (U.S. EPA), and any revised permit issued by the District or U.S. EPA, for the project.	Submit any ATC, PTO, and proposed air permit modifications to the CPM either by 1) the project owner to an agency, or 2) receipt of proposed modifications from an agency.	Within 5 working days of its submittal	As required	Owner		As required	As required	11/19/10 2010-145	Approved by CEC
				AQ-SC-08b	CONS	Owner shall submit all modified ATC/PTO documents and all federal air permits to the CPM.	Submit required documentation to the CPM.	within 15 days of receipt	As required	Owner		As required	As required		
AR	AR	AR	AR	BIO-01b	CONS	If a DB needs to be replaced, the specified information of the proposed replacement must be submitted to the CPM. In an emergency, the Project owner shall immediately notify the CPM to discuss the qualifications and approval of a short-term replacement while a permanent DB is proposed to the CPM and for consideration.	Submit the required information to the CPM.	At least 10 working days prior to the termination or release of the preceding DB	As required	AECOM		As required	As required		
O	O	O	O	BIO-02a	CONS	DESIGNATED BIOLOGIST DUTIES: Ensure that the DB performs the specific duties set forth in the condition (see items 1-10) during any site mobilization activities, construction related ground disturbance, grading, boring or trenching activities. The DB may be assisted by the approved BM's but remains the contact for the project owner and the CPM.	DB shall provide copies of all written reports and summaries that document biological resources compliance activities in the MCRs submitted to the CPM.	Include in MCR	12/28/10	AECOM		11/28/10	12/18/10		
AR	AR	AR	AR	BIO-03b	CONS	If additional BMs are needed during construction the specified information shall be submitted to CPM.	Submit the Information to the CPM for review and approval.	At least 10 days prior to their first day of monitoring activities	As required	AECOM		As required	As required		
O	O	O	O	BIO-04a	CONS	BIOLOGICAL MONITOR DUTIES: The BMs shall assist the DB in conducting surveys and in monitoring of site mobilization activities, construction-related ground disturbance, grading, boring or trenching. The DB shall remain the contact for the Project owner and CPM.	The DB shall submit in the MCR to the CPM and copies of all written reports and summaries that document biological resources compliance activities, including those conducted by BMs. If actions may affect biological resources during operation a BM, under the supervision of the DB, shall be available for monitoring and reporting.	Include in MCR	12/28/10	AECOM		11/28/10	12/18/10		
O	O	O	O	BIO-05	CONS	DB AND BM AUTHORITY: The construction/operation manager shall act on the advice of the DB and BM(s) to ensure conformance with the biological resources conditions of certification. The Project owner shall provide Energy Commission staff with reasonable access to the Project site under the control of the Project owner and shall otherwise fully cooperate with the Energy Commission's efforts to verify the Project owner's compliance with, or the effectiveness of, mitigation measures set forth in the conditions of certification. The DB shall have the authority to immediately stop any activity that is not in compliance with these conditions and/or order any reasonable measure to avoid take of an individual of a listed species. If required by the DB and BM(s) the Project owner's construction/operation manager shall halt all site mobilization, ground disturbance, grading, boring, trenching and operation activities in areas specified by the DB. The DB's shall: 1. Require a halt to all activities in any area when determined that there would be an unauthorized adverse impact to biological resources if the activities continued; 2. Inform the Project owner and the construction/operation manager when to resume activities; and 3. Notify the CPM and if there is a halt of any activities and advise them of any corrective actions that have been taken or would be instituted as a result of the work stoppage. If the	Ensure that the Designated Biologist or Biological Monitor notifies the CPM immediately (and no later than the morning following the incident, or Monday morning in the case of a weekend) of any non-compliance or a halt of any site mobilization, ground disturbance, grading, construction, and operation activities. If the non-compliance or halt to construction or operation relates to desert tortoise or any other federal or state-listed species, the Project owner shall notify the Carisbad Office of USFWS and Ontario Office of CDFG at the same time. The Project owner shall notify the CPM of the circumstances and actions being taken to resolve the problem. Whenever corrective action is taken by the Project owner, a determination of success or failure would be made by the CPM, in consultation with USFWS and CDFG, within five working days after receipt of notice that corrective action is completed, or the Project owner would be notified by the CPM that coordination with other agencies would require additional time before a determination can be made.	As required	As required	AECOM		As required	As required		
O	O	O	O	BIO-06c	CONS	Provide the number of persons who have completed the training in the prior month and a running total of all persons who have completed the training to date.	Include the information in the MCR. Training acknowledgement forms signed during construction shall be kept on file for at least 6 months after the start of commercial operation.	Include in MCR	12/28/10	AECOM		11/28/10	12/18/10		
AR	AR	AR	AR	BIO-07c	CONS	If any permits have not yet been received when the final BRMIMP is submitted, these permits shall be submitted to the CPM, and the BRMIMP shall be revised or supplemented to reflect the permit conditions.	Submit the permits to the CPM.	within 5 days of their receipt	As required	AECOM		As required	As required		
O	O	O	O	BIO-07d	CONS	Implementation of the BRMIMP measures shall be reported in the MCR.	Include the required information in the MCR.	Include in MCR	12/28/10	AECOM		10/29/10	11/28/10		

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O	O	O	O	BIO-08a(1)	CONS	IMPACT AVOIDANCE & MINIMIZATION MEASURES: Undertake the following mitigation measures (see Items 1-17 of the condition) to manage the Project site and related facilities in a manner to avoid or minimize impacts to biological resources: 1) Limit Disturbance Areas; 2) Minimize Road Impacts; 3) Minimize Traffic Impacts; 4) Monitor During Construction; 5) Minimize Impacts of T-Line/Pipeline Alignments, Roads, Staging Areas; 6) Avoid Use of Toxic Substances; 7) Minimize Lighting Impacts; 8) Minimize Noise Impacts; 9) Avoid Vehicle Impacts to Desert Tortoise; 10) Avoid Wildlife Pitfalls; 11) Minimize Standing Water; 12) Dispose of Road-killed Animals; 13) Minimize Spills of HazMat; 14) Worker Guidelines; 15) Implement Erosion Control Measures; 16) Monitor Ground Disturbing Activities Prior to Pre-Construction Site Mobilization; and 17) Revegetation of Temporarily Disturbed Areas. [SEE FINAL DECISION FOR MODIFIED LANGUAGE RELATED TO #9, 10, 12]	Implementation of the mitigation measures shall be reported in the MCR by the DB. <b>CLARIFICATION PROVIDED BY USFWS IN BIOLOGICAL OPINION, PAGE 9:</b> These measures will also be implemented during all ground-disturbing construction and O&M activities.	Include in MCR	12/28/10	AECOM		10/29/10	11/28/10		
AR	AR	AR	AR	BIO-08e	CONS	If loud construction activities are proposed between February 15 to April 15 which would result in noise levels over 65 dBA in nesting habitat, the Project owner shall submit nest survey results (as described in Item 8a within the Condition) to the CPM.	Submit the next survey results to the CPM	no more than 7 days before initiating such construction	As required	AECOM		As required	As required		
AR	AR	AR	AR	BIO-08f	CONS	If an active nest is detected within this survey area the Project owner shall submit a Nesting Bird Monitoring and Management Plan to the CPM.	Submit the plan to the CEC CPM for review and approval.	no more than 7 days before initiating noisy construction	As required	AECOM		As required	As required		
AR	AR	AR	AR	BIO-09a	CONS	DT CLEARANCE SURVEYS AND FENCING: Undertake appropriate measures to manage the Project site and related facilities in a manner to avoid or minimize impacts to desert tortoise. Methods for clearance surveys, fence specification and installation, tortoise handling, artificial burrow construction, egg handling and other procedures shall be consistent with those described in the USFWS' Desert Tortoise Field Manual (USFWS 2009) or more current guidance provided by CDFG and USFWS. Measures 1-4 (Exclusion Fencing Installation, Clearance Surveys, Monitoring, and Reporting) need to be implemented. [CAUTION: READER SHOULD REFER DIRECTLY TO CEC FINAL DECISION FOR DETAILS OF ALL REQUIREMENTS RELATED TO DT CLEARANCE SURVEYS AND FENCING. THEY ARE TOO NUMEROUS AND DETAILED TO PROVIDE ANYTHING OTHER THAN A SUMMARY HERE IN THIS MATRIX.]	All mitigation measures and their implementation methods shall be included in the BRMIMP and implemented. Implementation of the measures shall be reported in the MCR by the DB. <b>CLARIFICATION PROVIDED BY USFWS IN BIOLOGICAL OPINION, PAGE 9:</b> These procedures for conducting tortoise clearance surveys, handling and moving tortoises out of the disturbance area, and ensuring tortoises do not re-enter the disturbance area will also be implemented during O&M activities along the access road/utility corridor, gen-tie transmission line ROW, and rerouted drainage channels outside of the plant site, and along the outer side of the perimeter security fence.	Include in MCR	12/28/10	AECOM	EPC	11/28/10	12/18/10		
AR	AR	AR	AR	BIO-09b	CONS	Submit a report describing implementation of each of the mitigation measures listed in the condition. The report shall include the desert tortoise survey results, capture and release locations of any relocated desert tortoises, and any other information needed to demonstrate compliance with the measures described in the condition.	Provide the report to the CPM, BLM, AD, USFWS and CDFG.	Within 30 days after completion of desert tortoise clearance surveys	12/31/10	AECOM		6/1/10	12/1/10		
		X	X	BIO-10a	CONS	DT RELOCATION/TRANSLOCATION PLAN: Develop and implement a final Desert Tortoise Relo/Translo Plan that is consistent with current USFWS approved guidelines, and meets the approval of the CPM. The Plan shall include guidance specific to each of the three phases of Project construction, as described in BIO-28 (Phasing), and shall include measures to minimize the potential for repeated translocations of individual desert tortoises. The goals of the Desert Tortoise Relocation/Translocation Plan shall be to relocate or translocate all desert tortoises from the Project site to nearby suitable habitat; minimize impacts on resident desert tortoises outside the Project site; minimize stress, disturbance, and injuries to relocated/translocated tortoises; and assess the success of the relocation/translocation effort through monitoring. The final Plan shall be based on the draft Desert Tortoise Relo/ Translo Plan prepared by the Applicant and shall include all revisions deemed necessary by BLM, USFWS, CDFG and CEC staff.	Provide the CPM with the final version of a Desert Tortoise Relocation/Translocation Plan that has been reviewed and approved by the CPM. In consultation with BLM, USFWS and CDFG. All modifications to the approved Plan shall be made only after approval by the CPM. In consultation with the BLM, USFWS and CDFG. <b>CLARIFICATION PROVIDED BY USFWS IN BIOLOGICAL OPINION, PAGE 9:</b> The final Desert Tortoise Relocation/Translocation Plan will incorporate the Service's desert tortoise translocation guidance (Service 2010b) and subsequent project-specific guidance, as appropriate for the BSPP project, and must be approved by the Service prior to the initiation of any ground-disturbing construction activities associated with Phases 1b or 2 or prior to translocation of any desert tortoises found in Phase 1a, whichever occurs first.	Prior to initiation of any ground disturbing activities for Phase 1b or 2	5/2/11	AECOM		9/15/10	11/15/10	10/01/10 2010-057 10/22/2010 submitted DB letter re: status of final plan	Pending CEC approval **Per Mary, Tannika agrees to shift to a phase 1b approval
AR	AR	AR	AR	BIO-11a(1)	CONS	DT COMPLIANCE VERIFICATION: Provide CEC, CDFG, USFWS, and BLM staff with reasonable access to the Project site and compensation lands under the control of the Project owner and shall otherwise fully cooperate with the CEC and BLM's efforts to verify the Project owner's compliance with, or the effectiveness of, mitigation measures set forth in the condition.	Provide access as requested.	As required	As required	Owner		As required	As required		
AR	AR	AR	AR	BIO-11a(3)	CONS	Notify the CPM in writing if the Project owner is not in compliance with any conditions of certification, including but not limited to any actual or anticipated failure to implement mitigation measures within the time periods specified in the conditions of certification.	The DB shall perform this activity.	Immediately as required	As required	AECOM		As required	As required		
AR	AR	AR	AR	BIO-11a(4)	CONS	Remain onsite daily while vegetation salvage, grubbing, grading and other ground-disturbance construction activities are taking place to avoid or minimize take of listed species and verify personally or use Biological Monitors to check for compliance with all impact avoidance and minimization measures, including checking all exclusion zones to ensure that signs, stakes, and fencing are intact and that human activities are restricted in these protective zones.	The DB shall perform this activity.	Daily during noted activities	As required	AECOM		As required	As required		
AR	AR	AR	AR	BIO-11a(5)	CONS	Conduct compliance inspections at a minimum of once per month after clearing, grubbing, and grading are completed and submit a monthly compliance report to the BLM, CPM, USFWS and CDFG during construction.	The DB shall perform this activity.	Include in MCR	12/28/10	AECOM		11/28/10	12/18/10		

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AR	AR	AR	AR	BIO-11a(6)	CONS	If an injured or dead listed species is detected within or near the Project Disturbance area, the CPM, the Ontario Office of CDFG, and Carlsbad Office of USFWS shall be notified immediately by phone. Notification shall occur no later than noon on the business day following the event if it occurs outside normal business hours so that the agencies can determine if further actions are required to protect listed species. Written follow-up notification via FAX or electronic communication shall be submitted to these agencies within two calendar days of the incident and include the information set forth in Items (a) and (b) regarding injured or dead DT, as relevant.	The DB shall perform this activity.	Immediately as required	As required	AECOM		As required	As required		
O	O	O	O	BIO-11a(7)	CONS	The CPM may issue the Project owner a written stop work order to suspend any activity related to the construction or operation of the Project to prevent or remedy a violation of one or more conditions of certification (including but not limited to failure to comply with reporting, monitoring, or habitat acquisition obligations) or to prevent the illegal take of an endangered, threatened, or candidate species. The Project owner shall comply with the stop work order immediately upon receipt thereof.	The DB shall perform this activity.	As required	As required	AECOM		As required	As required		
O	O	O	O	BIO-11b	CONS	Deliver via FAX or electronic communication the written report from the DB describing all reported incidents of injury, kill, or relocation of a listed species, identifying who was notified, and explaining when the incidents occurred. In the case of a sighting in an active construction area, at the same time, submit a map (e.g., using GIS) depicting both the limits of construction and sighting location to the CPM, CDFG and USFWS.	Provide the required documentation to the CEC, CDFG and USFWS.	No later than 2 days following the required notification of a sighting, kill, or relocation of a listed species	As required	AECOM		As required	As required		
X	X	X		BIO-12a	CONS	NET COMPENSATORY MITIGATION: To fully mitigate for habitat loss and potential take of desert tortoise, the project owner shall provide compensatory mitigation at a 1:1 ratio for Impacts to 6,958 acres, adjusted to reflect the final project footprint. For purposes of this Condition, the project footprint means all lands disturbed in the construction and operation of the Blythe Project, including all linears, as well as undeveloped areas inside the project's boundaries that will no longer provide viable long-term habitat for the desert tortoise. To satisfy this Condition, the project owner shall acquire, protect and transfer 1 acre of desert tortoise habitat for every acre of habitat within the final project footprint, and provide associated funding for the acquired lands, as specified below. Condition BIO-27 may provide the project owner with another option for satisfying some or all of the requirements in this Condition.	The timing of the mitigation shall correspond with the timing of the site disturbance activities as stated in BIO-28 (phasing).	No later than 30 days prior to beginning project ground-disturbing activities	10/23/10	Owner		7/25/10	9/23/10		
X	X	X		BIO-12b	CONS	If compensation lands are acquired in fee title or in easement, the requirements for acquisition/selection of compensation land shall follow the specific requirements set forth in Condition BIO-12, Items 1 (a-h).	Approval from the CPM and CDFG, in consultation with BLM and the USFWS, shall be required for acquisition of all parcels comprising the compensation lands.	TBD	TBD	Owner		#VALUE!	#VALUE!		
X	X	X		BIO-12c	CONS	If compensation lands are acquired, the Project owner shall submit a formal acquisition proposal to the CPM, CDFG, USFWS, and BLM describing the parcel(s) intended for purchase. This acquisition proposal shall discuss the suitability of the proposed parcel(s) as compensation lands for desert tortoise in relation to the criteria set forth in BIO-12 (1)(a)-(h).	Approval from the CPM and CDFG, in consultation with BLM and the USFWS, shall be required for acquisition of all parcels comprising the compensation lands.	TBD	TBD	Owner		#VALUE!	#VALUE!		
X	X	X		BIO-12d	CONS	In lieu of acquiring lands itself, the project owner may satisfy the requirements of this Condition by depositing funds into the Renewable Energy Action Team (REAT) Account established with the National Fish and Wildlife Foundation (NFWF), as provided below in section 3.i. of this Condition. The Project owner may elect to fund the acquisition and initial improvement of compensation lands through NFWF by depositing funds for that purpose into NFWF's REAT Account. If the mitigation actions required under this condition are not completed prior to the start of ground-disturbing activities, the Project owner shall provide the CPM and CDFG, with copies to BLM, and USFWS with an approved form of Security no later than 30 days prior to beginning Project ground-disturbing activities.	Initial deposits for this purpose, which includes a NFWF administrative fee, must be made in the amounts of \$2,465,611 for Phase 1a; \$9,481,161 for Phase 1b; and \$10,105,186 for Phase 2.	At least 30 days prior to the start of ground-disturbing activities for each phase	11/1/10	Owner		8/3/10	10/2/10		
	X	X		BIO-12e(3)	CONS	The Project Owner shall provide the CPM and CDFG with an approved form of Security for Phase 1B and 2.		At least 30 days prior to the start of ground-disturbing activities	5/2/11	Owner		2/1/11	4/2/11		
	X	X		BIO-12e(4)	CONS	The project owner shall provide actual Security for Phase 1B and 2.	Actual Security shall be provided no later than 7 days prior to the beginning of Project ground-disturbing activities.	No more than 7 days prior to ground disturbing activities	5/25/11	Owner		2/24/11	4/25/11		
	X	X		BIO-12f	CONS	If Security is provided, the Project owner, or an approved third party, shall complete and provide written verification of the compensation lands acquisition and transfer.	Provide the required written verification to the CPM, CDFG, BLM and USFWS.	within 18 months of the start of Project ground-disturbing activities	5/15/12	Owner		2/15/12	4/15/12		
	X	X		BIO-12g	CONS	The Project owner may elect to fund the acquisition and initial improvement of compensation lands through NFWF or other approved third party by depositing funds for that purpose into NFWF's REAT Account.	In accordance with BIO-28 (phasing), the Project owner shall deposit in NFWF's REAT Account a non-wasting capital long-term maintenance and management fee in the amount determined through the Property Analysis Record (PAR) or PAR-like analysis conducted for the compensation lands.	Prior to the start of ground-disturbing activities for Phase 1B (if needed?)	4/2/11	Owner		1/2/11	3/3/11		
	X	X		BIO-12h	CONS	Project owner shall submit a formal acquisition proposal to the CPM, CDFG, USFWS, and BLM describing the parcels intended for purchase.	Submit the required documentation to the CPM, BLM, USFWS and CDFG. Prior to the acquisition, obtain approval from CPM, and CDFG	No fewer than 90 days prior to acquisition of the property	2/11/11	AECOM		11/13/10	1/12/11		

EW	1a	1b	2	Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submital Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Resp. Party	Support Entity	Internal Start Date	Date Due to SM Compliance	Date sent to CEC, CBO or agency	Status/Notes
		X	X	BIO-12i	CONS	The Project owner, or an approved third party, shall provide the CPM, CDFG, BLM and USFWS with a management plan for the compensation lands for review and approval.	Submit the required documentation to the CPM, CDFG, BLM, and USFWS for review and approval by CPM in consultation with CDFG, BLM, and USFWS	Within 180 days of the land or easement purchase, as determined by the date on the title	Need date	AECOM		#VALUE!	#VALUE!		
		X	X	BIO-12k	CONS	The Project Owner shall deposit the funds required by Section 3e above (long term management and maintenance fee).	Provide proof of the deposit to the CPM.	No fewer than 30 days after acquisition of the property	Need date	Owner		TBD	TBD		
			X	BIO-13b(2)	CONS	The Project owner shall also provide funding for implementation of the USFWS Regional Raven Management Program, as described in the Condition. The one time fee shall be as described in the cost allocation methodology (Exhibit 213, Renewable Energy Development And Common Raven Predation on the Desert Tortoise – Summary, dated May 2010; Cost Allocation Methodology for Implementation of the Regional Raven Management Plan, dated July 9, 2010) or more current guidance as provided by USFWS or CDFG.	Provide documentation to the CPM, BLM, CDFG, and USFWS that the one-time fee for the USFWS Regional Raven Management Program has been deposited to the REAT-NFWS subaccount for the Project. Current estimate for the fee for the USFWS Regional Raven Management Program is \$105/acre. Phase 1b disturbance is estimated to be 2,995 acres.	No less than 10 days prior to start of any Phase 1b Project-related ground disturbance activities	5/22/11	Owner		3/23/11	4/22/11		Phase 1b payment
			X	BIO-13b(3)	CONS	The Project owner shall also provide funding for implementation of the USFWS Regional Raven Management Program, as described in the Condition. The one time fee shall be as described in the cost allocation methodology (Exhibit 213, Renewable Energy Development And Common Raven Predation on the Desert Tortoise – Summary, dated May 2010; Cost Allocation Methodology for Implementation of the Regional Raven Management Plan, dated July 9, 2010) or more current guidance as provided by USFWS or CDFG.	Provide documentation to the CPM, BLM, CDFG, and USFWS that the one-time fee for the USFWS Regional Raven Management Program has been deposited to the REAT-NFWS subaccount for the Project. Current estimate for the fee for the USFWS Regional Raven Management Program is \$105/acre. Phase 2 disturbance is estimated to be 3,193 acres.	No less than 10 days prior to start of any Project-related ground disturbance activities	2/19/14	Owner		12/21/13	1/20/14		Phase 2 payment
X				BIO-14a(3)	CONS	The WMP submitted by the Applicant shall provide the basis for the final plan, subject to review and revisions from the CPM.	Provide the CPM with the final version of a WMP that has been reviewed and approved by BLM, CEC, USFWS, and CDFG. Modifications to the approved WMP shall be made only after consultation with the CEC staff, BLM, USFWS, and CDFG.	No less than 10 days prior to start of any Project-related ground disturbance activities	11/12/10	AECOM	EPC	8/14/10	10/13/10		EPC will implement the WMP as prepared by AECOM
		X	X	BIO-16b	CONS	Conduct PRE-CONSTRUCTION NEST SURVEYS for Phase 1b and 2 if construction activities would occur from February 1 through July 31. (See similar instructions as set forth in BIO-16a).	Provide the CPM a letter-report describing the findings of the pre-construction nest surveys, including the time, date, and duration of the survey; identity and qualifications of the surveyor (s); and a list of species observed. If active nests are detected during the survey, the report shall include a map or aerial photo identifying the location of the nest and shall depict the boundaries of the no-disturbance buffer zone around the nest(s) that would be avoided during project construction. Include the survey information in the requested report.	At least 10 days prior to start of any Project-related ground disturbance activities	5/2/11	AECOM		3/3/11	4/2/11		
X	X	X		BIO-17	CONS	BADGER/KIT FOX IMPACT AVOIDANCE & MINIMIZATION MEASURES: To avoid direct impacts to American badgers and desert kit fox, preconstruction surveys shall be conducted for these species concurrent with the desert tortoise surveys. Surveys shall be conducted as described in the condition.	Submit a report to the CPM and CDFG that describes the survey methods, results, impact avoidance and minimization measures implemented, and the results of those measures.	Within 30 days of completion of badger and kit fox surveys	1/6/11	AECOM		TBD	TBD		
	X	X	X	BIO-18a	CONS	BURROWING OWL IMPACT AVOIDANCE, MINIMIZATION AND COMPENSATION MEASURES: Conduct pre-construction surveys for burrowing owls. Surveys shall be focused exclusively on detecting burrowing owls, and shall be conducted from two hours before sunset to one hour after or from one hour before to two hours after sunrise. The survey area shall include the Project Disturbance Area and surrounding 500 foot survey buffer for each phase of construction in accordance with BIO-28 (phasing).	Conduct pre-construction burrowing owl surveys.	no more than 30 days prior to initiation of construction activities	11/1/10	AECOM		9/2/10	10/2/10		
S	S	S	S	BIO-18b	CONS	If pre-construction surveys detect burrowing owls within the Project Disturbance Area and relocation of the owls is required, prepare a Burrowing Owl Mitigation Plan that addresses items 2a-d as set forth in the condition.	Submit the Burrowing Owl Mitigation Plan to the CPM, BLM AO, CDFG, and USFWS.	Within 30 days of completion of burrowing owl pre-construction surveys	5/1/11	AECOM				10/11/10 2010-076 CEC & 2010-077 to agencies	CEC APPROVED 11-3-10
		X		BIO-18c	CONS	If an active burrow is detected within 500 feet from the project disturbance area, the requirements for a non-disturbance buffer and monitoring as set forth in Item 3(a-b) of the Condition will be implemented.	The DB shall provide to the CPM documentation indicating that non-disturbance buffer fencing has been installed at least 10 days prior to the start of any Project-related site disturbance activities.	At least 10 days prior to start of any Project-related ground disturbance activities	11/12/10	AECOM		9/13/10	10/13/10		
			X	BIO-18d	CONS	The project owner shall acquire, in fee or in easement 39 acres of land suitable to support a resident population of burrowing owls and shall provide funding for the enhancement and long-term management of these compensation lands. The Criteria for Burrowing Owl Mitigation Lands set forth in the condition shall be followed. If the 39 acres of burrowing owl mitigation land is separate from the acreage required for desert tortoise compensation lands, complete acquisition of proposed compensation lands within the time period specified for this acquisition. Alternatively, financial assurance can be provided by the project owner to the CPM and CDFG, according to the measures outlined in BIO-12.	Submit a formal acquisition proposal to the CPM, BLM, CDFG, and USFWS describing the parcels intended for purchase. At the same time the project owner shall submit a PAR or PAR-like analysis for the parcels for review and approval by the CPM, BLM, CDFG and USFWS.	No less than 90 days prior to acquisition of the burrowing owl compensation lands	2/1/11	AECOM		TBD	TBD		
	X			BIO-18e(1)	CONS	Financial assurance can be provided to the CPM in the form of an Irrevocable letter of credit, a pledged savings account or another form of security ("Security"). The final amount due will be determined by an updated appraisal and PAR analysis conducted as described in BIO-12.	Provide the form of security to the CEC and CDFG for Phase-1a.	No later than 30 days prior to beginning Project ground-disturbing activities	2/28/11	Owner		11/30/10	1/29/11		Status: why not complete for Phase 1a?

EW	1a	1b	2	Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Resp. Party	Support Entity	Internal Start Date	Date Due to SM Compliance	Date sent to CEC, CBO or agency	Status/Notes
		X		BIO-18e(2)	CONS	Financial assurance can be provided to the CPM in the form of an irrevocable letter of credit, a pledged savings account or another form of security ("Security"). The final amount due will be determined by an updated appraisal and PAR analysis conducted as described in BIO-12.	Provide the form of security to the CEC and CDFG for phase 1b.	No later than 30 days prior to beginning Project ground-disturbing activities of phase-1b	5/2/11	Owner		2/1/11	4/2/11		
		X		BIO-18f(1)	CONS	Written verification of actual security		No later than 7 days prior to beginning Project ground-disturbing activities of phase-1b	3/22/11	Owner		12/22/10	2/20/11		
		X		BIO-18f(2)	CONS	Written verification of actual security		No later than 7 days prior to beginning Project ground-disturbing activities	5/25/11			2/24/11	4/25/11		
		X		BIO-18h	CONS	Provide written verification to the CPM, BLM, and CDFG that the compensation lands or conservation easements have been acquired and recorded in favor of the approved recipient.	Submit the required documentation to the CEC, BLM and CDFG.	No later than 18 months from Initiation of construction	9/22/12	Owner		6/24/12	8/23/12		
O	O	O	O	BIO-18j	CONS	Owner shall report monthly to BLM, the CPM, CDFG and USFWS for the duration of construction on the implementation of burrowing owl avoidance and minimization measures.	Provide documentation to BLM, CPM, CDFG, USFWS	Include in MCR	12/28/10	AECOM					
S	S	S	S	BIO-19a	CONS	The Project owner shall implement the measures set forth in BIO-19 to avoid, minimize, and mitigate accidental impacts to special-status plants occurring outside of the Project Disturbance Area and within 100 feet of the Project Disturbance Area during construction, operation, and closure.	Submit to the CPM for review and approval a draft Special-Status Plant Mitigation Plan	No less than 30 days prior to beginning Project ground-disturbing activities	10/23/10	AECOM		6/25/10	9/23/10	APPROVED BY CEC ON 11/01/10	APPROVED BY CEC ON 11/01/10
		X	X	BIO-19a	CONS	The Project owner shall implement the measures set forth in BIO-19 to avoid, minimize, and mitigate accidental impacts to special-status plants occurring outside of the Project Disturbance Area and within 100 feet of the Project Disturbance Area during construction, operation, and closure.	Submit to the CPM for review and approval a draft Special-Status Plant Mitigation Plan	No less than 30 days prior to beginning Project ground-disturbing activities	10/23/10	AECOM		TBD	TBD		CEC requires one more late season survey for PHASE 1B
S	X	X	X	BIO-19c	CONS	Designate spoil areas; equipment, vehicle, and materials storage areas; parking; equipment and vehicle maintenance areas, and; wash areas at least 100 feet from any preserved occurrence or washes upstream of an occurrence.	During construction	As required	As required	AECOM	EPC	As required	As required		
S	X	X	X	BIO-19d(1)	CONS	Prior to the start of any ground- or vegetation-disturbing activities, the Designated Botanist shall establish ESAs to protect avoided special-status plants that occur outside of the Project Disturbance Areas and within 100 feet of Project Disturbance Areas.	DB shall establish ESA's	First day of ground disturbance	11/22/10	AECOM		8/3/10	9/2/10		
O	O	O	O	BIO-19d(2)	CONS	The Designated Botanist shall conduct weekly monitoring of the ESA's that protect special-status plant occurrences during construction, and decommissioning activities.	Include information in MCR.	Weekly during construction	As required	AECOM		As required	As required		
S	S	S	S	BIO-19e	CONS	Conduct pre-construction collection of seed (or other propagules) of the affected special-status plants within the Project Disturbance Area	Conduct the collection according to the seed collection and storage guidelines contained in (Wall 2009a; Bainbridge 2007) as set forth in the condition.	in the summer-fall season prior to the start of construction	5/2/11	AECOM		7/30/10	6/30/10		
S	S	S	S	BIO-19f(1)	CONS	Conduct late-summer/fall botanical surveys as described in the condition for Phase 1b.	Progress Reports shall be submitted during surveys and shall include the info specified in the condition.	No less than 30 days prior to the start of ground-disturbing activities	5/2/11	AECOM		1/2/11	4/2/11		
		X	X	BIO-19f(2)	CONS	Owner shall submit grading plans and construction drawings to the CPM which depict the location of Environmentally Sensitive Areas and the Avoidance and Minimization Measures contained in Section A of this Condition.	Submit grading plans and construction drawings to CPM for Phase 1b.	No less than 30 days prior to the start of ground-disturbing activities of phase-1b	5/2/11	EPC	AECOM	3/3/11	4/2/11		Phase-1b
AR	AR	AR	AR	BIO-19j	CONS	Owner shall immediately provide written notification to the CPM, CDFG, USFWS, and BLM if it detects a State- or Federal-Listed Species, or BLM Sensitive Species at any time during its late summer/fall botanical surveys or at any time thereafter through the life of the Project, including conclusion of Project decommissioning.	Submit the required documentation to the CPM, CDFG, BLM, and USFWS	Immediately as required	As required	AECOM		TBD	TBD		
		X	X	BIO-19k(1)	CONS	If compensatory mitigation is required, owner shall submit to the CPM the form of Security adequate to acquire compensatory mitigation lands and/or undertake habitat enhancement or restoration activities, as described in this condition. Actual Security shall be provided 7 days prior to start of ground-disturbing activities.	Provide form security to CPM.	no less than 30 days prior to the start of ground-disturbing activities	11/1/10	Owner		9/2/10	10/2/10		
		X	X	BIO-19k(2)a	CONS	Provide form of security for each phase.	Provide required documentation.	7 days prior to the start of ground-disturbing activities	11/15/10	Owner		9/16/10	10/16/10		
		X	X	BIO-19k(2)b	CONS	Provide Actual Security to CPM for each phase.	Provide required documentation.	7 days prior to the start of ground-disturbing activities of Phase-1b	5/25/11	Owner		3/26/11	4/25/11		Phase-1b
		X	X	BIO-19l	CONS	Owner shall submit a formal acquisition proposal and draft Management Plan for the proposed lands to the CPM, with copies to CDFG, USFWS, and BLM, describing the parcels intended for purchase and shall obtain approval from the CPM prior to the acquisition. REFER TO CONDITION FOR ALL THE REQUIRED ELEMENTS FOR compensation land documentation.	Submit proposal and mgmt plan to CPM, CDFG, USFWS, BLM. Obtain approval prior to acquisition.	No fewer than 90 days prior to acquisition of compensatory mitigation lands	TBD	Owner		#VALUE!	#VALUE!		

EW	1a	1b	2	Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Resp. Party	Support Entity	Internal Start Date	Date Due to SM Compliance	Date sent to CEC, CBO or agency	Status/Notes
		X	X	BIO-19m(1)	CONS	Owner shall submit to the CPM and obtain CPM approval of any agreements to delegate land acquisition to an approved third party, or to manage compensation lands.	Submit documentation to CPM and obtain approval.	No fewer than 90 days prior to acquisition of compensatory mitigation lands	TBD	AECOM		#VALUE!	#VALUE!		
		X	X	BIO-19m(2)	CONS	Owner shall deposit the funds required by Section 1 e (refer to condition) (long term management and maintenance fee) and provide proof of the deposit to the CPM.	Provide proof of payment to CPM.	No fewer than 30 days after acquisition of the property	TBD	Owner		#VALUE!	#VALUE!		
		X	X	BIO-19n	CONS	Owner or an approved third party shall complete the acquisition and all required transfers of the compensation lands, and provide written verification to the CPM. If security is provided, the Project owner shall provide written verification that the Project owner's compensatory mitigation obligations have been fulfilled within 18 months of the start of Project ground-disturbing activities.	Submit the required documentation to the CPM.	No later than 18 months after the start of project ground-disturbing activities	5/15/12	Owner		3/16/12	4/15/12		
		X	X	BIO-19o	CONS	If NFWF or another approved third party is being used for the acquisition, the Project owner shall ensure that funds needed to accomplish the acquisition are transferred in timely manner to facilitate the planned acquisition and to ensure the land can be acquired and transferred. If the Project owner elects to acquire the compensation lands, the Project owner shall provide written verification to the CPM that the compensation lands or conservation easements have been acquired and recorded in favor of the approved recipient no later than 18 months from the start of project ground-disturbing activities.	Make sure funds transferred in a timely manner.	Prior to the 18-month deadline.	5/15/12	Owner		3/16/12	4/15/12		
		X	X	BIO-19p	CONS	Agreements to delegate land acquisition to an approved third party, or to manage compensation lands, or to implement an enhancement option shall be executed and implemented.		within 18 months of ground disturbance	5/15/12	Owner		TBD	TBD		
		X	X	BIO-19q	CONS	Provide the CPM with a management plan for the compensation lands and associated funds. The CPM shall review and approve the management plan in consultation with CDFG and (if applicable) the USFWS.	Submit the required documentation to the CPM.	within 180 days of the land or easement purchase, as determined by the date on the title	TBD	Owner		#VALUE!	#VALUE!		
		X	X	BIO-19r(1)	CONS	Enhancement restoration activities shall be initiated no later than 12 months from the start of construction.	If enhancement restoration option is selected implement within time frame specified.	No later than 12 months from the start of construction	3/31/12	Owner	AECOM	1/31/12	3/1/12		
		X	X	BIO-19r(2)	CONS	If habitat enhancement is proposed, owner shall obtain CPM approval of the final Habitat Enhancement/Restoration Plan, prepared in accordance with Section D, and submit to the CPM or a third party approved by the CPM Security adequate for long-term implementation and monitoring of the Habitat Enhancement/Restoration Plan.	obtain CPM approval of the final Habitat Enhancement Restoration Plan and submit to CPM or 3rd party.	no later than six months following the start of ground-disturbing activities	5/21/11	Owner		3/22/11	4/21/11		
		X	X	BIO-19r(3)	CONS	If a Distribution Study is implemented as contingency mitigation, the study shall be initiated no later than 6 months from the start of construction. The implementation phase of the study shall be completed within two years of the start of construction.	Confirm implementation completed within 2 years of the start of construction.	Initiated no later than 6 months from the start of construction.	9/28/11	Owner		7/30/11	8/29/11		
		X	X	BIO-19s	CONS	Implementation of the special-status plant impact avoidance and minimization measures shall be reported in the Monthly Compliance Reports prepared by the Designated Botanist.	Submit the required reports to the CPM as part of the MCR.	Include in MCR	12/28/10	AECOM		10/29/10	11/28/10		
		X	X	BIO-19x	CONS	Owner shall transfer to the CPM or an approved third party the difference between the Security paid and the actual costs of (1) acquiring compensatory mitigation lands, completing initial protection and habitat improvement, and funding the long-term maintenance and management of compensatory mitigation lands; and/or (2) implementing and providing for the long-term protection and monitoring of habitat enhancement or restoration activities.	Transfer the funds per condition requirement.	Within 18 months of ground-disturbing activities	5/15/12	Owner		3/16/12	4/15/12		
		X		BIO-20a	CONS	SAND DUNE/FRINGE-TOED LIZARD MITIGATION: To mitigate for habitat loss and direct impacts to Mojave fringe-toed lizards, provide compensatory mitigation at a 3:1 ratio which may include compensation lands purchased in fee or in easement in whole or in part, for impacts to stabilized or partially stabilized desert dune habitat (58 acres or the acreage of sand dune/partially stabilized sand dune habitat impacted by the final project footprint). If compensation lands are acquired, the Project owner shall provide funding for the acquisition in fee title or easement, initial habitat improvements and long-term management endowment of the compensation lands. SEE CONDITION FOR FURTHER DETAILS IN ITEMS 1-3.	Provide written verification of approved form of Security in accordance with this condition of certification. Actual Security shall be provided no later than 7 days prior to the beginning of Project ground disturbance activities.	No later than 30 days prior to beginning project ground-disturbing activities	5/2/11	Owner		1/2/11	4/2/11		
		X		BIO-20b	CONS	The project owner, or an approved third party, shall complete and provide written verification of the proposed compensation lands acquisition.	Provide written verification of proposed compensation lands.	Within 18 months of the start of project ground-disturbing activities	5/15/12	Owner		3/16/12	4/15/12		
		X		BIO-20c	CONS	Submit a formal acquisition proposal to the CPM, BLM, CDFG and USFWS describing the parcels intended for purchase.	Submit the required documentation to the CPM for review and approval in consultation with the BLM, CDFG, and USFWS.	No less than 90 days prior to acquisition of the property	TBD	Owner		#VALUE!	#VALUE!		
		X		BIO-20d	CONS	The Project owner, or an approved third party, shall provide CPM, BLM, CDFG and USFWS with a management plan for the compensation lands and associated funds, as determined by the date on the title. The CPM shall review and approve the management plan, in consultation with CDFG and the USFWS.	Submit the required documentation to the CPM, BLM, USFWS, and CDFG.	Within 180 days of the land or easement purchase	TBD	Owner		#VALUE!	#VALUE!		
		X		BIO-20f	CONS	Provide written verification to the CPM, BLM, USFWS, and CDFG that the compensation lands or conservation easements have been acquired and recorded in favor of the approved recipient	Submit the required documentation to the CPM, BLM, USFWS, and CDFG.	No later than 18 months from a CEC Final Decision	3/8/12	Owner		1/8/12	2/7/12		

EW	1a	1b	2	Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Resp. Party	Support Entity	Internal Start Date	Date Due to SM Compliance	Date sent to CEC, CBO or agency	Status/Notes
	X			BIO-21a	CONS	To compensate for Project contributions to loss of spring foraging habitat for Nelson's bighorn sheep, the Project owner shall create a new water source for the Southern Mojave metapopulation of bighorn sheep in the McCoy Mountains or in other mountain ranges in the vicinity of the Project north of I-10. The proposed location of the water source shall be developed in consultation with the CPM, BLM, and CDFG. The Project owner shall monitor and manage the artificial or restored water source for the benefit of bighorn sheep for the life of the Project, or shall provide sufficient funding to support such monitoring and management by an approved third party.	Submit required documentation to CPM for review and approval. Note: we are going giving land.	No later than 6 months following publication of the Energy Commission Decision	3/14/11	Owner		1/13/11	2/12/11		
				BIO-21b(1)	CONS	The Project owner may elect to fund the creation of a new water source by depositing funds into a Renewable Energy Action Team (REAT) subaccount established with the NFWF. Actual costs shall be developed in consultation with the CPM, BLM, and CDFG. The Project owner shall be responsible for providing adequate funding for installation of the water source and all costs associated with that installation, as well as costs of the operation, monitoring and management of the water source for the life of the Project. The Project owner shall also provide sufficient funding for any administrative fees that NFWF may require to implement the measures described in this condition. The initial estimate of funding required to fulfill the measures described above is \$100,000. The total costs shall not exceed \$120,000. If less than \$100,000 is required to fulfill the terms of this condition, the excess shall be refunded to the Project owner. Based on the letter from Jim Abbott, Acting State Director of BLM to Alice Harron dated August 26, 2010, deposit of the funds by the Project owner into the NFWF Account will discharge the Project Owner's obligations under this Condition of Certification. --OR--	If the Project owner elects to fund the creation of a new water source by depositing funds into the REAT-NFWF subaccount, the Project owner shall provide written verification to the CPM, BLM and CDFG that \$100,000 has been deposited to that subaccount. Based on the letter from Jim Abbott, Acting State Director of BLM to Alice Harron, Solar Millennium dated August 26, 2010, deposit of the funds by the Project Owner into the NFWF Account will discharge the Project Owner's obligations under this Condition of Certification. The Project owner shall provide the CPM with a form of Security for installation, management and monitoring of the water source as described in this condition of certification no later than 30 days prior to beginning Project grounddisturbing activities for approval. Actual Security shall be provided no later than 7 days prior to the beginning of Project ground-disturbing activities. Security shall be \$100,000.	No later than 18 months from a CEC Final Decision	3/8/12	AECOM		1/8/12	2/7/12		
	X			BIO-21b(2)	CONS	As an alternative to providing a water source as described above, the Project owner may elect to secure compensatory mitigation lands that would offset the loss of spring foraging habitat (desert dry wash woodland, vegetated swales, and unvegetated washes) for Southern Mojave metapopulation Nelson's bighorn sheep. If the Project owner selects this compensatory mitigation option the Project owner shall acquire, in fee or in easement no less than 929 acres of lands that: a. Provide suitable spring foraging habitat for bighorn sheep in the form of desert dry wash woodland and vegetated swales within intermixed Sonoran creosote bush scrub habitat, and b. includes within spring foraging habitat that would benefit the Southern Mojave metapopulation (i.e., north of I-10). Priority acquisition areas would be in eastern Riverside County roughly bounded by Interstate 10, Highway 62, and Highway 177. The terms and conditions of this acquisition or easement shall be as described in BIO-12 (Desert Tortoise Compensatory Mitigation) and the timing associated with BIO-28 (phasing).	If the 929 acres of bighorn sheep mitigation land is separate from the acreage required for desert tortoise compensation lands, the project owner or an approved third party shall complete acquisition of the proposed compensation lands within the time period specified for this acquisition.	No less than 30 days prior to beginning Project ground-disturbing activities	10/23/10	Owner		8/24/10	9/23/10		
	X			BIO-21b(3)	CONS	The Project owner shall submit a formal acquisition proposal to the CPM, CDFG, and BLM describing the parcel(s) intended for purchase. This acquisition proposal shall discuss the suitability of the proposed parcel(s) as compensation lands for the Southern Mojave metapopulation of bighorn in relation to the criteria listed above. Approval from the CPM, in consultation with BLM and CDFG, shall be required for acquisition of all parcels comprising the compensation lands.	The Project owner shall submit to the CPM for review and approval a description of the proposed location of the water source that will be created.	No later than 6 months following start of ground disturbing activities	5/3/11	Owner					
	X			BIO-21b(4)	CONS	The Project owner shall provide written verification to the CPM that construction of the water source has been completed. At the same time, the Project owner shall: (1) provide a monitoring and management plan for bighorn use of the water source; and (2) provide evidence of an agreement (Memorandum of Understanding) and a funding mechanism to provide ongoing maintenance of the water source by BLM or some other party approved by the CPM in consultation with BLM and CDFG.	Provide written verification to the CPM.	No later than 24 months following project ground disturbing activities	11/22/11	Owner					
		X		BIO-21b(7)	CONS	Provide form of security for Phase 1b	Form of security shall be provided to CPM and CDFG	no later than 30 days prior to beginning Project ground-disturbing activities	5/2/11	Owner		3/3/11	4/2/11		
		X		BIO-21b(8)	CONS	Actual Security shall be provided no later than 7 days prior to the beginning of Project ground-disturbing activities.	Provide actual security to CPM and CDFG	7 days prior to the start of ground-disturbing activities	5/25/11	Owner		3/26/11	4/25/11		
	X			BIO-21d	CONS	If the Project owner elects to mitigate for loss of bighorn sheep spring foraging habitat with acquisition of compensatory mitigation lands owner shall submit a formal acquisition proposal to the CPM, BLM, and CDFG describing the 929 acres of lands intended for purchase. At the same time the Project owner shall submit a PAR or PAR-like analysis for the parcels for review and approval by the CPM, in consultation with BLM and CDFG. Refer to condition for land acquisition requirements.	Submit formal acquisition proposal and PAR analysis to CPM, BLM, CDFG, USFWS.	no less than 90 days prior to acquisition of the bighorn sheep compensation lands	TBD	Owner		#VALUE!	#VALUE!		
	X			BIO-21e	CONS	Owner shall provide written verification to the BLM, CPM, and CDFG that no fewer than 929 acres of compensation lands or conservation easements that meet the criteria described in the condition have been acquired and recorded in favor of the approved recipient. Security shall be refunded to Project owner once land has been acquired and recorded in favor of the approved recipient.	Submit documentation of acquisition and recording to CPM, BLM, and CDFG	No later than 18 months from Initiation of construction	9/22/12	Owner		7/24/12	8/23/12		

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	X	X		BIO-22a	CONS	MITIGATION FOR IMPACTS TO STATE WATERS: Implement the measures set forth in the Items 1-5 of the condition to avoid, minimize and mitigate for direct and indirect impacts to waters of the state and to satisfy requirements of California Fish and Game Code sections 1600 and 1607, including acquire off-site State waters, security for implementation of mitigation, preparation of management plan, compliance with code of regulations, implementation of BMPS, etc. Provide written verification (i.e., through incorporation into the BRMIMP) to the CPM that the BMPs will be implemented.	Provide written verification (i.e., through incorporation into the BRMIMP) to the CPM that the BMPs will be implemented.	No less than 30 days prior to the start of construction-related ground disturbance activities potentially affecting waters of the state.	10/23/10	AECOM		9/23/10	10/13/10		
	X	X		BIO-22b	CONS	Provide a discussion of work in waters of the state during the construction of the Project.	Submit the required documentation as part of the MCR.	Include in MCR	12/28/10	AECOM		11/28/10	12/18/10		
		X	X	BIO-22d(1)	CONS	Provide security form for Phase 1b and 2.	Submit the required documentation to the CPM and CDFG.	No less than 30 days prior to beginning Project ground-disturbance activities	5/2/11	Owner		1/2/11	4/2/11		
	X	X	X	BIO-22d(2)	CONS	Provide Actual Security to CPM for Phase 1b and 2.	Provide required documentation to CPM and CDFG.	7 days prior to the start of ground-disturbing activities	5/25/11	Owner		3/26/11	4/25/11		
	X	X	X	BIO-22e	CONS	The Project owner, or an approved third party, shall provide the CPM, BLM, CDFG and USFWS with a management plan for the compensation lands and associated funds.	The CPM and BLM shall review and approve the management plan, in consultation with CDFG.	Within 180 days of the land or easement purchase, as determined by the date on the title	TBD	Owner		#VALUE!	#VALUE!		
	X	X	X	BIO-22g	CONS	Provide written verification to the CPM, BLM, USFWS and CDFG that the compensation lands or conservation easements have been acquired and recorded in favor of the approved recipient.	Submit the required documentation to the BLM, CPM and CDFG.	No later than 18 months from adoption of the CEC Final Decision	3/8/12	Owner		1/8/12	2/7/12		
	X	X	X	BIO-22h	CONS	Notify the CPM and CDFG in writing prior to initiation of Project activities in jurisdictional state waters and jurisdictional areas.	Submit the required documentation to the CPM and CDFG.	At least 5 days prior to initiation of Project activities in jurisdictional state waters	11/17/10	AECOM		9/18/10	10/18/10		
	X	X	X	BIO-22i	CONS	Notify the CPM and CDFG in writing prior to completion of Project activities in jurisdictional areas.	Submit the required documentation to the CPM and CDFG.	At least 5 days prior to completion of Project activities in jurisdictional state waters	11/17/10	AECOM		9/18/10	10/18/10		
S	S	X	X	BIO-22j	CONS	Notify the CPM and CDFG of any change of conditions to the Project, impacts to state waters, or the mitigation efforts. A change of condition refers to the process, procedures, and methods of operation of a Project; the biological and physical characteristics of a Project area; or the laws or regulations pertinent to the Project as DEFINED IN THE CONDITION.	Provide the notifying report to the CPM and CDFG.	No later than 7 days after the change of conditions is identified	As required	AECOM		As required	As required		
	X	X	X	BIO-23b	CONS	Submit a final Decommissioning and Reclamation Plan.	Submit the final plan to the CPM for review and the BLM for approval.	Prior to the start of commercial operation	9/30/13	AECOM		6/2/13	8/31/13		
S	S	X	X	BIO-24a	CONS	GOLDEN EAGLE INVENTORY & MONITORING: During each year of construction, conduct an inventory to determine if golden eagle territories occur one mile of the Project boundaries. Data collected during the inventory shall include at least the following: territory status (unknown, vacant, occupied, breeding successful, breeding unsuccessful); nest location, nest elevation; age class of golden eagles observed; nesting chronology; number of young at each visit; digital photographs; and substrate upon which nest is placed. (See condition for criteria on how to determine unoccupied territory status.)	Submit a report to the CPM, CDFG, and USFWS documenting the results of the inventory.	No fewer than 30 days from completion of the golden eagle inventory	TBD	AECOM				10/20/2010 2010-108	Approved by the CEC on 11/03/10
AR	AR	AR	AR	BIO-24b	CONS	If an occupied nest is detected within one mile of the Project boundary during inventory, owner shall contact staff at the USFWS Carlsbad Office and CDFG within one working day of detection of the nest for interim guidance on monitoring and nest protection. Owner shall prepare and implement a Golden Eagle Monitoring and Management Plan for the duration of construction to ensure that Project construction activities do not result in injury or disturbance to golden eagles. The Monitoring and Management Plan shall be prepared in consultation with the USFWS. Triggers for adaptive management shall include any evidence of Project-related disturbance to nesting golden eagles, including but not limited to: agitation behavior (displacement, avoidance, and defense); increased vigilance behavior at nest sites; changes in foraging and feeding behavior, or nest site abandonment. The Monitoring and Management Plan shall include a description of adaptive management actions, which shall include, but not be limited to, cessation of construction activities that are deemed by the DB to be the source of golden eagle disturbance.	Only if an occupied nest is found THEN provide the CPM, CDFG, and USFWS with the final version of the Golden Eagle Monitoring and Management Plan. This final Plan shall have been reviewed and approved by the CPM in consultation with USFWS and CDFG.	within one working day of detection of the nest	3/2/11	AECOM		1/1/11	1/31/11		
AR	AR	AR	AR	BIO-24c	CONS	The project owner shall provide the CPM, CDFG, and USFWS with the final version of the Golden Eagle Monitoring and Management Plan. This final Plan shall have been reviewed and approved by the CPM in consultation with USFWS & CDFG.	Submit the final plan to CPM.	within 30 days after detection of the nest	TBD	AECOM		#VALUE!	#VALUE!		

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				BIO-25a	CONS	EVAPORATION POND NETTING & MONITORING: Cover the evaporation ponds prior to any discharge with 1.5-inch mesh netting designed to exclude birds and other wildlife from drinking or landing on the water of the ponds. Netting with mesh sizes other than 1.5-inches may be installed if approved by the CPM in consultation with CDFG and USFWS. The netted ponds shall be monitored regularly to verify that the netting remains intact, is fulfilling its function in excluding birds and other wildlife from the ponds, and does not pose an entanglement threat to birds and other wildlife. The ponds shall include a visual deterrent in addition to the netting, and the pond shall be designed such that the netting shall never contact the water.	Provide to the CPM as-built drawings and photographs of the ponds indicating that the bird exclusion netting has been installed.	No less than 30 days prior to operation of the evaporation ponds	01/02/13	AECOM		11/3/12	12/3/12		
AR	AR	AR	AR	BIO-25c	CONS	Construction operations staff at the Project site shall also report finding any dead birds or other wildlife at the evaporation ponds to the DB within one day of the detection of the carcass.	The DB shall report any bird or other wildlife deaths or entanglements to the CPM, CDFG, and USFWS.	within two days of the discovery	As required	AECOM		As required	As required		
AR	AR	AR	AR	BIO-25d	CONS	If dead or entangled birds are detected during construction, the DB shall take immediate action to correct the source of mortality or entanglement.	The DB shall make immediate efforts to contact and consult the CPM, CDFG, and USFWS by phone and electronic communications prior to taking remedial action upon detection of the problem, but the inability to reach these parties shall not delay taking action that would, in the judgment of the DB, prevent further mortality of birds or other wildlife at the evaporation ponds.	Immediately	As required	AECOM		As required	As required		
	X			BIO-26b	CONS	The Protection and Mitigation Plan shall include, at a minimum: habitat survey results; impacts assessment from habitat disturbance from construction, noise from construction, operations, and potential ORV traffic; increased access for vehicles from road construction or improvements; changes in breeding habitat due to changes in flow levels and flow patterns to breeding ponds; increased traffic from construction and operations; risk of exposure to elevated selenium and salinity levels in evaporative ponds; and increased risk of predation; avoidance and minimization measures; and mitigation if complete avoidance of the ponds or other breeding sites identified during surveys is not possible (the Protection and Mitigation Plan shall include plans to create additional breeding habitats (ephemeral pond) at least equal in area to the acreage of ponds being impacted). Alternatively, the Project owner may purchase mitigation land that has the potential for ponding that is equal to or greater than the ponds identified as potential Toad breeding ponds within the Project disturbance area. If ponds are to be created, the created ponds shall be capable of holding water for at least nine days during	If the Protection and Mitigation Plan includes creation of ponds, the number and acreage of created ponds shall be described in the plan. The Project owner shall provide to the CPM as-built drawings and photographs of the created ponds and maps showing the size and location of the ponds in relation to project features.	No less than 90 days prior to operation of project	8/1/13	AECOM		4/3/13	7/2/13		
				BIO-26d(1)	CONS	If mitigation land is purchased as an alternative to pond creation, the Project owner shall provide the CPM and CDFG with an approved form of Security and the calculation of such security in accordance with this condition of certification and BIO-12	Form of security shall be provided to CPM and CDFG with copies to BLM and USFWS	no later than 30 days prior to beginning Project ground-disturbing activities	5/2/11	Owner		3/3/11	4/2/11		
				BIO-26d(2)	CONS	Actual Security shall be provided no later than 7 days prior to the beginning of Project ground-disturbing activities.	Provide actual security to CPM and CDFG with copies to BLM and USFWS.	7 days prior to the start of ground-disturbing activities	5/25/11	Owner		3/26/11	4/25/11		
				BIO-26e	CONS	If Security is provided, the Project owner, or an approved third party, shall complete and provide written verification of the proposed compensation lands acquisition	Provide written verification.	within 18 months of the start of Project ground-disturbing activities.	5/15/12	Owner		3/16/12	4/15/12		
				BIO-26f	CONS	Owner shall submit a formal acquisition proposal to the CPM, CDFG and USFWS describing the parcels intended for purchase.	Submit acquisition proposal to CPM, CDFG, USFWS.	No less than 90 days prior to acquisition of the property	TBD	Owner		#VALUE!	#VALUE!		
				BIO-26g	CONS	The Project owner, or an approved third party, shall provide the CPM, CDFG and USFWS with a management plan for the compensation lands and associated funds. The CPM shall review and approve the management plan, in consultation with CDFG.	Submit management plan for compensation lands to CPM, CDFG, and USFWS	within 180 days of the land or easement purchase, as determined by the date on the title	TBD	Owner		#VALUE!	#VALUE!		
				BIO-26h	CONS	Provide written verification to the CPM, and CDFG that the compensation lands or conservation easements have been acquired and recorded in favor of the approved recipient	Submit verification of acquisition and recording to CPM & CDFG.	no later than 18 months from the start of ground-disturbing activities	5/15/12	Owner		3/16/12	4/15/12		
				BIO-27	CONS	The Project owner may choose to satisfy its mitigation obligations by paying an in lieu fee instead of acquiring compensation lands, pursuant to Fish and Game code sections 2069 and 2099 or any other applicable in-lieu fee provision, to the extent the in-lieu fee provision is found by the Commission to mitigate the impacts identified herein.	If electing to use this provision, the Project owner shall notify the Commission that it would like a determination that the Project's in-lieu fee proposal mitigate for the impacts identified herein.	TBD	TBD	Owner		#VALUE!	#VALUE!		
		X		BIO-28b	CONS	Prior to initiating Phase 1b of construction the project owner shall submit the actual construction schedule, a figure depicting the locations of proposed construction and amount of acres to be disturbed for that phase to CDFG, USFWS and BLM for review and to the CPM for review and approval. The description for each phase shall include the proposed construction schedule, a figure depicting the locations of proposed construction and amount of acres of each habitat type to be disturbed.	The tables in the Condition shall be refined prior to the start of Phase 1b with the disturbance area adjusted to reflect the final project footprint for the phase. Prior to initiating Phase 1b construction the project owner shall submit the actual construction schedule, a figure depicting the locations of proposed construction and amount of acres to be disturbed for that phase to CDFG, USFWS and BLM for review and to the CPM for review and approval. The description for Phase 1b shall include the proposed construction schedule, a figure depicting the locations of proposed construction and amount of acres of each habitat type to be disturbed.	No less than 30 days prior to the start of desert tortoise clearance surveys for each phase	5/2/11	AECOM	EPC	3/3/11	4/2/11		

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			X	BIO-28c	CONS	Prior to initiating Phase 2 of construction the project owner shall submit the actual construction schedule, a figure depicting the locations of proposed construction and amount of acres to be disturbed for that phase to CDFG, USFWS and BLM for review and to the CPM for review and approval. The description for each phase shall include the proposed construction schedule, a figure depicting the locations of proposed construction and amount of acres of each habitat type to be disturbed.	The tables in the Condition shall be refined prior to the start of Phase 2 with the disturbance area adjusted to reflect the final project footprint for the phase. Prior to Initiating Phase 2 construction the project owner shall submit the actual construction schedule, a figure depicting the locations of proposed construction and amount of acres to be disturbed for that phase to CDFG, USFWS and BLM for review and to the CPM for review and approval. The description for Phase 2 shall include the proposed construction schedule, a figure depicting the locations of proposed construction and amount of acres of each habitat type to be disturbed.	No less than 30 days prior to the start of desert tortoise clearance surveys for each phase	1/30/14	AECOM	EPC	12/1/13	12/31/13		
X				BLM Bond-Phase 1a	CONS	Provide security posting to BLM.	Submit required security posting to BLM.	Within 60 days of BLM NTP for Phase 1a	1/3/11	Owner		11/4/10	12/4/10		
X				BLM Bond-Phase 1a	CONS	Submit acreage and cost estimate to BLM for bonds for Phase 1a to BLM.	This task has been completed.	Prior to ground disturbance	12/04/10	Owner					
X				BLM Bond-Phase 1a	CONS	Obtain bond	Waiting for their response to tell us how much bond will be	Prior to ground disturbance	12/19/10	Owner					
X				BLM Bond-Phase 1a	CONS	Submit bond to BLM		Prior to ground disturbance	12/27/10	Owner					
	X			BLM Bond-Phase 1b	CONS	Submit acreage and cost estimate to BLM for bonds for Phase 1b to BLM.		Within 60 days of BLM NTP for Phase 1b	06/01/11	Owner					
	X			BLM Bond-Phase 1b	CONS	Obtain bond		Prior to ground disturbance	05/02/11	Owner					
	X			BLM Bond-Phase 1b	CONS	Submit bond to BLM		Prior to ground disturbance	05/17/11	Owner					
		X		BLM Bond-Phase 2	CONS	Submit acreage and cost estimate to BLM for bonds for Phase 2 to BLM.		Within 60 days of BLM NTP for Phase 2	03/01/14	Owner					
		X		BLM Bond-Phase 2	CONS	Obtain bond		Prior to ground disturbance	01/30/14	Owner					
		X		BLM Bond-Phase 2	CONS	Submit bond to BLM		Prior to ground disturbance	02/22/14	Owner					
X	X	X	X	BLM ROD Section 1.2	CONS	Since the publication of the PA/FEIS, it is the BLM's decision not to make a determination as to whether the groundwater for the Blythe Solar Power Project is Colorado River water. The California Energy Commission suggests in its Final Decision for the Blythe Solar Power Project that implementation of the Conditions for Certification and updated modeling may show that groundwater pumping will not draw down from the Colorado River. As a term and condition of the BLM authorized ROW for the project, the Applicant must comply with all CEC Conditions of Certification, which include water mitigation, modeling, and monitoring measures.	As a term and condition of the BLM authorized ROW for the project, the Applicant must comply with all CEC Conditions of Certification, which include water mitigation, modeling, and monitoring measures.	As required	As required	Owner					
AR	AR	AR	AR	BLM ROD Section 1.2	CONS	The Bureau of Reclamation has not finalized its rule on the accounting surface methodology for the Colorado River. This ROD recognizes that, should a rulemaking ever be finalized on the currently proposed accounting surface, the BLM will work with the Applicant to ensure that appropriate processes are followed to obtain such an allocation.		As required	As required	Owner					
		X		BLM ROD Section 1.2	CONS	The ROD requires the Applicant to secure all necessary local, state and federal permits, authorizations and approvals before the BLM will issue an NTP for the next phase of the project. On receipt of the NTP, and by remaining consistent with it, the Applicant will be able to construct and operate the Blythe Solar Power Project on the proposed site.		Prior to the start of construction of Phase 1b	06/01/11	Owner					
			X	BLM ROD Section 1.2	CONS	The ROD requires the Applicant to secure all necessary local, state and federal permits, authorizations and approvals before the BLM will issue an NTP for the next phase of the project. On receipt of the NTP, and by remaining consistent with it, the Applicant will be able to construct and operate the Blythe Solar Power Project on the proposed site.		Prior to the start of construction of Phase 2	03/01/14	Owner					
X				BLM ROD Section 1.4	CONS	Construction of the initial phase of development must commence within 12 months after issuance of BLM NTP but no later than 24 months after effective date of the issuance of the ROW Grant.			10/30/11	Owner					
			X	BLM ROD Section 1.4	CONS	Construction shall be completed within the time frames approved in the Plan of Development but no later than 24 months after start of construction or as otherwise approved by the BLM for phase construction.				Owner					
AR	AR	AR	AR	BLM ROD Section 1.4.1	CONS	When work areas outside those identified in the ROW are found to be needed (whether on federal or non-federal lands), additional inventory and evaluation will be performed if necessary to ensure the impact on biological, cultural, and other resources are avoided or minimized to the maximum extent practicable. Revised facility locations and survey results would be documented and forwarded to the BLM in the form of a Conformance Request. BLM consultations will be required as necessary prior to approval of the Conformance Request.				Owner					

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X	X	X	X	BLM ROD Section 1.5 Page 17	CONS	In addition to the mitigation provided for in this ROD, the Applicant through the protest negotiation process has agreed to continue to work with the BLM on providing additional funding for the following enhanced desert wildlife management opportunities: <ul style="list-style-type: none"> <li>The Applicant, in coordination with the BLM, will work to identify specific fencing strategies along the I-10 Corridor or other heavily used access/recreation areas within the Chuckwalla DWMA to maximize protection of Desert tortoise by reduce direct or indirect mortality associated with recreational vehicle use;</li> <li>The Applicant, in coordination with the BLM, will work to ensure enhanced funding is available to maintain certain existing infrastructure that is currently used to enhance protection of Desert tortoise, including, but not limited to: road underpasses, fencing, gates, and barrier crossings;</li> <li>The Applicant in, coordination with the BLM, will work to identify specific habitat enhancements within the DWMA that could be used to increase habitat values for Desert tortoise and other sensitive species;</li> <li>The Applicant, in coordination with the BLM, will provide enhanced funding that may</li> </ul>		As required	As required	Owner						
				CIVIL-02	CONS	The RE shall if appropriate, stop all earthwork and construction in the affected areas when the responsible soils engineer, geotechnical engineer, or the civil engineer experienced and knowledgeable in the practice of soils engineering identifies unforeseen adverse soil or geologic conditions. Submit modified plans, specifications, and calculations to the CBO based on these new conditions. The project owner shall obtain approval from the CBO before resuming earthwork and construction in the affected area.	Notify the CPM within 24 hours when earthwork and construction are stopped as a result of unforeseen adverse geological conditions. Within 24 hours of the CBO's approval to resume earthwork and construction in the affected areas, provide to the CPM a copy of the CBO's approval.	Within 24 hours of construction halt due to geologic conditions	As required	EPC		As required	As required			
				CIVIL-03	CONS	Perform inspections in accordance with the 2007 CBC. All plant site-grading operations, for which a grading permit is required, shall be subject to inspection by the CBO. If, in the course of inspection, it is discovered that the work is not being performed in accordance with the approved plans, the discrepancies shall be reported immediately to the resident engineer, the CBO, and the CPM. Prepare a written report, with copies to the CBO and the CPM, detailing all discrepancies, non-compliance items, and the proposed corrective action.	RE shall transmit to the CBO and CPM a NCR and the proposed corrective action for review and approval. Within five days of resolution of the NCR, the project owner shall submit the details of the corrective action to the CBO and the CPM. A list of NCRs, for the reporting month, shall also be included in the following MCR.	Within 5 days of discovery of any discrepancies	As required	EPC		As required	As required			
				CIVIL-04	CONS	After completion of finished grading and erosion and sedimentation control and drainage work, the project owner shall obtain the CBO's approval of the final grading plans (including final changes) for the erosion and sedimentation control work. The civil engineer shall state that the work within his/her area of responsibility was done in accordance with the final approved plans.	Submit to the CBO, for review and approval, the final grading plans (including final changes) and the responsible civil engineer's signed statement that the installation of the facilities and all erosion control measures were completed in accordance with the final approved combined grading plans, and that the facilities are adequate for their intended purposes, along with a copy of the transmittal letter to the CPM. Submit a copy of the CBO's approval to the CPM in the next MCR.	Within 30 days of completion of work or CBO approved time frame	11/29/13	EPC		9/30/13	10/30/13			
				COM-01	CONS	The CPM, CEC staff, and delegated agencies or consultants shall be guaranteed and granted unrestricted access to the power plant site, related facilities, project-related staff, and the records maintained on-site, for the purpose of conducting audits, surveys, inspections, or general site visits.	Although the CPM will normally schedule site visits on dates and times agreeable to the project owner, the CPM reserves the right to make unannounced visits at any time.	As required	As required	Owner		As required	As required			
				COM-02	CONS	Maintain project files on-site or at an alternative site approved by the CPM for the life of the project, unless a lesser period of time is specified by the conditions of certification. The files shall contain copies of all "as-built" drawings, documents submitted as verification for conditions, and other project-related documents.	CEC staff and delegate agencies shall, upon request to the project owner, be given unrestricted access to the files maintained pursuant to this condition.	Ongoing	Ongoing	Owner		Ongoing	Ongoing			
				COM-05a	CONS	Submit a construction matrix that provides the current status of all conditions in a spreadsheet format. (Refer to condition for required content.)	Submit a compliance matrix with each MCR.	Include in MCR	12/28/10	Owner		11/28/10	12/13/10			
				COM-06	CONS	Monthly Compliance Report + key events list. (Refer to condition for list.)	Submit to CPM on a monthly basis.	Include in MCR	12/28/10	Owner		11/28/10	12/18/10			
				COM-08	CONS	Any information that the project owner deems confidential shall be submitted to the CEC Executive Director with an application for confidentiality pursuant to Title 20, California Code of Regulations, section 2505(a).	Any information that is determined to be confidential shall be kept confidential as provided for in Title 20, California Code of Regulations, section 2501, et. seq.	As required	As required	Owner		As required	As required			
				COM-09a	CONS	Reporting of Complaints, Notices and Citations. Use form provided for all other than noise.	Provide copies of all notices, complaints, and citations to CEC CPM within 10 days of receipt. Respond to phone complaints within 24 hours or receipt.	As required	As required	Owner		As required	As required			
				COM-09c	CONS	Owner must send a letter to property owners living within one mile of the Project transmission line route notifying them of telephone number to contact with questions, comments or concerns. Telephone number either must be staffed 24 hours a day or shall include automatic answering with a date and time stamp recording. All recorded complaints shall be responded to within 24 hours.	Acquire Project phone number, for Project signs and provide to CEC for posting on CEC webpage.	Prior to the start of construction	8/16/11	Owner		6/17/11	8/1/11		Provide letter to property owners along t-line route	
				COM-10	CONS	In order to ensure that a planned facility closure does not create adverse impacts, a closure process that provides for careful consideration of available options and applicable laws, ordinances, regulations, standards, and local/regional plans in existence at the time of closure will be undertaken. To ensure adequate review of planned project closure, the project owner shall submit a proposed facility closure plan addresses the specific requirements set forth in Items 1-4 in the Condition. Prior to submittal of the proposed facility closure plan, a meeting shall be held between the project owner and the CPM for the purpose of discussing the specific contents of the plan. In the event that there are significant issues associated with the proposed facility closure plan's approval, or if the desires of local officials or interested parties are inconsistent with the plan, the CPM shall hold one or more workshops and/or the CEC may hold public hearings as part of its approval procedure. As necessary, prior to or during the closure plan process, the project owner shall take appropriate steps to eliminate any immediate threats	Submit a proposed facility closure plan to the CEC for review and approval. The project owner shall file 120 copies (or other number of copies agreed upon by the CPM) with the CEC.	at least 12 months (or other period of time agreed to by the CPM) prior to the commencement of closure activities	As required	Owner		As required	As required			

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				COM-11	CONS	In order to ensure that public health and safety and the environment are protected in the event of an unplanned temporary facility closure, it is essential to have an on-site contingency plan in place. The on-site contingency plan will help to ensure that all necessary steps to mitigate public health and safety impacts and environmental impacts are taken in a timely manner. Refer to condition for greater details.	Submit an on-site contingency plan for CPM review and approval. The approved plan must be in place during commercial operation of the facility and shall be kept at the site at all times. In the event of an unplanned temporary closure, the project owner shall notify the CPM, as well as other responsible agencies, by telephone, fax, or e-mail, within 24 hours and shall take all necessary steps to implement the on-site contingency plan.	no less than 60 days (or other time agreed to by the CPM) prior to COD	8/31/13	Owner		7/2/13	8/15/13			
				COM-12a	CONS	The on-site contingency plan required for unplanned temporary closure shall also cover unplanned permanent facility closure. All of the requirements specified for unplanned temporary closure shall also apply to unplanned permanent closure. In addition, the on-site contingency plan shall address how the project owner will ensure that all required closure steps will be successfully undertaken in the event of abandonment.	In the event of an unplanned permanent closure, the project owner shall notify the CPM, as well as other responsible agencies, by telephone, fax, or e-mail, within 24 hours and shall take all necessary steps to implement the On-Site Contingency Plan. The project owner shall keep the CPM informed of the status of all closure activities.	within 24 hours	As required	Owner		As required	As required			
				COM-12b	CONS	A closure plan, consistent with the requirements for a planned closure, shall be developed.	Submit the required plan to the CPM.	within 90 days of the permanent closure or another period of time agreed to by the CPM	As required	Owner						
				COM-13	CONS	Post-Certification Changes to the BLM ROW Grant or CEC Final Decision. Owner must petition the CEC to transfer ownership or operational control of the facility. It is the responsibility of the project owner to contact the CPM to determine if a proposed project change should be considered a project modification pursuant to section 1769. (See condition for more information on the amendment process.)	As required.	As required	As required	Owner		As required	As required			
				COM-Fee	CONS	Subsequent annual compliance fees are due every July. The siting and compliance fees are adjusted annually to reflect the percentage change in the Implicit Price Deflator for State and Local Government Purchases of Goods and Services, as published by the U.S. Department of Commerce. All fees are payable to the California Energy Commission. Section 2508 of the California Public Resources Code addresses the concept and structure of the Energy Commission's filing fees for proposed generation facilities. Initially, projects that would use a renewable resource as the primary fuel or power source were exempt from the license and compliance fees. However, beginning in FY 2010-2011 all projects, regardless of fuel source, are required to pay the siting and compliance fees.		Annually	7/15/11	Owner						
		X		CUL-03c	CONS	Owner shall ensure that the CRS obtains the services of a specialist backhoe operator to conduct the activities specified in CUL-6, if needed. This backhoe operator shall have a resume that demonstrates previous experience using a backhoe in coordination with an archaeologist. In addition the operator shall use a machine with a —stripping bucket   that is sensitive enough to remove even and consistent layers of sediment 5 centimeters thick.	Submit the resume of the proposed backhoe operator for CPM review and approval.	At least 20 days prior to the beginning of ground disturbance of phase-1b	5/12/11	Owner	EPC	3/13/11	4/27/11			
X	X	X	X	CUL-03d	CONS	Prior to the termination or release of a CRS, submit resume of proposed new CRS. Provide the proposed new CRS the AFC and all cultural resources documents, field notes, photographs, and other cultural resources materials generated by the project. If no alternate CRS is available to assume the duties of the CRS, a monitor may serve in place of a CRS so that ground disturbance may continue up to a maximum of 3 days without a CRS. If cultural resources are discovered then ground disturbance will remain halted until there is a CRS or alternate CRS to make a recommendation regarding significance.	Submit the resume of the proposed new CRS to the CPM for review and approval.	At least 10 days prior to a termination or release of the CRS, or within 10 days after the resignation of a CRS	As required	AECOM		As required	As required			
AR	AR	AR	AR	CUL-03g	CONS	Prior to adding new CRMs, provide a letter to the CPM identifying the new CRMs and attesting to their qualifications.	CRS shall provide letters for submittal to the CPM.	At least 5 days prior to additional CRMs beginning on-site duties	As required	AECOM		As required	As required		Large pool has been approved; don't anticipate needing additional CRMs	
AR	AR	AR	AR	CUL-04c	CONS	If project proceeds in phases, provided any maps not previously provided to the CRS, PPA, PHA, and CPM.	Submit required maps and drawings.	At least 15 days prior to the start of each phase of a phased project	As required	EPC		As required	As required			
X	X	X	X	CUL-04d	CONS	Project construction manager shall provide to the CRS and CPM a schedule of project activities for the following week, including the identification of area(s) where ground disturbance will occur during that week.	Provide the weekly schedule to the CRS and CPM by letter, e-mail, or fax.	Weekly, during ground disturbance	11/22/10	EPC		11/1/10			Ongoing; copies included as part of MCR	
X	X	X	X	CUL-04e	CONS	Owner shall provide written notice of the scheduling changes to the CRS and CPM.	Submit required documentation.	Within 5 days of changing the scheduling of phases of a phased project	As required	EPC		As required	As required			
S	X	X	X	CUL-06b	CONS	Notify the CPM that the field recordation of the impacted southwestern portion of the site has ensued.	Submit the required notification to CPM.	At least 5 days prior to the start of BSPP construction-related ground disturbance in the linear facilities corridor impacting site	11/17/10	AECOM		10/20/10	10/20/10			

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X	X	X	X	CUL-06c(2)	CONS	Ensure that the PPA completes the geophysical test to arrive at an agreement on the reliability of the use of magnetometry (groundtruthing) to locate buried PQAD thermal cobble features and how to proceed with the subsurface survey. The approved survey shall be conducted.	Refer to condition 1. - 8. for requirements. Refer to 4b for thermal cobble features and geophysical survey for Thermal Cobble features. Provide CPM with results of survey and geophysical test	At least 90 days prior to the start of BSPP construction-related ground disturbance in Unit 1 east of Historic Road	1/15/11	AECOM		10/20/10	11/1/10		Dates are approximated by NT
X	X	X	X	CUL-06d	CONS	Submit, for the review and approval of the CPM, the precise geographic coordinates of the provisional boundary of the PQAD and a stratified random sample for a broader magnetometry survey of 10 percent of the PQAD within the project boundaries (maximum of 2 acres) or a stratified random sample for a mechanical subsurface survey of 2.5 percent of the PQAD located inside the project's boundaries.	Refer to condition 1. - 8. for requirements.	At least 90 days prior to the start of BSPP construction-related ground disturbance in Units 1 east of Historic Road	11/2/10	AECOM		10/20/10	11/1/10		
X	X	X	X	CUL-06e	CONS	Ensure that the PPA completes the preliminary report on the formal inventory of the PQAD prepared by or under the direction of the CRS, and selection of separate samples for the data recovery excavation of 10 PQAD thermal cobble features, and four block exposures to reveal intact buried land surfaces there. Results of the formal inventory, as set out in the preliminary report, shall be the basis for the refinement of the provisional district boundary.	Ensure that the preliminary report is a concise document that provides descriptions of the schedule and methods of the inventory field effort, a preliminary tally of the numbers and, where feasible, the types of archaeological deposits that were found, a discussion of the potential range of error in that tally, and a map of the locations of the found archaeological deposits that has topographic contours and the project site landform	At least 90 days prior to the start of BSPP construction-related ground disturbance in Units 1 east of Historic Road	1/4/11	AECOM		10/20/10	12/28/10		
X	X	X	X	CUL-06f	CONS	Notify the CPM that the CRS has initiated the data recovery phases of the data recovery program and submits, for the review and approval of the CPM, a preliminary report of the results.	Submit the required notification to the CPM.	At least 90 days prior to the start of BSPP construction-related ground disturbance in Units 1 east of Historic Road	1/4/11	AECOM		TBD	TBD		
		X		CUL-06g	CONS	Notify the CPM that the CRS has initiated data recovery on the three isolated thermal cobble features.	Submit the required notification to the CPM.	At least 30 days prior to the start of ground disturbance within 30 meters of the site boundaries of the three isolated thermal cobble features	5/2/11	AECOM		TBD	TBD		
			X	CUL-06h	CONS	Notify the CPM that the CRS has initiated the pedestrian surface survey of the northwestern edge of site CA-Riv-3419, with the permission of the BLM.	Submit the required notification to the CPM.	At least 30 days prior to the start of ground disturbance within 30 meters of the northeastern portion of site CA-Riv-3419 that the project will impact	1/30/14	AECOM		TBD	TBD		
S	S			CUL-07a	CONS	Ensure the CRMMP includes a data recovery plan for the resource type "small prehistoric sites," consisting of sites CA-Riv-1136, SMB-P-160, SMB-M-214, SMB-P-228, SMB-H-234, SMB-P-238, SMB-P-241, SMB-P-244, SMB-P-249, SMB-P-252, SMB-P-410, SMB-P-530, SMB-P-531, SMB-P-532, SMB-H-CT-001, SMB-H-TC-101, SMB-H-TC-103, and SMB-H-WG-102. This site list may be revised only with the agreement of the CRS and the CPM. The data recovery plan shall include use of the CARIDAP protocol on qualifying sites, how to proceed if features or other buried deposits are encountered, and the materials analyses and laboratory artifact analyses that will be used. See Items 1-17 in Condition for a description of specific tasks to be included in the	Notify the CPM that data recovery for small sites has ensued.	At least 5 days prior to ground disturbance	11/17/10	AECOM		9/18/10	11/2/10	10/21/10 2010 114	Pending CEC approval
	X	X		CUL-07b	CONS	CRS shall notify the CPM regarding the presence or absence of subsurface deposits and shall make a recommendation on the site's CRHR eligibility.	Submit the required documentation to the CPM.	After the completion of the excavation of the first 1-meter-by-1-meter excavation unit at each of the	12/9/2010	AECOM		TBD	TBD		
	X	X		CUL-07c	CONS	Submit a letter report written by the PPA or CRS for review and approval of the CPM. When the CPM approves the letter report, ground disturbance may begin at this site location.	Submit the required documentation to the CPM.	Within one week of the completion of data recovery at a site	12/9/2010	AECOM		TBD	TBD		
			X	CUL-08a	CONS	Ensure the CRMMP includes a data recovery plan for the resource type "historic-period archaeological sites with features," consisting of sites SMB-H-143, SMB-H-163, SMB-H-203, SMB-H-205, SMB-H-207, SMB-H-210, SMB-H-222, SMB-H-223, SMB-H-245, SMB-H-247, SMB-H-250, SMB-H-251, SMB-H-409, SMB-H-411, SMB-H-416, and SMB-H-419. This site list may be revised only with the agreement of the CRS and the CPM. The data recovery plan shall include how to proceed if features or other buried deposits are encountered and the materials analyses and laboratory artifact analyses that will be used. See Items 1-10 in Condition for a description of specific tasks to be included in plan.	Notify the CPM that mapping and In-field artifact analysis has ensued on historic-period sites with features.	At least 5 days prior to ground disturbance for Phase 1b	5/27/11	AECOM		3/28/11	5/12/11		

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		X		CUL-08b	CONS	Ensure that the CRS, PHA, and/or archaeological team members implement the data recovery plan.	Implement the plan, if allowed by BLM.	Prior to start of ground disturbance within 30 meters of the site boundaries of each site in Phase 1b	5/17/11	AECOM		3/18/11	5/2/11		
		X		CUL-08c	CONS	Submit to the CPM for a letter report written by the CRS, evidencing that the field portion of data recovery at each site has been completed. When the CPM approves the letter report, ground disturbance may begin at the site location(s) that are the subject of the letter report.	Submit the letter report to the CPM for review and approval.	Within one week of completing data recovery at a site	5/17/11	AECOM		3/18/11	5/2/11		
		X		CUL-09a	CONS	Ensure the CRMMP includes a data recovery plan for the resource type "historic-period archaeological sites with structures," consisting of sites (SMB-H-404, SMB-H-432, and SMB-H-514) This site list may be revised only with the agreement of the CRS and the CPM. The data recovery plan shall include how to proceed if features or other buried deposits are encountered and the materials analyses and laboratory artifact analyses that will be used. The plan shall also specify in detail the location recordation equipment and methods to be used and describe any anticipated post-processing of the data.	Owner shall notify the CPM that mapping and in-field artifact analysis has ensued on historic-period sites with structures.	At least 5 days prior to ground disturbance	5/27/11	AECOM		3/28/11	5/12/11		
		X		CUL-09b	CONS	Ensure that the CRS, the PHA, and/or archaeological team members implement the plan, which shall include, but is not limited to Condition requirements 1.-11.	Implement the plan, if allowed by BLM.	Prior to the start of ground disturbance within 30 meters of the sites boundaries of each of these sites	5/17/11	AECOM		3/18/11	5/2/11		
		X		CUL-09c	CONS	Submit to the CPM for a letter report written by the CRS, evidencing that the field portion of data recovery at each site has been completed. When the CPM approves the letter report, ground disturbance may begin at the site location(s) that are the subject of the letter report.	Submit the letter report to the CPM for review and approval.	Within one week of completing data recovery at a site	6/16/11	AECOM		6/16/11	6/1/11		
X	X			CUL-10a Phase 1a	CONS	Ensure the CRMMP includes a data recovery plan for the resource type "historic-period dump sites," consisting of sites SMB-H-522/525 along the linear facilities corridor if impacts to the latter cannot be avoided by spanning. This site list may be revised only with the agreement of the CRS and the CPM. See Items 1-9 in Condition for a description of the specific tasks to be included in plan.	Notify the CPM that mapping and in-field artifact analysis has ensued on historic-period dump sites.	At least 15 days prior to ground disturbance for Phase 1a	10/17/10	AECOM		8/18/10	10/2/10	10/21/10 2010-114	Pending CEC approval
		X		CUL-10a Phase 1b	CONS	Ensure the CRMMP includes a data recovery plan for the resource type "historic-period dump sites," consisting of sites (SMB-H-171, SMB-H-224, SMB-H-403, and SMB-H-427 on the proposed plant site) impacts to the latter cannot be avoided by spanning. This site list may be revised only with the agreement of the CRS and the CPM. See Items 1-9 in Condition for a description of the specific tasks to be included in plan.	Notify the CPM that mapping and in-field artifact analysis has ensued on historic-period dump sites.	At least 15 days prior to ground disturbance for Phase 1b	5/17/11	AECOM		11/19/10	5/2/11		
X	X			CUL-10b Phase 1a	CONS	Ensure that the CRS, PHA, and/or archaeological team members implement the data recovery plan.	Implement the plan, if allowed by BLM.	Prior to start of ground disturbance within 30 meters of the site boundaries of each site in Phase 1a	12/1/2010	AECOM		10/2/10	11/16/10	10/21/10 2010-114	Pending CEC approval
		X		CUL-10b Phase 1b	CONS	Ensure that the CRS, PHA, and/or archaeological team members implement the data recovery plan.	Implement the plan, if allowed by BLM.	Prior to start of ground disturbance within 30 meters of the site boundaries of each site in Phase 1b	5/17/11	AECOM		3/18/11	5/2/11		
X	X			CUL-10c Phase 1a	CONS	Submit to the CPM for review and approval a letter report written by the CRS, evidencing that the field portion of data recovery at each site has been completed. When the CPM approves the letter report, ground disturbance may begin at the site location(s) that are the subject of the letter report.	Submit the letter report to the CPM for review and approval.	Within one week of completing data recovery at a site in Phase 1a	12/9/2010	AECOM		10/10/10	11/24/10		No Phase 1a sites affected
		X		CUL-10c Phase 1b	CONS	Submit to the CPM for review and approval a letter report written by the CRS, evidencing that the field portion of data recovery at each site has been completed. When the CPM approves the letter report, ground disturbance may begin at the site location(s) that are the subject of the letter report.	Submit the letter report to the CPM for review and approval.	Within one week of completing data recovery at a site in Phase 1b	7/1/11	AECOM		5/2/11	6/16/11		
X	X			CUL-11a Phase 1a	CONS	Ensure the CRMMP includes a data recovery plan for the resource type "historic-period refuse sites," consisting of sites (SMB-H-164, SMB-H-165, SMB-H-181, SMB-H-287, SMB-H-288, and SMB-H-423) (SMB-H-164 also has a probable prehistoric thermal cobble feature for which assessment and data recovery would be accomplished under CUL-6.) The focus of the recordation upgrade is to determine if these sites can be attributed to the DTC/C-AMA use of the region and are therefore contributors to the DTCC. This site list may be revised only with the agreement of the CRS and the CPM. See Items 1-8 in the Condition for a description of the specific tasks to be included in plan.	Notify the CPM that mapping and upgraded in-field artifact analysis has ensued on six historic-period refuse scatter sites.	At least 15 days prior to ground disturbance	10/25/10	AECOM		8/26/10	10/10/10	10/21/10 2010-114	Pending CEC approval
		X		CUL-11a Phase 1b	CONS	Ensure the CRMMP includes a data recovery plan for the resource type "historic-period refuse sites," consisting of sites (SMB-H-164, SMB-H-181, SMB-H-287, SMB-H-288, and SMB-H-423) (SMB-H-164 also has a probable prehistoric thermal cobble feature for which assessment and data recovery would be accomplished under CUL-6.) The focus of the recordation upgrade is to determine if these sites can be attributed to the DTC/C-AMA use of the region and are therefore contributors to the DTCC. This site list may be revised only with the agreement of the CRS and the CPM. See Items 1-8 in the Condition for a description of the specific tasks to be included in plan.	Notify the CPM that mapping and upgraded in-field artifact analysis has ensued on six historic-period refuse scatter sites.	At least 15 days prior to ground disturbance	10/25/10	AECOM		8/26/10	10/10/10	10/21/10 2010-114	

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X	X			CUL-11b Phase 1a	CONS	Ensure that the CRS, PHA, and/or archaeological team members implement the data recovery plan.	Implement the plan, if allowed by BLM.	Prior to start of ground disturbance within 30 meters of the site boundaries of each site	10/20/2010	AECOM		10/20/10	10/20/10	10/21/10 2010-114	Pending CEC approval	
		X		CUL-11b Phase 1b	CONS	Ensure that the CRS, PHA, and/or archaeological team members implement the data recovery plan.	Implement the plan, if allowed by BLM.	Prior to start of ground disturbance within 30 meters of the site boundaries of each site	10/20/2010	AECOM		10/20/10	10/20/10	10/21/10 2010-114		
X	X			CUL-11c Phase 1a	CONS	Submit to the CPM for review and approval a letter report written by the CRS, evidencing that the field portion of data recovery at each site has been completed. When the CPM approves the letter report, ground disturbance may begin at the site location(s) that are the subject of the letter report.	Submit the letter report to the CPM for review and approval.	Within one week of completing data recovery at a site	12/9/2010	AECOM		10/10/10	11/24/10			
		X		CUL-11c Phase 1b	CONS	Submit to the CPM for review and approval a letter report written by the CRS, evidencing that the field portion of data recovery at each site has been completed. When the CPM approves the letter report, ground disturbance may begin at the site location(s) that are the subject of the letter report.	Submit the letter report to the CPM for review and approval.	Within one week of completing data recovery at a site	07/01/11	AECOM		5/2/11	6/16/11			
S	S	S	S	CUL-12b	CONS	Provide the historian's report to the DTCCL PI-Historian for use in the possible DTCCL NRHP nomination.	Provide the report to the DTCCL PI-Historian.	Within 15 days after the CPM approves the report	Within 15 days after the CPM approves the report	AECOM		Within 15 days after the CPM approves the report	Within 15 days after the CPM approves the report		APPROVED BY CEC ON 12/2/10	
S	S	S	S	CUL-13a	CONS	Ensure that a qualified architectural historian (must meet the U.S. Secretary of the Interior's Professional Qualifications Standards for historian, as published in Title 36, Code of Federal Regulations, part 61) conducts research to establish the current existence and locations of the water supply pipelines that connect the Blythe Army Air Base Reservoir pipelines to the former Blythe Army Air Base. The project owner may undertake this task prior to Energy Commission certification of the project.	Submit to the CPM the historian's report verifying the current presence or absence of the pipelines and, if they are present, a plan indicating how they will be avoided.	At least 15 days prior to excavating any trenches crossing the old Blythe Army Air Base Reservoir water pipelines	10/15/2010	AECOM		8/18/10	10/12/10	10/21/10 2010-116	APPROVED BY CEC ON 11/02/10 followed up via letter on 11/12/10	
X	X			CUL-13b	CONS	Ensure that the construction of the project's underground facilities that cross these old pipelines avoids impacting them.	Ensure that construction activities do not impact old underground pipelines referenced in condition.	During construction	2/1/11	AECOM	EPC	8/18/10	10/12/10			
S	S			CUL-13c	CONS	The project owner shall provide the historian's report to the DTCCL PI-Historian for use in the possible DTCCL NRHP nomination.	Forward report to the DTCCL PI-Historian.	Within 15 days after the CPM approves the report	Within 15 days after the CPM approves the report	AECOM		Within 15 days after the CPM approves the report	Within 15 days after the CPM approves the report			
O	O	O	O	CUL-15c	CONS	Provide in the Monthly Compliance Report (MCR) the WEAP Training Acknowledgement forms of workers who have completed the training in the prior month and a running total of all persons who have completed training to date.	Include within MCR.	Include in MCR	12/28/10	Owner		10/29/10	12/13/10			
O	O	O	O	CUL-16a	CONS	Full-time archaeological monitoring shall be conducted for the condition, including earth-removing activities as specified in the areas recommended by the geoarchaeological study to the depth recommended; for the trenches for underground communication lines and the natural gas pipeline; for the holes for the transmission line support structures in the parts of sites CA-Riv-2846 and CA-Riv-3419 that the project will grade away, in the area inside project boundaries within 1,000 feet of the margins of archaeological sites CA-Riv-2846 and CA-Riv-3419 and within 300 feet of all known and discovered examples of thermal cobble features; and for the jack-and-bore tunneling for underground conductor or cable lines or pipelines, that they monitor the excavation of the jack-and-bore entry and exit pits and examine, log, and screen auger back-dirt samples, as detailed in the CRMMP, for as long as the activities are ongoing. Where excavation equipment is actively removing dirt and hauling the excavated material farther than fifty feet from the location of active excavation, full-time archaeological monitoring shall require at least two monitors per excavation area. In this circumstance, one monitor shall	On forms provided by the CPM, CRMs shall keep a daily log of any monitoring and other cultural resources activities and any instances of noncompliance with the Conditions and/or applicable LORS. Copies of the daily monitoring logs shall be provided by the CRS to the CPM, if requested by the CPM.	Daily, during construction in the specified areas	11/1/10	AECOM			9/2/10	10/17/10		
O	O	O	O	CUL-16b	CONS	From the daily logs, the CRS shall compile a monthly monitoring summary report to be included in the MCR. If there are no monitoring activities, the summary report shall specify why monitoring has been suspended.	Include in each MCR a copy of the monthly summary report of cultural resources-related monitoring prepared by the CRS and shall attach any new DPR 523A forms completed for finds treated prescriptively, as specified in the CRMMP.	Include in MCR	12/28/10	AECOM		10/29/10	12/13/10			
AR	AR	AR	AR	CUL-16c	CONS	In the event that the CRS believes that the current level of monitoring is not appropriate in certain locations, a letter or e-mail detailing the justification for changing the level of monitoring shall be provided to the CPM for review and approval prior to any change in the level of monitoring. The CRS, at his or her discretion, or at the request of the CPM, may informally discuss cultural resources monitoring and mitigation activities with Energy Commission technical staff.	Submit to the CPM, for review and approval, a letter or e-mail (or some other form of communication acceptable to the CPM) detailing the CRS's justification for changing the monitoring level.	At least 24 hours prior to implementing a proposed change in monitoring level	As required	AECOM		As required	As required		Level of monitoring was reduced by CEC	
O	O	O	O	CUL-16d	CONS	Ensure that the CRS, alternate CRS, or CRMs, to prevent construction impacts to undiscovered resources and to ensure that known resources are not impacted in an unanticipated manner, monitor full time all ground disturbance.	CRS shall provide a statement that no cultural resources over 50 years of age were discovered to the CPM as an e-mail or in some other form of communication acceptable to the CPM.	Daily, as long as no cultural resources are found	11/1/10	AECOM		9/2/10	10/17/10			
AR	AR	AR	AR	CUL-16e	CONS	Provide the CPM with copies of the soil and sediment descriptions and auger-backdirt screening logs kept by the CRS, alternate CRS, or CRMs, as detailed in the CRMMP.	Provide required documentation.	Weekly, during jack-and-bore tunneling for the underground construction power line	11/8/10	AECOM		9/9/10	10/24/10			

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O	O	O	O	CUL-16f	CONS	The CRS or alternate CRS shall report daily to the CPM on the status of the project's cultural resources-related activities, unless reducing or ending daily reporting is requested by the CRS and approved by the CPM.	Submit to the CPM, for review and approval, a letter or e-mail (or some other form of communication acceptable to the CPM) detailing the CRS's justification for reducing or ending daily reporting.	At least 24 hours prior to reducing or ending daily reporting	As required	AECOM		As required	As required		
S	S	S	S	CUL-16g	CONS	A Native American monitor shall be obtained to monitor ground disturbance in areas where Native American artifacts may be discovered. Contact lists of interested Native Americans and guidelines for monitoring shall be obtained from the Native American Heritage Commission. Preference in selecting a monitor shall be given to Native Americans with traditional ties to the area that shall be monitored.	Submit to the CPM copies of the information transmittal letters sent to the Chairpersons of the Native American tribes or groups who requested the information. Additionally, the project owner shall submit to the CPM copies of letters of transmittal for all subsequent responses to Native American requests for notification, consultation, and reports and records.	No later than 30 days following the discovery of any Native American cultural materials	As required	AECOM		As required	As required	10/21/10 2010-111	APPROVED BY CEC 11/02/10
AR	AR	AR	AR	CUL-16h	CONS	If efforts to obtain the services of a qualified Native American monitor are unsuccessful, the project owner shall immediately inform the CPM. The CPM will either identify potential monitors or will allow ground disturbance to proceed without a Native American monitor.	Submit to the CPM copies of any comments or information provided by Native Americans in response to the project owner's transmittals of information.	Within 15 days of receiving comments	As required	AECOM		As required	As required		
AR	AR	AR	AR	CUL-16i	CONS	The CRS shall also recommend corrective action to resolve the problem or achieve compliance with the Conditions.	Owner shall notify the CPM by telephone or e-mail within 24 hours	Upon becoming aware of any incidents of non-compliance	As required	AECOM		As required	As required		
AR	AR	AR	AR	CUL-16j	CONS	When the issue is resolved, the CRS shall write a report describing the issue, the resolution of the issue, and the effectiveness of the resolution measures.	This report shall be provided in the next MCR for the review of the CPM.	Include in MCR	12/28/10	AECOM		10/29/10	12/13/10		
AR	AR	AR	AR	CUL-17b	CONS	In the event that a cultural resource over 50 years of age is found (or if younger, determined exceptionally significant by the CPM), or impacts to such a resource can be anticipated, ground disturbance shall be halted or redirected in the immediate vicinity of the discovery sufficient to ensure that the resource is protected from further impacts. Monitoring and daily reporting, as provided in other conditions, shall continue during the project's ground-disturbing activities elsewhere. The halting or redirection of ground disturbance shall remain in effect until the CRS has visited the discovery, and all of the following have occurred. Refer to Condition Items 1-4.	The CRS shall notify the CPM, or by Monday morning if the cultural resources discovery occurs between 8:00 AM on Friday and 8:00 AM on Sunday morning.	Within 24 hours of a discovery	As required	AECOM		As required	As required		
AR	AR	AR	AR	CUL-17c	CONS	Owner shall ensure that the CRS notifies all Native American groups that expressed a desire to be notified in the event of such a discovery.	CRS submit appropriate notice to CPM, SMLLC, & Native Americans.	Within 48 hours of the discovery of a resource of interest to Native Americans	As required	AECOM		As required	As required		
AR	AR	AR	AR	CUL-17d	CONS	Unless the discovery can be treated prescriptively, as specified in the CRMMP, completed DPR 523 forms for resources newly discovered during ground disturbance shall be submitted to the CPM for review and approval. Timing depends on whichever the CRS decides is more appropriate for the subject cultural resource.	Submit completed DPR 523 forms.	no later than 24 hours following the notification of the CPM, or 48 hours following the completion of data recordation/recovery	As required	AECOM		As required	As required		
AR	AR	AR	AR	CUL-18a	CONS	If the project owner requests a suspension of ground disturbance and/or construction activities, then a draft CRR that covers all cultural resources activities associated with the project shall be prepared by the CRS on the same day as the suspension/extension request. The draft CRR shall be retained at the project site in a secure facility until ground disturbance and/or construction resumes or the project is withdrawn. If the project is withdrawn, then a final CRR shall be submitted to the CPM for review and approval at the same time as the withdrawal request.	Submit a draft CRR to the CPM and BLM Palm Springs archaeologist for review and comment / approval.	Within 30 days after requesting a suspension of construction activities	As required	AECOM		As required	As required		
AR	AR	AR	AR	CUL-19	CONS	If provisions in the BLM Blythe Solar Power Plant Programmatic Agreement and associated implementation and monitoring programs conflict with or duplicate these Conditions of Certification, the BLM provisions shall take precedence.	Provisions in these conditions that are additional to or exceed BLM provisions and represent requirements under the Energy Commission's CEQA responsibilities shall continue to apply to the project's activities, contingent on BLM's approval.	As required	As required	Owner		As required	As required		
				ELEC-01	CONS	Prior to the start of any increment of electrical construction for all electrical equipment and systems 480 Volts or higher (see a representative list, below), with the exception of underground duct work and any physical layout drawings and drawings not related to code compliance and life safety, submit, for CBO design review and approval, the proposed final design, specifications, and calculations. Upon approval, the above listed plans, together with design changes and design change notices, shall remain on the site or at another accessible location for the operating life of the project. Request that the CBO inspect the installation to ensure compliance with the requirements of applicable LORS. All transmission facilities (lines, switchyards, switching stations, and substations) are handled in conditions of certification in the Transmission System Engineering section of this document. (See specific info in condition)	Submit to the CBO for design review and approval the above listed documents. The project owner shall include in this submittal a copy of the signed and stamped statement from the responsible electrical engineer attesting compliance with the applicable LORS, and shall send the CPM a copy of the transmittal letter in the next MCR.	At least 30 days prior to start of construction of each increment of electrical construction	As required	EPC					KPE SENT SPECS. FOR GENERATOR SET-UP, AND MAIN AUX TO CBO ON 8/31/10

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				FWS BO Item a) Page 36	CONS	The applicant shall prepare and provide to the Service and BLM an annual report by December 31 of each year of the project. The annual report shall document but not be limited to, the following: <ul style="list-style-type: none"> <li>• Compliance with project-specifications and conservation measures outlined in this biological opinion, including BIO-1 thru BIO-14, BIO-27, and BIO-28 outlined in the CEC's Commission Decision on the BSPP project (CEC 2010b), as they relate specifically to tortoises.</li> <li>• Any activities determined by the Designated Biologist or Biological Monitors to be out of compliance with project-specifications and conservation measures outlined in this biological opinion and the corrective measures implemented to bring the project back into compliance. The total amount and location of tortoise habitat disturbed by construction and O&amp;M activities during the reporting year.</li> <li>• The number and location of tortoises killed or injured during project construction or O&amp;M activities during the reporting year and a description of the circumstances leading to the death or injury of individuals of the species.</li> <li>• Activities conducted under the Desert Tortoise Relocation/Translocation Plan (BIO-10) during the reporting year, including but not limited to, the number and location of tortoise eggs, hatchlings, juveniles, subadults, or adults located during project activities and relocated or translocated during preconstruction, construction, and/or O&amp;M activities during the reporting year.</li> </ul>		Annually	12/31/2010							
				FWS BO Page 37	CONS	The CFWO is to be notified immediately at (760) 431-9440 if any desert tortoises are found sick, injured, or dead in the action area. Immediate notification means verbal (if possible) and written notice within 1 workday, and must include the date, time, and location of the carcass, and any other pertinent information. Care must be taken in handling sick or injured individuals to ensure effective treatment and care and in handling dead specimens to preserve biological material in the best possible state.	The CFWO should also be notified immediately at (760) 431-9440 if any endangered or threatened species not addressed in this biological opinion is found dead or injured in the project footprint during the life of the project. The same reporting requirements also shall pertain to any healthy individual(s) of any threatened or endangered species found in the action area and handled to remove the animal to a more secure location.	As required	As required							
				GEN-01a	CONS	Design, construct, and inspect the project in accordance with the 2007 California Building Standards Code (CBSC), also known as Title 24, California Code of Regulations, which encompasses the California Building Code (CBC), California Building Standards Administrative Code, California Electrical Code, California Mechanical Code, California Plumbing Code, California Energy Code, California Fire Code, California Code for Building Conservation, California Reference Standards Code, and all other applicable engineering LORS in effect at the time initial design plans are submitted to the CBO for review and approval (the CBSC in effect is the edition that has been adopted by the California Building Standards Commission and published at least 180 days previously).	Submit to the CEC CPM a statement of verification signed by responsible design engineer attesting that all design, construction, installation and inspection requirements of the applicable LORS and CEC Final Decision has been met in the area of facility design.	Within 30 days following receipt of Certificate of Occupancy	TBD	EPC						KPE SENT SPECS. FOR GEO TO CBO ON 8/30/10
				GEN-01b	CONS	Ensure that all the provisions of the above applicable codes are enforced during the construction, addition, alteration, moving, demolition, repair, or maintenance of the completed facility. All transmission facilities (lines, switchyards, switching stations and substations) are covered in the conditions of certification in the Transmission System Engineering section of this document. Ensure that all contracts with contractors, subcontractors, and suppliers clearly specify that all work performed and materials supplied comply with the codes listed above.	In the event that the initial engineering designs are submitted to the CBO when the successor to the 2007 CBSC is in effect, the 2007 CBSC provisions shall be replaced with the applicable successor provisions. Where, in any specific case, different sections of the code specify different materials, methods of construction or other requirements, the most restrictive shall govern. Where there is a conflict between a general requirement and a specific requirement, the specific requirement shall govern.	Within 30 days following receipt of Certificate of Occupancy	TBD	EPC						
				GEN-01c	CONS	Final Certificate of Occupancy	Provide the CPM a copy of the Final Certificate of Occupancy from the CBO.	Within 30 days after receipt from the CBO	TBD	EPC						
				GEN-01d	CONS	Once the certificate of occupancy has been issued, inform the CPM of any construction, addition, alterations, moving, demolition, repair, or maintenance to be performed on any portions of the completed facility for the purpose of complying with the above stated codes. The CPM will then determine if the CBO needs to approve the work.	Submit required info to the CPM.	At least 30 days prior to such work	TBD	EPC						
				GEN-03	CONS	Make payments to the CBO for design review, plan check and construction inspections based upon a reasonable fee schedule to be negotiated between the project owner and the CBO. These fees may be consistent with the fees listed in the 2007 CBC, adjusted for inflation and other appropriate adjustments; may be based on the value of the facilities reviewed; may be based on hourly rates; or may be otherwise agreed upon by the project owner and the CBO.	Send copy of CBO's receipt of payment to CPM in next MCR indicating applicable fees have been paid.	Include in MCR	12/28/10	Owner						
				GEN-05c	CONS	If any one of the designated responsible engineers is subsequently reassigned or replaced, the project owner shall submit the name, qualifications and registration number of the newly assigned responsible engineer to the CBO for review and approval. The project owner shall notify the CPM of the CBO's approval of the new engineer.	Submit the resume and registration number of the newly assigned engineer to the CBO for review and approval.	Within 5 days of reassignment or replacement	As required	EPC						
				GEN-05d	CONS	The project owner shall notify the CPM of the CBO's approval of the new engineer.	Submit the required documentation to the CPM.	Within 5 days of the approval	As required	EPC						
				GEN-06a	CONS	Assign to the project, qualified and certified special inspector(s) who shall be responsible for the special inspections required by the 2007 CBC. All transmission facilities (lines, switchyards, switching stations, and substations) are handled in conditions of certification in the Transmission System Engineering condition. A certified weld inspector, certified by the American Welding Society (AWS), and/or American Society of Mechanical Engineers (ASME) as applicable, shall inspect welding performed on-site requiring special inspection (including structural, piping, tanks and pressure vessels).	Submit to the CBO for review and approval, with a copy to the CPM, the name(s) and qualifications of the certified weld inspector(s), or other certified special inspector(s) assigned to the project to perform one or more of the duties listed in the Condition.	At least 15 days prior to start of an activity requiring special inspection	5/17/11	EPC						

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				GEN-06b	CONS	Submit to the CPM a copy of the CBO's approval of the qualifications of all special Inspectors in the next MCR.	Include the required documentation as part of the MCR.	Include in MCR	12/28/10	EPC					
				GEN-06c	CONS	If the special inspector is subsequently reassigned or replaced, submit the name and qualifications of the newly assigned special inspector to the CBO for approval.	Submit the required information for the new special inspector to the CBO for approval.	Within 5 days of reassignment or replacement	As required	EPC					
				GEN-06d	CONS	The project owner shall notify the CPM of the CBO's approval of the newly assigned inspector within five days of the approval.	Submit the required documentation to the CPM.	Within 5 days of the approval	As required	EPC					
				GEN-07	CONS	If any discrepancy in design and/or construction is discovered in any engineering work that has undergone CBO design review and approval, document the discrepancy and recommend required corrective actions. The discrepancy documentation shall be submitted to the CBO for review and approval. The discrepancy documentation shall reference this condition of certification and, if appropriate, applicable sections of the CBC and/or LORS.	Transmit a copy of the CBO's approval of any corrective action taken to resolve a discrepancy to the CPM in the next MCR. If any corrective action is disapproved, the project owner shall advise the CPM, within five days, of the reason for disapproval and the revised corrective action to obtain CBO's approval.	Include in MCR	12/28/10	EPC		11/28/10	12/18/10		
				GEN-08a	CONS	Obtain the CBO's final approval of all completed work that has undergone CBO design review and approval. Request the CBO to inspect the completed structure and review the submitted documents. Notify the CPM after obtaining the CBO's final approval. Retain one set of approved engineering plans, specifications, and calculations (including all approved changes) at the project site or at another accessible location during the operating life of the project. Electronic copies of the approved plans, specifications, calculations, and marked-up as-builts shall be provided to the CBO for retention by the CPM.	Submit to the CBO, with a copy to the CPM, in the next MCR, (a) a written notice that the completed work is ready for final inspection, and (b) a signed statement that the work conforms to the final approved plans. After storing the final approved engineering plans, specifications, and calculations described above, submit to the CPM a letter stating both that the above documents have been stored and the storage location of those documents.	Include in MCR within 15 days of completion of any work	12/28/10	EPC		11/28/10	12/18/10		
				GEN-08b	CONS	Owner shall provide to CBO three (3) sets of electronic copies of the documents listed in condition at owner's expense. These are to be provided in the form of "read-only" (Adobe.pdf 6.0) files, with restricted (password-protected) printing privileges, on archive quality compact discs.	Provide 3 CD's per condition requirements to CBO.	Within 90 days of completion of construction	1/28/14	EPC		TBD	TBD		
				GEO-01	CONS	The Soils Engineering Report required by Section 1802A of the 2007 CBC should specifically include laboratory test data, associated geotechnical engineering analyses, and a thorough discussion of corrosive soils, hydro compaction or dynamic compaction; and the presence of expansive clay soils. The report should also include recommendations for ground improvement and/or foundation systems necessary to mitigate these potential geologic hazards, if present.	Include in the application for a grading permit a copy of the Soils Engineering Report which addresses the potential for liquefaction; settlement due to compressible soils, ground water withdrawal, hydro compaction, or dynamic compaction; and the possible presence of expansive clay soils, and a summary of how the results of the analyses were incorporated into the project foundation and grading plan design for review and comment by the Chief Building Official (CBO). A copy of the Soils Engineering Report, application for grading permit and any comments by the CBO are to be provided to the CPM.	At least 30 days prior to grading	3/2/11	EPC		11/2/10	10/19/10		
				HAZ-02a	CONS	Provide a Hazardous Materials Business Plan (HMBP), a Spill Prevention, Control, and Countermeasure Plan (SPCC), and a Process Safety Management Plan (PSMP) to the Riverside County Environmental Health Department (RCEHD), the Riverside County Fire Department (RCFD), and the CPM for review.	Concurrently provide a copy of the Hazardous Materials Business Plan, a Spill Prevention, Control, and Countermeasure Plan, and a Process Safety Management Plan to the RCEHD, RCFD, and CPM for review.	At least 60 days prior to receiving any hazardous material on site for commissioning or operations	2/23/12	AECOM		12/25/11	1/24/12		
				HAZ-02b	CONS	After receiving comments from the RCEHD, the RCFD, and the CPM, revise the plan to reflect all recommendations in the final documents. Copies of the final HMBP shall then be provided to the RCEHD for information and to the CPM for approval.	Provide a final copy of each plan to the CPM for approval.	At least 60 days prior to receiving any hazardous material on site for commissioning or operations	8/18/11	AECOM		6/19/11	7/19/11		
				HAZ-03	CONS	Develop and implement a Safety Management Plan for the delivery and handling of liquid hazardous materials. The plan shall include procedures, protective equipment requirements, training and a checklist. It shall also include a section describing all measures to be implemented to prevent mixing of incompatible hazardous materials. This plan shall be applicable during construction, commissioning, and operation of the power plant.	Provide a Safety Management Plan as described in the condition to the CPM for review and approval.	At least 60 days prior to the delivery of any liquid hazardous material	2/23/12	EPC		12/25/11	1/24/12		
				HAZ-04	CONS	Place an adequate number of isolation valves in the Heat Transfer Fluid (HTF) pipe loops so as to be able to isolate a solar panel loop in the event of a leak of fluid such that the volume of a total loss of HTF from that isolated loop will not exceed 1,250 gallons. These valves shall be actuated manually, remotely, or automatically. The engineering design drawings showing the number, location, and type of isolation valves.	Provide the design drawings as described in the condition to the CPM for review and approval.	At least 30 days prior to the commencement of solar array piping construction	5/28/11	EPC		3/29/11	4/28/11		
				HAZ-06a	CONS	Prepare a site-specific security plan for the commissioning and operation phases construction phase which addresses the Items 1-10 specified in the condition.	Notify the CPM that a site-specific construction security plan is available for review and approval.	At least 30 days prior to the initial receipt of hazardous materials on site	3/24/12	EPC		1/24/12	2/23/12		

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				MECH-01a	CONS	MAJOR PIPING & PLUMBING SYSTEMS: Submit, for CBO design review and approval, the proposed final design, specifications and calculations for each plant major piping and plumbing system listed in Facility Design Table 1, condition of certification GEN-2, above. Physical layout drawings and drawings not related to code compliance and life safety need not be submitted. The submittal shall also include the applicable QA/QC procedures. The responsible mechanical engineer shall stamp and sign all plans, drawings, and calculations for the major piping and plumbing systems, subject to CBO design review and approval, and submit a signed statement to the CBO when the proposed piping and plumbing systems have been designed, fabricated, and installed in accordance with all of the applicable laws, ordinances, regulations and industry standards.	Submit to the CBO for design review and approval the final plans, specifications, and calculations, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with applicable LORS.	At least 30 days prior to the start of any piping or plumbing construction	7/6/11	EPC		5/7/11	6/6/11		
				MECH-01b	CONS	Send the CPM a copy of the transmittal letter in the next monthly compliance report.	Provide the required written documentation to the CPM.	Include in MCR	12/28/10	EPC		11/28/10	12/18/10		
				MECH-01c	CONS	Upon completion of construction of any such major piping or plumbing system, the project owner shall request the CBO's inspection approval of that construction.	Transmit to the CPM, in the monthly compliance report following completion of any inspection, a copy of the transmittal letter conveying the CBO's inspection approvals.	Include in MCR	12/28/10	EPC		11/28/10	12/18/10		
				MECH-02	CONS	PRESSURE VESSELS: For all pressure vessels installed in the plant, submit to the CBO and California Occupational Safety and Health Administration (Cal-OSHA), prior to operation, the code certification papers and other documents required by applicable LORS. Upon completion of the installation of any pressure vessel, the project owner shall request the appropriate CBO and/or Cal-OSHA inspection of that installation. The project owner shall: 1. Ensure that all boilers and fired and unfired pressure vessels are designed, fabricated, and installed in accordance with the appropriate section of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, or other applicable code. Vendor certification, with identification of applicable code, shall be submitted for prefabricated vessels and tanks; and 2. Have the responsible design engineer submit a statement to the CBO that the proposed final design plans, specifications, and calculations conform to all of the requirements set forth in the appropriate ASME Boiler and Pressure Vessel Code or other applicable codes.	Submit to the CBO for design review and approval, the above listed documents, including a copy of the signed and stamped engineer's certification, with a copy of the transmittal letter to the CPM. Also transmit to the CPM, in the MCR following completion of any inspection, a copy of the transmittal letter conveying the CBO's and/or Cal-OSHA inspection approvals.	At least 30 days (or project owner- and CBO approved alternative time frame) prior to start of onsite fabrication or installation of any pressure vessel	As required	EPC		As required	As required		
				MECH-03	CONS	Submit to the CBO for design review and approval the design plans, specifications, calculations, and quality control procedures for any heating, ventilating, air conditioning (HVAC) or refrigeration system. Packaged HVAC systems, where used, shall be identified with the appropriate manufacturer's data sheets. Design and install all HVAC and refrigeration systems within buildings and related structures in accordance with the CBC and other applicable codes. Upon completion of any increment of construction, the project owner shall request the CBO's inspection and approval of that construction. The final plans, specifications and calculations shall include approved criteria, assumptions, and methods used to develop the design. In addition, the responsible mechanical engineer shall sign and stamp all plans, drawings and calculations and submit a signed statement to the CBO that the proposed final design plans, specifications and calculations conform with the applicable LORS.	Submit to the CBO the required HVAC and refrigeration calculations, plans, and specifications, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with the CBC and other applicable codes, with a copy of the transmittal letter to the CPM.	At least 30 days prior to start of construction of any HVAC or refrigeration system	5/28/11	EPC		3/29/11	4/28/11		
				NOISE-01b	CONS	The telephone number shall be posted at the project site during construction in a manner visible to passersby and maintained until project has been operational for one year.	Install the sign at the project site entrance road.	Upon receipt of CEC and BLM NTP letters	11/1/10	EPC		9/2/10	10/2/10		APPROVED BY CEC ON 12/3/10
	x			NOISE-01c	CONS	Notify all residents within one mile of the transmission line, by mail or other effective means, of the commencement of project construction. Establish a telephone number for use by the public to report any undesirable noise conditions associated with the construction and operation of the project and include that telephone number in the above notice.	Transmit to the CPM a statement, signed by the project owner's project manager, stating that the above notification has been performed and describing the method of that notification, verifying that the telephone number has been established and posted at the site, and giving that telephone number.	At least 15 days prior to the start of ground disturbance associated with the t-line	8/31/11	Owner		7/2/11	8/1/11		
				NOISE-02a	CONS	Throughout the construction of the project, document, investigate, evaluate, and attempt to resolve all project-related noise complaints. If a complaint is made, use the Noise Complaint Resolution Form, or a functionally equivalent procedure acceptable to the CPM, to document and respond to each noise complaint; attempt to contact the person(s) making the noise complaint within 24 hours; conduct an investigation to determine the source of noise in the complaint; if the noise is project related, take all feasible measures to reduce the source of the noise; and submit a report documenting the complaint and actions taken. The report shall include: a complaint summary, including the final results of noise reduction efforts and, if obtainable, a signed statement by the complainant stating that the noise problem has been resolved to the complainant's satisfaction.	File a Noise Complaint Resolution Form with the City and the CPM documenting resolution of the complaint. If mitigation is required to resolve the complaint, and the complaint is not resolved within a three-day period, the project owner shall submit an updated Noise Complaint Resolution Form when the mitigation is performed and complete.	Within 5 days of receiving a noise complaint	As required	EPC		As required	As required		
				NOISE-04a	CONS	The project design and implementation shall include appropriate noise mitigation measures adequate to ensure that the operation of the project will not cause the noise levels due to plant operation alone, during the daytime hours of 7 a.m. to 10 p.m. to exceed an average of 49 dBA leq measured at or near monitoring location LT.	Conduct a 25-hour community noise survey at monitoring location LT, or at a closer location acceptable to the CPM. This survey shall also include measurement of one-third octave band sound pressure levels to ensure that no new pure-tone noise components have been caused by the project.	within 30 days of the project first achieving a sustained output of 85% or greater of rated capacity	11/29/13	EPC		10/30/13	11/14/13		
				NOISE-04b	CONS	If the results from the noise survey indicate that the power plant noise at the affected receptor site exceeds the above value during the above time period, mitigation measures shall be implemented to reduce noise to a level of compliance with this limit.	Submit a summary report of the new survey to the CEC CPM, performed as described above and showing compliance with this condition. Included in the survey report will be a description of any additional mitigation measures necessary to achieve compliance with the above listed noise limit, and a schedule, subject to CPM approval, for implementing these measures.	Within 15 days of completion of the survey	12/29/13	EPC		11/29/13	12/14/13		

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				NOISE-04d	CONS	If the results from the noise survey indicate that pure tones are present, mitigation measures shall be implemented to eliminate the pure tones.	Repeat the survey and submit a summary report of the new noise survey.	Within 15 days of completion of the new survey	As required	EPC		As required	As required		
				NOISE-06	CONS	Heavy equipment operation and noisy construction work relating to any project features within 1/4 mile of an existing residence shall be restricted to the following times, unless a special permit has been issued by the County of Riverside: Mondays through Fridays, June through September: 6 a.m. to 7 p.m. October through May: 6 a.m. to 6 p.m. Saturdays: 9 a.m. to 5 p.m. Sundays and Federal holidays: No Construction Allowed	Haul trucks and other engine-powered equipment shall be equipped with adequate mufflers. Haul trucks shall be operated in accordance with posted speed limits. Truck engine exhaust brake use shall be limited to emergencies. Prior to ground disturbance, submit a statement acknowledging that the above restrictions will be observed throughout the construction of the project to the CPM.	Ongoing during construction	4/1/11	Owner		1/31/11	3/2/11		
				NOISE-07	CONS	If a traditional, high-pressure steam blow process is used, equip the steam blow piping with a temporary silencer that quiets the noise of steam blows to no greater than 89 dBA measured at a distance of 100 feet. The steam blows shall be conducted between 8:00 a.m. and 5:00 p.m. unless arranged with the CPM such that offsite impacts would not cause annoyance to receptors. If a low-pressure, continuous steam blow process is used, the project owner shall submit to the CPM a description of the process, with expected noise levels and planned hours of steam blow operation.	Notify all residents or business owners within one mile of the project site boundary. The notification may be in the form of letters, phone calls, fliers, or other effective means as approved by the CPM. The notification shall include a description of the purpose and nature of the steam blow(s), the planned schedule, expected sound levels, and explanation that it is a one-time activity and not part of normal plant operation.	At least 15 days prior to the first steam blow	6/16/13	EPC		4/17/13	5/17/13		
				OVH-2 BLM	CONS	The BLM may require the Applicant, in consultation with the BLM, to reestablish north/south OHV connectivity to the west side of the Big Maria Wilderness Area and to the northeast side of the Palen/McCoy Wilderness Area.	Conduct the required NEPA evaluation for a new route. BLM will monitor access to routes/property once we start construction. They will deal with us if anyone is impacted/complains, but will not require we do anything before the start of construction.	As required	As required	Owner					
				PAL-01c	CONS	If additional monitors are obtained during the project, the PRS shall provide additional letters and resumes to the CPM. The letter shall be provided to the CPM. Prior to the termination or release of a PRS, Owner shall submit the resume of the proposed new PRS to the CPM for review and approval.	As necessary	no later than one week prior to the monitor's beginning onsite duties	As required	AECOM		As required	As required		
				PAL-02b	CONS	If there are changes to the footprint of the project, revised maps and drawings shall be provided to the PRS and CPM.	Provide revised maps and drawings to PRS & CPM	at least 15 days prior to the start of ground disturbance	11/7/10	AECOM		9/23/10	10/8/10		
				PAL-02c	CONS	If construction of the project proceeds in phases, maps and drawings may be submitted prior to the start of each phase.	A letter identifying the proposed schedule of each project phase shall be provided to the PRS and CPM.	within 5 days of identifying the changes	As required	AECOM		As required	As required		
				PAL-02d	CONS	Before work commences on affected phases, the project Owner shall notify the PRS and CPM of any construction phase scheduling changes. At a minimum, the project Owner shall ensure that the PRS or PRM consults weekly with the project superintendent or construction field manager to confirm area(s) to be worked the following week and until ground disturbance is completed.	If there are changes to the scheduling of the construction phases, Owner shall submit a letter to the CPM.	within 5 days of identifying the changes	As required	AECOM		As required	As required		
				PAL-04b	CONS	If the Owner requests an alternate paleontologic trainer, the resume and qualifications of the trainer shall be submitted to CPM. Alternate trainers shall not conduct training prior to CPM authorization.	Submit resume and quals to the CPM for review and approval prior to installation of an alternate trainer.	As required	As required	AECOM		As required	As required		
				PAL-04c	CONS	Provide copies of the WEAP certification of completion forms with the names of those trained and the trainer or type of training (in-person or other approved format) offered that month. The MCR shall also include a running total of all persons who have completed the training to date.	Include the information in the MCR	Include in MCR	12/28/10	AECOM		11/28/10	12/18/10		
				PAL-05a	CONS	Ensure that the PRS and PRM(s) monitor consistent with the PRMMP all construction-related grading, excavation, trenching, and auguring in areas where potentially fossil-bearing materials have been identified, both at the site and along the linear facilities. Ensure that the PRS and PRM(s) have the authority to halt or redirect construction if paleontologic resources are encountered. Ensure that there is no interference with monitoring activities unless directed by the PRS. Monitoring activities shall be conducted as set forth in Items 1-4 of the condition.	Paleo monitors shall provide monthly summaries that address the information requirements specified in the condition for inclusion in MCR.	Include in MCR	12/28/10	AECOM		11/28/10	12/18/10		
				PAL-05b	CONS	When feasible, the CPM shall be notified 10 days in advance of any proposed changes in monitoring different from the plan identified in the PRMMP. If there is any unforeseen change in monitoring, the notice shall be given as soon as possible prior to implementation of the change.	Notify CPM of modification as soon as possible.	10 days in advance of proposed monitoring changes	As required	AECOM		As required	As required		
				PAL-05c	CONS	For any significant paleontologic resources encountered, either the project Owner or the PRS shall notify the CPM within 24 hours, or Monday morning in the case of a weekend event, where construction has been halted because of a paleontologic find.	PRS to notify CPM, and SMLLC Compliance.	Within 24 hours of paleo find	As required	AECOM		As required	As required		
				PAL-06a	CONS	Ensure that all components of the PRMMP are adequately performed including collection of fossil materials, preparation of fossil materials for analysis, analysis of fossils, identification and inventory of fossils, the preparation of fossils for curation, and the delivery for curation of all significant paleontologic resource materials encountered and collected during project construction.	Maintain in his/her compliance file copies of signed contracts or agreements with the designated PRS and other qualified research specialists. Maintain these files for a period of three years after project completion and approval of the CPM-approved paleontologic resource report (see Condition of Certification PAL-7)	Include in MCR	12/28/10	AECOM		11/28/10	12/18/10		
				PAL-06b	CONS	The project owner shall be responsible for paying any curation fees charged by the museum for fossils collected and curated as a result of paleontologic mitigation.	A copy of the letter of transmittal submitting the fossils to the curating institution shall be provided to the CPM.	As required	As required	AECOM		As required	As required		
				PAL-07	CONS	Ensure preparation of a Paleontologic Resources Report (PRR) by the designated PRS. The PRR shall be prepared following completion of the ground-disturbing activities. The PRR shall include an analysis of the collected fossil materials and related information. The report shall include, but is not limited to, a description and inventory of recovered fossil materials; a map showing the location of paleontologic resources encountered; determinations of sensitivity and significance; and a statement by the PRS that project impacts to paleontologic resources have been mitigated below the level of significance.	Submit the PRR under confidential cover to the CPM.	Within 90 days after completion of ground-disturbing activities, including landscaping	1/28/14	AECOM		11/29/13	12/29/13		

EW	1a	1b	2	Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Resp. Party	Support Entity	Internal Start Date	Date Due to SM Compliance	Date sent to CEC, CBO or agency	Status/Notes
				PH-01	CONS	Develop and Implement a Cooling Water Management Plan to ensure that the potential for bacterial growth in all four wet cooling towers is kept to a minimum. The Plan shall be consistent with either staff's —Cooling Water Management Program Guidelines   or with the Cooling Technology Institute's —Best Practices for Control of Legionella   guidelines but in either case, the Plan must include sampling and testing for the presence of Legionella bacteria at least every six months. After two years of power plant operations, the Project owner may ask the CPM to re-evaluate and revise the Legionella bacteria testing requirement.	Submit the Cooling Water Management Plan to the CPM for review and approval.	At least 60 days prior to the commencement of cooling tower operations	11/11/12	AECOM		9/12/12	10/12/12		
				S&W-01b	CONS	Provide a narrative on the effectiveness of the DESCOP measures and the results of monitoring and maintenance activities.	Submit the required documentation as part of the MCR.	Include in MCR	12/28/10	KPE		10/29/10	11/28/10		
				S&W-02b	CONS	The Project owner shall implement the activities reviewed and approved in the Water Supply Plan in accordance with the agreed upon schedule in the Water Supply Plan.	If agreement with the CPM on identification or implementation of offset activities cannot be achieved the Project owner shall immediately halt construction or operation until the agreed upon activities can be identified and implemented.	As required		AECOM		As required	As required		
				S&W-03a(2)	CONS	Ensure that the 10 wells are completed in accordance with all applicable state and local water well construction permits and requirements. Prior to initiation of well construction activities, submit for review and comment a well construction packet to the County of Riverside and fees normally required for the county's well permit, with copies to the CPM. The Project shall not construct a well or extract and use groundwater until an approval has been issued by the CPM to construct and operate the well. Wells permitted and installed as part of pre-construction field investigations that subsequently are planned for use as project water supply wells require CPM approval prior to their use to supply water to the project.	Submit for review and comment a well construction packet to the County of Riverside and fees normally required for the county's well permit, with copies to the CPM.	No later than 60 days prior to the construction of the onsite groundwater production wells	4/2/11	AECOM	EPC				
				S&W-03b	CONS	Submit a copy of written concurrence received from the County of Riverside that the proposed well construction activities comply with all county well requirements and meet the requirements established by the county's water well permit program.	Submit the required documentation to the CPM. The CPM will provide approval of the well location and operation within 10 days of receipt of the County's concurrence with the proposed well construction activities.	No later than 30 days prior to the construction of the onsite groundwater production wells	9/1/10	AECOM		7/3/10	8/2/10		Need to Identify next date
				S&W-03c	CONS	Ensure that the well driller submits a Well Completion Report to the DWR with 2 copies provided to the CPM. The project owner shall submit to the CPM together with the Well Completion Report a copy of well drilling logs, water quality analyses, and any inspection reports.	Submit the required documentation to the CEC.	No later than 60 days after installation of each well at the Project site	12/1/10	AECOM		10/2/10	11/1/10	10/22/2010	Pending CEC Approval
				S&W-03d	CONS	Submit documentation to the CPM, and the CRBRWQCB that well drilling activities were conducted in compliance with Title 23, California Code of Regulations, Chapter 15, Discharges of Hazardous Wastes to Land, (23 CCR, sections 2510 et seq.) requirements and that any onsite drilling sumps used for Project drilling activities were removed in compliance with 23 CCR section 2511(f).	Submit the required documentation to the CEC, BLM, and RWQCB.	No later than 60 days after installation of each well at the Project site	12/1/10	AECOM		10/2/10	11/1/10		
				S&W-03e	CONS	During well construction and for the operational life of the well, submit two copies to the CPM of any proposed well construction or operation permit changes within 10 days of submittal to or receipt from the County of Riverside.	Submit the required documentation to the CEC.	Ongoing during construction	As required	AECOM		As required	As required		
				S&W-04a(2)	CONS	The proposed Project's use of groundwater during construction shall not exceed 4,100 af during the 69 months of construction and an annual average of 600 afy during operation. Water quality used for project construction and operation will be reported in accordance with Condition of Certification SOIL&WATER-18 as applicable to ensure compliance with this condition.	Submit to the CPM a photo of evidence that metering devices have been installed and are operational. <b>THIS MUST BE DONE FOR ALL 10 WELLS.</b>	Immediately after installation	3/25/11	EPC					Approved by the CEC on 12/10/10
				S&W-04b	CONS	Prepare a semi-annual summary of amount of water used for construction purposes. The summary shall include the monthly range and monthly average of daily water usage in gallons per day.	Submit the required documentation to the CPM.	Beginning six months after the start of construction	11/28/11	EPC		9/29/11	10/29/11		
				S&W-05h	CONS	Collect water levels on a quarterly basis throughout the construction period and at the end of the construction period. Perform statistical trend analysis for water levels using the Mann-Kendall test (or other CEC-approved statistical analysis method). Assess the significance of an apparent trend and estimate the magnitude of that trend.	During Project construction, the project owner shall submit to the CPM quarterly reports presenting all the data and information required in Item B in the condition. The project owner shall also submit to the CPM all calculations and assumptions made in development of the report data and interpretations.	30 days following the end of the quarter, during construction	4/30/11	AECOM		3/1/11	3/31/11		
				S&W-05m	CONS	a. If Project pumping has lowered water levels by 5 (five) feet or more and increased pumping lifts, increased energy costs shall be calculated. Payment or reimbursement for the increased costs shall be provided on an annual basis. In the absence of specific electrical use data supplied by the well owner, the project owner shall use SOIL&WATER-6 to calculate increased energy costs.	Submit to the CPM, applicable quarterly, semi-annual and annual reports presenting all the data and information required in Item C in the condition. (The fourth quarter report shall serve as the annual report and will be provided on January 31 in the following year.)	30 days following the end of the quarter	4/30/11	Owner		3/1/11	3/31/11		
				S&W-07b	CONS	The project owner shall pay the annual waste discharge permit fee associated with this facility to the Water Boards. In addition, the Water Boards may "prescribe" these requirements as waste discharge requirements pursuant to Water Code Section 13263 solely for the purposes of enforcement, monitoring, inspection, and the assessment of annual fees, consistent with Public Resources Code Section 25531, subdivision (c).	Any changes to the design, construction, or operation of the evaporation basins, treatment units, or storm water system shall be requested in writing to the CPM, with copies to the CRBRWQCB, and approved by the CPM, in consultation with the CRBRWQCB, prior to initiation of any changes. The project owner shall provide to the CPM, with copies to the CRBRWQCB, all monitoring reports required by the WDRs, and fully explain any violations, exceedances, enforcement actions, or corrective actions related to construction or operation of the evaporation basins, treatment units, or	No later than 60 days prior to any wastewater or storm water discharge or use of land treatment units	Ongoing	AECOM to write the plan; KPE to implement		As required	As required		
				S&W-15a	CONS	Coordinating with the CPM, develop a Channel Maintenance Program that provides long-term guidance to implement routine channel maintenance projects and comply with conditions of certification in a feasible and environmentally-sensitive manner. The Channel Maintenance Program will be a process and policy document prepared by the Project owner, reviewed by the CPM. The Channel Maintenance Program shall include the specific information set forth in	Submit two copies of the programmatic documentation, describing the proposed Channel Maintenance Program, to the CPM for review and approval. The Project owner shall carry out the specific tasks set forth in the verification language of the condition.	At least 60 days prior to the start of any project-related site disturbance activities (excluding linear construction)	12/1/10	EPC	AECOM				CEC agreed to make CONS, but need to provide BMPs for dust control.

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				S&W-15b	CONS	The project owner shall supervise the implementation of a Channel Maintenance Program in accordance with conditions of certification.	Provide written notification that they plan to adopt and implement the measures identified in the approved Channel Maintenance Program.	At least 60 days prior to the start of any project-related site disturbance activities (excluding linear construction)	12/1/10	Owner	NICOLE	10/2/10	11/1/10		
				S&W-15c	CONS	The project owner shall ensure the Project Construction and Operation Managers receive training on the Channel Maintenance Program	Provide written notification that they plan to adopt and implement the measures identified in the approved Channel Maintenance Program.	At least 60 days prior to the start of any project-related site disturbance activities (excluding linear construction)	12/1/10	Owner	NICOLE	10/2/10	11/1/10		
				S&W-18 BLM	CONS	The proposed evaporation ponds shall be sized so as to maintain no less than one foot of freeboard during storm conditions. Specifically, the ponds shall be sized to accommodate operational discharges plus a 25-year storm event, with no less than one foot of freeboard.	Submit design criteria as required?	???	???	KPE					Is this the current design? If not, amendment could be required. BLM to finalize condition.
				S&W-18a	CONS	The Project is subject to the requirement of Title 22, Article 3, Sections 64400.80 through 64445 for a non-transient, non-community water system (serving 25 people or more for more than six months). In addition, the system shall require periodic monitoring for various bacteriological, inorganic and organic constituents.	Submit the equivalent County of Riverside requirements to operate a non-transient, non-community water system. The requirements will be in accordance with the County of Riverside requirements for a non-transient, noncommunity water system. In addition, the Project Owner shall submit to the CPM a monitoring and reporting plan for production wells operated as part of the domestic water supply system prior to plant operations. The plan shall include reporting requirements including monthly, quarterly and annual submissions.	at least 60 days prior to commencement of operations at the site	8/31/13	EPC implementing	AECOM drafting	7/2/13	8/1/13		
				STRUC-01a	CONS	Prior to the start of any increment of construction of any major structure or component listed in Facility Design Table 1 of condition of certification GEN- 2, submit to the CBO for design review and approval the proposed lateral force procedures for project structures and the applicable designs, plans and drawings for project structures. Proposed lateral force procedures, designs, plans and drawings shall be those for the items listed in the condition 1-3.	Submit to the CBO the above final design plans, specifications and calculations, with a copy of the transmittal letter to the CPM.	At least 60 days prior to start of any increment of construction of any structure or component listed in Facility Design Table 2 of GEN-2	4/28/11	EPC		2/27/11	3/29/11		
				STRUC-01b	CONS	Submit to the CPM a copy of a statement from the CBO that the proposed structural plans, specifications, and calculations have been approved and comply with the requirements set forth in applicable engineering LORS	Submit required info to the CPM.	Include in MCR	12/28/10	EPC		11/28/10	12/18/10		
				STRUC-02	CONS	Submit to the CBO the required number of sets of the documents related to work that has undergone CBO design review and approval related to concrete cylinder strength test reports, concrete pour sign-off sheets, bolt torque and field weld inspection reports, and other reports covering structural activities requiring special inspections in accordance with CBC 2007.	If discrepancies are found, within 5 days the Project Owner shall prepare and submit an NCR to the CBO with a copy of the transmittal letter to the CPM. The NCR shall reference the condition(s) of certification and the applicable CBC chapter and section. Within 5 days of resolution, the Project Owner shall submit a copy of the correction action to the CBO and CPM. The CBO's approval or disapproval shall be submitted to the CPM within 15 days.	As required	As required	EPC		As required	As required		
				STRUC-03	CONS	Submit to the CBO design changes to the final plans required by the 2007 CBC, including the revised drawings, specifications, calculations, and a complete description of, and supporting rationale for, the proposed changes, and shall give to the CBO prior notice of the intended filing.	Notify the CBO of the intended filing of design changes and submit the required number of sets of revised drawings and the required number of copies of the other above-mentioned documents to the CBO, with a copy of the transmittal letter to the CPM, and notify the CPM in the MCR of the CBO's approval of the revised plans.	Include in MCR	12/28/10	EPC		11/28/10	12/18/10		
				STRUC-04a	CONS	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts specified in the 2007 CBC shall, at a minimum, be designed to comply with the requirements of that chapter.	Submit to the CBO for design review and approval the final plans, specs, and calcs, including a copy of the signed and stamped engineer's certification.	At least 30 days or CBO approved time frame prior to the start of installation of the tanks or vessels	5/5/12	EPC		3/6/12	4/5/12		
				STRUC-04b	CONS	Send copies of the CBO approvals of plan checks to the CPM.	Submit a copy of the CBO's inspection approvals to the CPM in the MCR following completion of any inspection.	Include in MCR	12/28/10	EPC		10/29/10	11/28/10		
				TLSN-01	CONS	Construct the proposed transmission line according to the requirements of CPUC's GO-95, GO-52, GO-131-D, Title 8, and Group 2. High Voltage Electrical Safety Orders, sections C171 2700 through 2974 of the California Code of Regulations, and Southern California Edison's EMF reduction guidelines. The Project will follow Southern California Edison's EMF design guidelines for the design and construction of the 230kV interconnection line except where it conflicts with FAA and/or RCALUC rules and regulations.	Submit to the CPM a letter signed by a California registered electrical engineer affirming that the lines will be constructed according to the requirements stated in the condition.	At least 30 days before starting construction of the t-line or related structures and facilities	11/16/10	Owner		9/17/10	10/17/10		
				TLSN-03a	CONS	Use a qualified individual to measure the strengths of the electric and magnetic fields from the line at the points of maximum intensity along the route for which the applicant provided specific estimates.	Take measurements before energization according to the American National Standard Institute/Institute of Electrical and Electronic Engineers (ANSI/IEEE) standard procedures.	Before energization	2/13/13	Owner		12/15/12	1/14/13		
				TLSN-03b	CONS	Submit the pre-energization measurements.	Submit the required information to the CPM.	Within 60 days after completion of measurements	4/14/13	Owner		2/13/13	3/15/13		

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				TLSN-03c	CONS	Use a qualified individual to measure the strengths of the electric and magnetic fields from the line at the points of maximum intensity along the route for which the applicant provided specific estimates.	Take measurements after energization according to the American National Standard Institute/Institute of Electrical and Electronic Engineers (ANSI/IEEE) standard procedures.	After energization	5/14/13	Owner		3/15/13	4/14/13		
				TLSN-03d	CONS	Submit the post-energization measurements.	Submit the required information to the CPM.	Within 60 days after completion of measurements	7/13/13	Owner		5/14/13	6/13/13		
				TLSN-05	CONS	Ensure that all permanent metallic objects within the right-of-way of the project-related lines are grounded according to industry standards regardless of ownership.	Transmit to the CPM a letter confirming compliance with this condition.	At least 30 days before lines are energized	2/13/13	Owner		12/15/12	1/14/13		
				TRANS-03b	CONS	Provide copies of permits obtained from either the County of Riverside and the Caltrans District 8 office to the CPM.	Submit copies of permits received during the reporting period in the MCR. In addition, retain copies of these permits and supporting documentation in its compliance file for at least six months after the start of commercial operation.	Include in MCR	12/28/10	EPC		10/29/10	11/28/10		
				TRANS-04	CONS	Comply with Caltrans and other relevant jurisdictions limitations for encroachment into public rights-of-way and obtain necessary encroachment permits from Caltrans and all relevant jurisdictions.	Submit copies of permits received during the reporting period. In addition, retain copies of these permits and supporting documentation in its compliance file for at least six months after the start of commercial operation.	Include in MCR	12/28/10	EPC		10/29/10	11/28/10		
				TRANS-06	CONS	Ensure that permits and/or licenses are secured from the California Highway Patrol and Caltrans for the transport of hazardous materials.	Include copies of all permits/licenses acquired by the project owner and/or subcontractors concerning the transport of hazardous substances in the MCRs.	Include in MCR	12/28/10	EPC		10/29/10	11/28/10		
				TRANS-07	CONS	Prior to the start of operation, seek and obtain FAA approval to insert comments or notations in the appropriate Aeronautical Charts, Airport/Facilities Directories, and Notice to Airmen (NOTAM) publication, to ensure that pilots are properly notified of the location of BSPP and the possible existence of thermal plumes and glint or glare from the solar arrays.	Owner shall provide documentation that the AFD, NOTAM publication has been modified accordingly.	At least 30 days prior to the start of operation of any phase of the project	9/30/13	Owner		TBD	TBD		
				TRANS-08a	CONS	Prepare an Avigation Easement in accordance with Appendix D of the California Airport Land Use Planning Handbook and have it signed by the BLM.	Owner shall submit a BLM-signed avigation easement to the CPM for review and approval.	At least 60 days prior to the operation of any phase of project	8/31/13	Owner		7/2/13	8/1/13		
				TRANS-08b	CONS	Once approved by the CPM, send the Avigation Easement to the Riverside County Land Use Commission staff for review and recording purposes.	Submit easement to County for review and recording.	Upon approval of BLM avigation easement from CPM	TBD	Owner		TBD	TBD		
				TRANS-08c	CONS	Once recorded with County, send a copy of the recorded document to the CPM.	Submit documentation to CPM.	Upon recording with County	TBD	Owner		TBD	TBD		
				TRANS-09	CONS	To reduce glint and glare from the Project, the Project Owner shall implement the following measures during operation of any Unit: • Ensure the mirrors are (1) brought out of stowage before sunrise and are aligned to catch the first rays of the morning sun; and (2) returned to stow position after sunset. • Mirror function shall be continuously monitored both by operators and by system controls. The field control system shall be designed such that in all cases of a malfunctioning mirror the field control system will automatically turn a malfunctioning mirror east in a manner so that there is no reflection from the sun as the sun continues west. The Project owner shall establish and implement procedures to consistently move mirrors to the east vertical plus 1 degree if looking west and to east stow if looking east. The movement to a non glare position shall take no more than 10 minutes. • To the extent feasible the mirrors in the southern portion of Units 3 and 4 shall not be rotated off axis during daylight hours when the azimuth angle of the sun is east or north of east.	Prepare and submit to the CPM for review and approval a plan describing the measures to be taken to reduce glint and glare. Upon approval, the Project owner shall implement the plan.	No less than 90 days prior to the start of operation of any Unit of the Project	8/1/13	EPC		6/2/13	7/2/13		
				TRANS-10a	CONS	Throughout the construction and operation of the project, the project owner shall document, investigate, evaluate, and attempt to resolve all project-related glare complaints. The project owner or authorized agent shall: • Provide copies of the Glare Complaint Resolution Form (below) to the Blythe Airport operator, along with the toll-free number required pursuant to Condition of Certification COMPLIANCE-9. • Use the Complaint Resolution Form, or functionally equivalent procedure acceptable to the CPM, to document and respond to each complaint. • Attempt to contact the person or persons making the complaint within 24 hours. If not contacted within 24 hours, attempt to contact the person or persons for a reasonable time period, to be determined by the CPM. • Conduct an investigation to determine the source of glare related to the complaint. • If the glare is project related, take all feasible measures to reduce the glare at its source. • As soon as the complaint has been resolved to the complainant's satisfaction, submit to the CPM a report in which the complaint as well as the actions taken to resolve the complaint are documented. The report shall include (1) a complaint	Provide copies of the resolution form to the Blythe Airport Operator, along with the toll-free number required by Condition COM-9.	30 days prior to the start of mirror installation	TBD	EPC		TBD	TBD		
				TRANS-10b	CONS	File with the City of Blythe Development Services Department, the Riverside County Planning Department, the Federal Aviation Administration, the Riverside County Airport Land Use Commission, and the CPM a copy of the Glare Complaint Resolution Form, documenting the resolution of the complaint	Submit required documentation to multiple required agencies.	Within five business days of receiving a glare complaint	As required	Owner		As required	As required		
				TRANS-10c	CONS	If mitigation is required to resolve a complaint and the complaint is not resolved within three business days, submit an updated Glare Complaint Resolution Form when the mitigation is implemented.	Submit required documentation.	As required	As required	Owner		As required	As required		
				TRANS-11a	CONS	Submit a plan identifying measures to be taken to mark and light the lines and poles beneath runway approaches, typical pattern entry corridors, and typical departure routes pursuant to criteria included in FAAC 70/7460-1K. The plan shall identify the number and location of poles that are subject to the criteria and the exact measures to be taken to properly mark and light the poles in conformance with FAAC 70/7460	Provide a construction plan for review and approval.	At least 30 days prior to the start of transmission line mobilization	8/16/11	EPC		6/17/11	7/17/11		

EW	1a	1b	2	Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Resp. Party	Support Entity	Internal Start Date	Date Due to SM Compliance	Date sent to CEC, CBO or agency	Status/Notes
				TRANS-11b	CONS	Once the plan has been approved and implemented, the project owner shall provide documentation showing completion of the transmission line, including the required marking and lighting measures.	Submit required documentation.	Upon completion of transmission line	2/13/13	EPC		12/15/12	1/14/13		
				TSE-01a	CONS	The project owner shall provide the Compliance Project Manager (CPM) and the Chief Building Official (CBO) with a schedule of transmission facility design submittals, a master drawing list, a master specifications list, and a major equipment and structure list. The schedule shall contain both a description and a list of proposed submittal packages for design, calculations, and specifications for major structures and equipment. To facilitate audits by CEC staff, the project owner shall provide designated packages to the CPM when requested.	Submit the schedule, a master drawing list, and a master specifications list to both the CBO and the CPM. The schedule shall contain a description and list of proposed submittal packages for design, calculations, and specifications for major structures and equipment (see a list of major equipment in Table 1: Major Equipment List below).	Prior to the start of the construction of the transmission facilities	8/16/11	Owner		6/17/11	7/17/11		
				TSE-01b	CONS	Additions and deletions shall be made in the Major Equipment List only with both CPM and CBO approval.	The project owner shall provide schedule updates in the MCR	Include in MCR	12/28/10	Owner		10/29/10	11/28/10		
				TSE-02	CONS	Assign an electrical engineer and at least one civil engineer, geotechnical engineer or civil engineer; a design engineer who is either a structural engineer or civil engineer fully competent and proficient in the design of power plant structures and equipment supports; or a mechanical engineer	Submit names, resumes, quals, and registration numbers of all responsible engineers assigned to the project to the CBO for review and approval. (If any are replaced, new resumes must be submitted.) Notify the CPM of the CBO's approvals within 5 days of the approval.	Prior to the start of rough grading of the transmission facilities	8/16/11	Owner		6/17/11	7/17/11		
				TSE-03	CONS	If any discrepancy in design and/or construction is discovered in any engineering work that has undergone CBO design review and approval, document the discrepancy and recommend corrective action (2001 California Building Code, Chapter 1, section 108.4, approval required; Chapter 17, section 1701.3, Duties and Responsibilities of the Special Inspector; Appendix Chapter 33, section 3317.7, Notification of Noncompliance). The discrepancy documentation shall become a controlled document and shall be submitted to the CBO for review and approval and refer to this condition of certification.	Submit a copy of the CBO's approval or disapproval of any corrective action taken to resolve a discrepancy to the CPM. If disapproved, advise the CPM within 5 days the reason for disapproval along with the revised corrective action required to obtain the CBO's approval.	Within 15 days of receipt	As required	Owner		As required	As required		
				TSE-04a	CONS	For the power plant switchyard, outlet line and termination, construction shall not begin until plans for that increment of construction have been approved by the CBO. These plans, together with design changes and design change notices, shall remain on the site for one year after completion of construction	Submit to the CBO for review and approval the final design plans, specifications and calculations.	Prior to start of each increment of construction	8/16/11	Owner		6/17/11	7/17/11		
				TSE-04b	CONS	Request that the CBO inspect the installation to ensure compliance with the requirements of the applicable LORS.	Include a copy of the signed and stamped statement from the responsible electrical engineer verifying compliance with all applicable LORS and copy of transmittal letter in each MCR.	Include in MCR	12/28/10	Owner		10/29/10	11/28/10		
				TSE-04c	CONS	Include the following information in the MCR: a) receipt or delay of major electrical equipment; b) testing or energization of major electrical equipment; and c) the number of electrical drawings approved, submitted for approval, and still to be submitted.	Submit required info as part of MCR	Include in MCR	12/28/10	Owner		10/29/10	11/28/10		
				TSE-05a	CONS	Ensure that the design, construction, and operation of the proposed transmission facilities will conform to all applicable LORS, and the requirements set forth in the Condition, Items a-f.	Submit the design drawings, specs and calcs for poles/towers, foundations, anchor bolts, conductors, grounding systems, and major switchyard equipment and design criteria info, discussion of calculation methods, including a sample calculation based on worst case conditions, and a statement from RE that the transmission element(s) will conform to applicable LORS and code requirements set forth in the Condition.	Prior to the start of the construction of the transmission facilities	8/16/11	Owner					
				TSE-05b	CONS	Submit an electrical one-line diagrams signed and sealed by the registered professional electrical engineer in charge, a route map, and an engineering description of the equipment and configurations covered by requirements TSE-5 a) through f).	Submit the required information to the CBO for approval.	Prior to the start of the construction of the transmission facilities	8/16/11	Owner		6/17/11	7/17/11		
				TSE-05c	CONS	Submit the Special Protection System (SPS) sequencing and timing.	Submit the required information to the CBO for approval and concurrently to the CPM.	Prior to the start of the construction of the transmission facilities	8/16/11	Owner		6/17/11	7/17/11		
				TSE-05d	CONS	Submit a letter stating that the mitigation measures or projects selected by the transmission owners for each reliability criteria violation, for which the project is responsible, are acceptable.	Submit the required information to the CBO for approval.	Prior to the start of the construction of the transmission facilities	8/16/11	Owner		6/17/11	7/17/11		
				TSE-05e	CONS	Submit the final Phase II Interconnection Study, including a description of facility upgrades, operational mitigation measures, and/or special protection system sequencing and timing if applicable	Submit the required information to the CBO for approval.	Prior to the start of the construction of the transmission facilities	8/16/11	Owner		6/17/11	7/17/11		
				TSE-05f	CONS	Submit a copy of the executed LGIA signed by the California ISO and the project owner.	Submit the required information to the CBO for approval.	Prior to the start of the construction of the transmission facilities	8/16/11	Owner		6/17/11	7/17/11		
				TSE-06a	CONS	Provide the California ISO a letter stating the proposed date of synchronization.	Provide copies of the California ISO letter to the CPM when it is sent to the California ISO one week prior to initial synchronization with the grid.	At least one week prior to synchronizing the facility with the grid for testing	3/8/13	Owner		1/7/13	2/6/13		
				TSE-06b	CONS	Provide telephone notification to the California ISO Outage Coordination Department.	Contact the California ISO Outage Coordination Department, Monday through Friday, between the hours of 0700 and 1530 at (916) 351-2300 at least one business day prior to synchronizing the facility with the grid for testing. A report of conversation with the California ISO shall be provided electronically to the CPM one day before synchronizing the facility with the California transmission system for the first time.	At least one business day prior to synchronizing the facility with the grid for testing	3/14/13	Owner		1/13/13	2/12/13		

EW	1a	1b	2	Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Resp. Party	Support Entity	Internal Start Date	Date Due to SM Compliance	Date sent to CEC, CBO or agency	Status/Notes
				TSE-06c	CONS	Contact the CAL ISO and send a report of conversation documenting the conversation; send an electronic copy of the record of conversation to the CPM.	Provide the requested information to the CAL ISO and CPM.	One day before synchronizing the facility with the CA transmission system for the first time	3/14/13	Owner		1/13/13	2/12/13		
				TSE-07	CONS	The project Owner shall be responsible for the inspection of the transmission facilities during and after project construction, and any subsequent CPM and CBO approved changes thereto, to ensure conformance with CPUC GO-9S or NESC, Title 8, CCR, Articles 35, 36 and 37 of the, "High Voltage Electric Safety Orders", applicable interconnection standards, NEC and related industry standards. In case of non-conformance, the project Owner shall inform the CPM and CBO in writing, within 10 days of discovering such nonconformance and describe the corrective actions to be taken.	Transmit the following to the CPM and CBO: 1) as-built engineering descriptions and one-line drawings, signed and sealed by the registered electrical engineer; as-builts of the engineering description of the mechanical, structure, and civil portion of the transmission facilities, signed and sealed by the registered engineer in responsible charge or acceptable alternative verification; 2) "As built" drawings of the electrical, mechanical, structural, and civil portion of the transmission facilities shall be maintained at the power plant and made available, if requested, for CPM audit as set forth in the "Compliance Monitoring Plan"; and 3) a summary of inspections of the completed transmission facilities, and identification of any nonconforming work and corrective actions taken, signed and sealed by the registered engineer in charge.	Within 60 days after first synchronization of the project	5/14/13	Owner		3/15/13	4/14/13		
				VIS-01a	CONS	Treat the surfaces of all project structures and buildings visible to the public such that a) their colors minimize visual intrusion and contrast by blending with (matching) the existing characteristic landscape colors; b) their colors and finishes do not create excessive glare; and c) their colors and finishes are consistent with local policies and ordinances. The transmission line conductors shall be non-specular and non-reflective, and the insulators shall be non-reflective and non-refractive. The treatment plan shall be prepared following in-field consultation with the CEC/BLM Visual Resources specialist and will include the specific items A-E listed in the conditions.	Prepare and submit a Surface Treatment Plan according to the condition requirements to the CPM for review and approval and simultaneously to Riverside County for review and comment. If the CPM determines that the plan requires revision, provide to the CPM a plan with the specified revision(s) for review and approval by the CPM before any treatment is applied. Any modifications to the treatment plan must be submitted to the CPM for review and approval.	At least 90 days prior to specifying to the vendor the colors and finishes of the first structures or buildings that are surface treated during manufacture	3/29/11	EPC		1/28/11	2/27/11		Assembly Hall will be first item installed that requires surface treatment
				VIS-01b	CONS	The project owner shall not specify to the vendors the treatment of any buildings or structures treated during manufacture, or perform the final treatment on any buildings or structures treated in the field, until the project owner receives notification of approval of the treatment plan by the CPM. Subsequent modifications to the treatment plan are prohibited without CPM approval.	Submit the required Surface Treatment Plan to the CPM for review and approval.	At least 90 days prior to specifying to the vendor the colors and finishes of the first structures or buildings that are surface treated during manufacture	6/1/11	EPC		4/2/11	5/2/11		
				VIS-02	CONS	Revegetate disturbed soil areas to the greatest practical extent, as described in Condition of Certification BIO-8. In order to address specifically visual concerns, the required Closure, Revegetation and Rehabilitation Plan shall include reclamation of the area of disturbed soils used for laydown, project construction, and siting of the other ancillary operation and support structures.	Refer to Condition of Certification BIO-8	Within 30 days after completion of Project construction	11/29/13	AECOM	EPC	9/30/13	10/30/13		EPC implementing plan prepared by AECOM
				VIS-03b	CONS	Prepare and submit a lighting mitigation plan. No exterior lighting shall be ordered until CPM approval of the lighting mitigation plan has been obtained. If the CPM determine that the plan requires revision, the project owner shall provide to the CPM a revised plan for review and approval by the CPM.	Submit the plan to the CPM for review and approval and simultaneously to the County of Riverside for review and comment.	At least 60 days prior to ordering any permanent exterior lighting	11/12/10						
				VIS-03d	CONS	Respond to lighting complaints during construction and operations.	Within 48 hours of receiving a lighting complaint, the project owner shall provide the CPM with a complaint resolution form report as specified in the Compliance General Conditions including a proposal to resolve the complaint, and a schedule for implementation. The project owner shall notify the CPM within 48 hours after completing implementation of the proposal. A copy of the complaint resolution form report shall be submitted to the CPM within 20 days.	As required	As required	EPC		As required	As required		
				VIS-04b	CONS	To the extent possible, use proper design fundamentals to reduce the visual contrast to the characteristic landscape. These include proper siting and location; reduction of visibility; repetition of form, line, color (see VIS-1) and texture of the landscape; and reduction of unnecessary disturbance. Design strategies to address these fundamentals will be based on factors described in the condition.	Contact the CPM to review the incorporation of the above factors into the final facility and site design plans. If the CPM determine that the site and facility plans require revision, the project owner shall provide to the CPM a revised plan for review and approval by the CPM.	At least 90 days prior to final site and facility design	3/3/11	EPC	AECOM				
				WASTE-01b	CONS	The UXO work plan will possibly include geophysical surveys to investigate adjacent areas for surface, near surface or buried ordnance in all proposed land disturbance areas.	Submit the results of the geophysical surveys to the CPM for review and approval.	Within 30 days after completing the survey	12/5/10	AECOM		10/6/10	11/5/10	1/7/13/2010-158	Pending CEC Approval
				WASTE-03a	CONS	If potentially contaminated soil is identified during site characterization, excavation, grading, or demolition at either the proposed site or linear facilities—as evidenced by discoloration, odor, detection by handheld instruments, or other signs—the Professional Engineer or Professional Geologist shall inspect the site; determine the need for sampling to confirm the nature and extent of contamination; and provide a written report to the project Owner, representatives of Department of Toxic Substances Control (DTSC) or Regional Water Quality Control Board (RWQCB), the Compliance Project Manager (CPM) stating the recommended course of action.	Submit any reports filed by the Professional Engineer or Professional Geologist to the CPM within 5 days of their receipt.	As required	Within 5 days of receipt of reports	EPC		As required	As required		
				WASTE-03b	CONS	Depending on the nature and extent of contamination, the Professional Engineer or Professional Geologist shall have the authority to temporarily suspend construction activity at that location for the protection of workers or the public. If in the opinion of the Professional Engineer or Professional Geologist significant remediation may be required, the project Owner shall contact the CPM, and representatives of the DTSC or RWQCB for guidance and possible oversight.	Notify the CPM within 24 hours of any orders issued to halt construction.	As required	Within 24 hours of any orders issued to halt construction	EPC		As required	As required		

EW	1a	1b	2	Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Resp. Party	Support Entity	Internal Start Date	Date Due to SM Compliance	Date sent to CEC, CBO or agency	Status/Notes	
				WASTE-06	CONS	Upon notification of any impending waste management-related enforcement action by any local, state, or federal authority, notify the CPM of any such action taken or proposed against the project itself, or against any waste hauler or disposal facility or treatment operator with which the Owner contracts, and describe how the violation will be corrected.	Notify the CPM in writing within 10 days of becoming aware of an impending enforcement action. The CPM shall notify the project Owner of any changes that will be required in the manner in which project-related wastes are managed as a result of a finalized action against the project.	As required	Within 10 days of becoming aware of action	Owner		As required	As required			
				WASTE-07a	CONS	Prepare an Operation Waste Management Plan that contains, at a minimum, the following items: a detailed description of all operation and maintenance waste streams, including projections of amounts to be generated, frequency of generation, and waste hazard classifications; management methods to be used for each waste stream, including temporary on-site storage, housekeeping and best management practices to be employed, treatment methods and companies providing treatment services, waste testing methods to ensure correct classification, methods of transportation, disposal requirements and sites, and recycling and waste minimization/source reduction plans; information and summary records of conversations with the local Certified Unified Program Agency and the Department of Toxic Substances Control regarding any waste management requirements necessary for project activities; a detailed description of how facility wastes will be managed and any contingency plans to be employed, in the event of an unplanned closure or planned temporary facility closure; and a detailed description of how facility wastes will be managed and disposed upon closure of the	Submit the Operation Waste Management Plan to the CPM for approval. Copies of all required waste management permits, notices, and/or authorizations shall be included in the plan.	No fewer than 30 days prior to the start of project operation	9/30/13	EPC			8/1/13	8/31/13		
				WASTE-07b	CONS	Submit any required revisions upon notification from the CPM that revisions are necessary.	Submit the required documentation to the CPM.	Within 20 days of notification from the CPM that revisions are necessary	As required	EPC			As required	As required		
				WASTE-08a	CONS	Provide an assessment of whether the HTF contaminated soil is considered hazardous or non-hazardous under state regulations. HTF-contaminated soil that exceeds the hazardous waste levels must be disposed of in accordance with California Health and Safety Code (HSC) Section 25203. HTF contaminated soil that does not exceed the hazardous waste levels may be discharged into the land treatment unit (LTU). For discharges into the LTU, the project Owner shall comply with the Waste Discharge Requirements contained in the Soil & Water Resources section.	Submit the required documentation to DTSC and the CPM for review and approval.	Ongoing during construction	As required	EPC			As required	As required		
				WASTE-08b	CONS	Document all releases and spills of HTF as described in Condition of Certification WASTE-9 and report only those that are 42 gallons or more, the CERCLA reportable quantity, as required in the Soil & Water Resources section of this document. Cleanup and temporary staging of HTF contaminated soils shall be conducted in accordance with the approved Operation Waste Management Plan required in Condition of Certification of WASTE-8. The project Owner shall sample HTF-contaminated soil from CERCLA reportable incidents involving 42 gallons or more in accordance with Environmental Protection Agency's (USEPA) current version of "Test Methods for Evaluating Solid Waste" (SW-846). Samples shall be analyzed in accordance with USEPA Method 8015 or other method to be reviewed and approved by DTSC, the CPM.	Provide the results of the analyses and their assessment of whether the HTF-contaminated soil is considered hazardous to the CPM and DTSC for review and approval.	Within 28 days of an HTF spill of 42 gallons or more	Within 28 days of an HTF spill of 42 gallons or more	AECOM			As required	As required		
				WASTE-09	CONS	Ensure that all accidental spills or unauthorized releases of hazardous substances, hazardous materials, and hazardous waste are documented and remediated, and that wastes generated from accidental spills and unauthorized releases are properly managed and disposed of in accordance with all applicable federal, state, and local requirements. For the purposes of this condition, "release" shall have the definition in Title 40 of the Code of Federal Regulations, Part 302.3. The documentation shall include, at a minimum, the following information: location of release; date and time of release; reason for release; volume released; how release was managed and material cleaned up; amount of contaminated soil and/or cleanup wastes generated; if the release was reported; to whom the release was reported; release corrective action and cleanup requirements placed by regulating agencies; level of cleanup achieved and actions taken to prevent a similar release or spill; and disposition of any hazardous wastes and/or contaminated soils and materials that may have been generated by the release.	Owner shall document management of all accidental spills and unauthorized releases of hazardous substances, hazardous materials, and hazardous wastes that occur on the project property or related linear facilities. A copy of the accidental spill or unauthorized release documentation shall be provided to the CPM	within 30 days of the date the release was discovered	As required	EPC			As required	As required		
				WORKER SAFETY-03b	CONS	The CSS shall prepare and submit a monthly safety inspection that includes the info specified in the body of the condition.	Submit required info to the CPM.	Include in MCR	12/28/10	EPC			10/29/10	11/28/10		
				WORKER SAFETY-04a(2)	CONS	Make payments to the Chief Building Official (CBO) for the services of a Safety Monitor based upon a reasonable fee schedule to be negotiated between the project Owner and the CBO. Those services shall be in addition to other work performed by the CBO.	Provide contract for the CPM for review and approval.	At least 60 days prior to the start of construction	1/25/11	Owner			11/26/10	12/26/10		
				WORKER SAFETY-04b	CONS	The Safety Monitor shall be selected by and report directly to the CBO and will be responsible for verifying that the Construction Safety Supervisor, as required in Condition of Certification Worker Safety-3, implements all appropriate Cal/OSHA and CEC safety requirements. The Safety Monitor shall conduct on-site (including linear facilities) safety inspections at intervals necessary to fulfill those responsibilities.	Include CBO Safety Monitor's monthly report as an exhibit in the MCR.	Include in MCR	12/28/10	Owner			10/29/10	11/28/10		
				WORKER SAFETY-05a	CONS	Ensure that a portable automatic external defibrillator (AED) is located on site during construction and operations and shall implement a program to ensure that workers are properly trained in its use and that the equipment is properly maintained and functioning at all times. During construction and commissioning, the following persons shall be trained in its use and shall be on site whenever the workers that they supervise are on site: the Construction Project Manager or delegate, the Construction Safety Supervisor or delegate, and all shift foremen.	Submit to the CPM proof that a portable automatic external defibrillator (AED) exists on site and a copy of the training and maintenance program for review and approval.	At least 60 days prior to site mobilization	1/31/11	EPC	NAIM		9/1/2010 2010-006 11/30/10 2010-150	Pending CEC Approval	9/1/2010 2010-006 11/30/10 2010-150	Approved by CEC on 12/10/10
				WORKER SAFETY-05b	CONS	Provide details on secondary access gate mechanism.	Provide requested information as part of ACR.	When available		EPC						

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				WORKER SAFETY-09a	CONS	Owner shall participate in annual joint training exercises with the Riverside County Fire Department (RCFD). Owner shall coordinate this training with other Energy Commission-licensed solar power plants within Riverside County such that this project shall host the annual training on a rotating yearly basis with the other solar power plants.	Owner shall submit to the CPM proof that a joint training program with the RCFD is established.	At least 10 days prior to the start of commissioning	12/31/12	EPC		11/1/12	12/1/12		
				WORKER SAFETY-09b	CONS	Owner shall participate in annual joint training exercises with the Riverside County Fire Department (RCFD). Owner shall coordinate this training with other Energy Commission-licensed solar power plants within Riverside County such that this project shall host the annual training on a rotating yearly basis with the other solar power plants.	In each January Monthly Compliance Report during construction include the date, list of participants, training protocol, and location of the annual joint training.	Include In January MCR during construction	1/15/11	EPC		11/16/10	12/16/10		

Blythe Solar Power Project  
(09-AFC-6C)

Monthly Compliance Report #1

Exhibit 5  
Air Quality Construction Mitigation Documentation

## AQCMM Monthly Summary for November 2010

### Blythe Solar Power Project

#### Weather

Temperature ranged from low 30's to low 60's (degrees F) with mostly sunny skies. There was no rain event observed for the current month. Wind velocity ranged from 5 to 11 mph.

#### Air Quality

Site work activities include the completion of the well and commencement of the tortoise fence install. This operation is not considered a high dust operation, however, Kiewit's procedure is if a high volume of dust is generated a complete shutdown of the operation is mandatory until further evaluation.

The Air Quality Construction Mitigation Plan (AQCMP) for the Blythe Solar Power Project requires all construction equipment to be inspected by the Air Quality Construction Mitigation Manger (AQCMM). All construction equipment on site has been inspected by the AQCMM or his delegate and meets the requirements of California Air Resources Board (CARB). The major pieces of equipment onsite may be found in the following equipment list.

#### Other Environmental

Installation of silt fence will begin in December and will be monitored and maintained on a weekly basis. A tortoise fence and sediment controls inspection list has been created to inspect the tortoise fence and silt fence weekly.

### Blythe Solar Power Project - Construction Equipment List

EIN #	Vehicle Description	Vehicle Make/Model	Vehicle Serial #	Engine Model	Engine Family	Engine Serial #
BK9M75	Doosan DL300 Loader	Doosan DL300	DHKHL - AE0560005079	Doosan DL08	Illegible - 220 HP Tier 3	600489
RK7E69	Backhoe	John Deere 310-J	IT0310JXCA0187631	4045HT054	AIDXLO68106	PE4045L125749



# KIEWIT POWER CONSTRUCTORS CO.

9401 Renner Blvd, Lenexa, KS 66219  
Phone: (913) 928-7800 • Fax: (913) 928-4800

## Blythe Solar Power Project Construction Equipment Emissions Inspection

The Air Quality Construction Mitigation Plan (AQCMP) for the Blythe Solar Power Project requires all construction equipment to be inspected by the Air Quality Construction Mitigation Manager (AQCMM) or Delegate prior to use.

Inspector: BRENT BE DILLON

Equipment Description: BALLOON

Equipment Make / Model: JOHN DEERE 310-J

Equipment Serial Number: LTD310JXCA 0197631

Engine Model: 4045HT054

Engine Family: ASDXL06 8106

Engine Serial Number: PE4045 L125749

EIN Number: R1L7E69

Comments: \_\_\_\_\_

The construction equipment referenced above has been inspected by the AQCMM or delegate and meets the emissions requirements identified in the California Energy Commission Condition of Certification AQ-SC5.

B+BD  
Signature  
(AQCMM or Delegate)

12/01/10  
Date



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## Blythe Solar Power Project Construction Equipment Emissions Inspection

The Air Quality Construction Mitigation Plan (AQCMP) for the Blythe Solar Power Project requires all construction equipment to be inspected by the Air Quality Construction Mitigation Manager (AQCOMM) or Delegate prior to use.

Inspector: BRENT BEDILLON

Equipment Description: DOOSAN DL300 LOADER

Equipment Make / Model: DOOSAN DAEWOO DL300

Equipment Serial Number: DHKHL-AEDS60005079

Engine Model: DOOSAN D108

Engine Family: ILLEGIBLE - 220 HP TIER 3

Engine Serial Number: 600489

EIN Number: BK9M75

Comments: \_\_\_\_\_

The construction equipment referenced above has been inspected by the AQCOMM or delegate and meets the emissions requirements identified in the California Energy Commission Condition of Certification AQ-SC5.

B+Bedillon \_\_\_\_\_ 11/30/10 \_\_\_\_\_  
Signature Date  
(AQCOMM or Delegate)

**OFF-ROAD DIESEL VEHICLE LOOKUP**

*This page last reviewed April 23, 2008*

Public Info Lookup:

You may view a list of companies that have a current ARB Compliance Certificate on this site.

All vehicles subject to the in-use off-road diesel vehicle regulation should be labeled with Equipment Identification Numbers (EINs) by mid-September 2009. All EINs consist of six characters - two upper case letters, one number, one upper case letter, and then two numbers (for example, "XA3D47"). The letters, I and O, and the numbers 1 and 0, are not included in EINs.

If you suspect a vehicle you observe has a fraudulent EIN, you can look up further information on the vehicle including reported owner, vehicle type, and vehicle manufacturer. Enter the EIN in the box provided. Be sure to use uppercase letters

Vehicle Type	Tractors/Loaders/Backhoes
Vehicle Manufacturer	DEERE
Vehicle Model	310-J
Vehicle Model Year	2010
Engine Model Year	2010
Engine Horsepower	99

Enter the identification number here RK7E69



The Board is one of six boards, departments, and offices under the umbrella of the California Environmental Protection Agency.  
[Cal/EPA](#) | [ARB](#) | [CIWMB](#) | [DPR](#) | [DTSC](#) | [OEHHA](#) | [SWRCB](#)

**OFF-ROAD DIESEL VEHICLE LOOKUP**

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If you suspect a vehicle you observe has a fraudulent EIN, you can look up further information on the vehicle including reported owner, vehicle type, and vehicle manufacturer. Enter the EIN in the box provided. Be sure to use uppercase letters

Vehicle Type	Rubber_Tired_Loaders
Vehicle Manufacturer	DOOSAN
Vehicle Model	Doosan_DL300
Vehicle Model Year	2006
Engine Model Year	2006
Engine Horsepower	220

Enter the identification number here BK9M75

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[Cal/EPA](#) | [ARB](#) | [CIWMB](#) | [DPR](#) | [DTSC](#) | [OEHHA](#) | [SWRCB](#)

California Environmental Protection Agency  
Air Resources Board

March 1, 2009

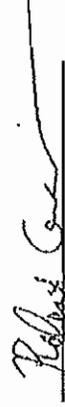
CERTIFICATE OF REPORTED COMPLIANCE  
OFF-ROAD DIESEL VEHICLE REGULATION

is issued to

HERTZ EQUIPMENT RENTAL CORPORATION

This certificate indicates that the fleet listed above has reported off-road diesel vehicles to the California Air Resources Board in compliance with title 13, CCR, section 2449. All applicable vehicles owned by the individual, company or agency must be reported and labeled, as specified in Section 2449, with all possible completeness, else this certificate is null and void.

Off-road Diesel Fleet Identification



Robert Cross  
Division Chief, Mobile Sources Control Division  
California Air Resources Board

1035

To verify the authenticity of this certificate, enter this number at  
[http://www.arb.ca.gov/doors/public\\_info.php](http://www.arb.ca.gov/doors/public_info.php)

Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

**IT IS ORDERED AND RESOLVED:** That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2010	AJDXL06.8106	4.5	Diesel	8000
<b>SPECIAL FEATURES &amp; EMISSION CONTROL SYSTEMS</b>			<b>TYPICAL EQUIPMENT APPLICATION</b>	
Direct Diesel Injection, Turbo Charger, Charge Air Cooler, Electronic Control Module, Smoke Puff Limiter			Loaders, Tractor, Pump, Compressor, Generator Set, Other Industrial Equipment	

The engine models and codes are attached.

The following are the exhaust certification standards (STD), or family emission limit(s) (FEL) as applicable, and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
56 ≤ KW < 75	Tier 3	STD	N/A	N/A	4.7	5.0	0.40	20	15	50
		FEL	--	--	--	--	0.30	--	--	--
		CERT	--	--	4.1	1.4	0.20	1	2	2

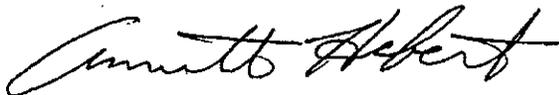
**BE IT FURTHER RESOLVED:** That the family emission limit(s) (FEL) is an emission level declared by the manufacturer for use in any averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of any engine within this engine family under 13 CCR Sections 2423 and 2427.

**BE IT FURTHER RESOLVED:** That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

**This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.**

Executed at El Monte, California on this 28 day of December 2009.



Annette Hebert, Chief  
 Mobile Source Operations Division

Date: 12/10/09

EO#: U-R-004-0382

Attachment 1 of 1

Engine Model Summary Form

Manufacturer: John Deere Power Systems
Engine category: Nonroad CI
EPA Engine Family: AJDXL06.8108
Mfr Family Name: 360HAD
Process Code: New Submission

Table with 9 columns: 1.Engine Code, 2.Engine Model, 3.BHP@RPM (SAE Gross), 4.Fuel Rate: mm3/stroke @ peak HP (for diesel only), 5.Fuel Rate: (lb/hr) @ peak HP (for diesels only), 6.Torque @ RPM (SEA Gross), 7.Fuel Rate: mm3/stroke @ peak torque, 8.Fuel Rate: (lb/hr) @ peak torque, 9.Emission Control Device Per SAE J1630. Rows include models like 4045HF285B, 4045HL280, etc.

DOJ/CCA
[Handwritten arrow pointing down]

California Environmental Protection Agency  
Air Resources Board

March 1, 2009

CERTIFICATE OF REPORTED COMPLIANCE  
OFF-ROAD DIESEL VEHICLE REGULATION

is issued to

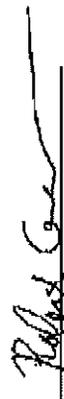
Heavy Equipment Rentals LLC

This certificate indicates that the fleet listed above has reported off-road diesel vehicles to the California Air Resources Board in compliance with title 13, CCR, section 2449. All applicable vehicles owned by the individual, company or agency must be reported and labeled, as specified in Section 2449, with all possible completeness, else this certificate is null and void.

Off-road Diesel Fleet Identification

1169

To verify the authenticity of this certificate, enter this number at [http://www.arb.ca.gov/doors/public\\_info.php](http://www.arb.ca.gov/doors/public_info.php)



Robert Cross  
Division Chief, Mobile Sources Control Division  
California Air Resources Board

Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

**IT IS ORDERED AND RESOLVED:** That the following compression-ignition engines and emission control system produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2006	6DWXL07.6UPA	7.6	Diesel	8000
<b>SPECIAL FEATURES &amp; EMISSION CONTROL SYSTEMS</b>			<b>TYPICAL EQUIPMENT APPLICATION</b>	
Direct Diesel Injection, Turbocharger, Charge Air Cooler			Loader, Compressor, Generator Set, Other OEM Products	

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NO<sub>x</sub>), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NO<sub>x</sub>), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kW-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kW-hr)					OPACITY (%)		
			HC	NO <sub>x</sub>	NMHC+NO <sub>x</sub>	CO	PM	ACCEL	LUG	PEAK
130 ≤ kW < 225	Tier 3	STD	N/A	N/A	4.0	3.5	0.20	20	15	50
		CERT	--	--	3.8	1.3	0.14	14	6	26

**BE IT FURTHER RESOLVED:** That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this 14 day of September 2006.



Annette Hebert, Chief  
 Mobile Source Operations Division

# Engine Model Summary Form

Attachment  
E0414-L-019-0090

Manufacturer: **Doosan Infracore Co., Ltd.**  
 Engine category: **Nonroad CI**  
 EPA Engine Family: **6DWXL07.6UPA**  
 Mfr Family Name: **DL08**  
 Process Code: **New Submission**

1. Engine Code	2. Engine Model	3. BHP @ RPM (SAE Gross)	4. Fuel Rate: mm/stroke @ peak HP (for diesel only)	5. Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6. Torque @ RPM (SEA Gross)	7. Fuel Rate: mm/stroke @ peak torque	8. Fuel Rate: (lbs/hr) @ peak torque	9. Emission Control Device Per SAE J1930
	DL08 PEB	150 @ 202 @ 1900	121	76	688 @ 1300	156	67	DP, TC, CAC
	DL08 PEC	191 @ 257 @ 1750	155	96	870 @ 1300	200	86	
	DL08 PLA	217 @ 2000	116	77	761 @ 1300	176	76	

Blythe Solar Power Project  
(09-AFC-6C)

Monthly Compliance Report #1

Exhibit 6  
Resource Specialists' Monthly Reports

**BLYTHE SOLAR POWER PROJECT PHASE 1A  
MONTHLY COMPLIANCE  
BIOLOGICAL RESOURCES REPORT  
RIVERSIDE COUNTY, CALIFORNIA**



*Prepared for:*

Palo Verde Solar 1, LLC  
1111 Broadway, Fifth Floor  
Oakland, California 94607

*Prepared by:*

AECOM  
2101 Webster Street, Suite 1900  
Oakland, California 94612  
Phone: (510) 622-6600  
Fax: (510) 834-4304

December 2010



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## INTRODUCTION

On behalf of Palo Verde Solar 1, LLC (PVSI), AECOM biologists are performing biological resource pre-construction surveys and construction monitoring for Phase 1A of the Blythe Solar Power Project (Project or BSPP). These surveys are being conducted in compliance with the following agency approvals and permits issued for the Project:

- California Energy Commission's (CEC's) Final Conditions of Certification (Blythe Solar Power Project Commission Decision, CEC-800-2010-009-CMF, DOCKET NUMBER 09-AFC-6 September 15, 2010)
- Blythe Solar Power Project Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP, Docket Number 09-AFC-6C, October 2010) and appended Compliance Plans:
  - Revegetation Plan (Appendix C of BRMIMP)
  - Desert Tortoise Relocation/Translocation Plan (Appendix D of BRMIMP)
  - Raven Management Plan (Appendix E of BRMIMP)
  - Weed Management Plan (Appendix F of BRMIMP)
  - Burrowing Owl Mitigation Plan (Appendix G of BRMIMP)
  - Couch's Spadefoot Toad Protection and Mitigation Plan (Appendix I of BRMIMP)
- U.S. Fish and Wildlife Service Section 7 Biological Opinion on the Blythe Solar Power Plant No. FWS-ERIV-09B0186-10F0880 (October 8, 2010)
- Bureau of Land Management Right of Way (ROW) Grant, Serial Number CACA-048811 (November 1, 2010)

This report documents compliance monitoring activities and species observed on site during initial pre-activity biological monitoring, pre-construction surveys, and construction monitoring, which began November 2010. Biological surveys and monitoring for the month of November included clearance surveys of the well area and connector road, and biological monitoring of these areas, as well as the munitions of concern (MEC)/unexploded ordnance (UXO) site screening of designated locations along the main access road (see Figure 1 [all figures referenced herein in Attachment 1]).

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## **PROJECT LOCATION AND DESCRIPTION**

The Project site is located in the Southern California inland desert, approximately 8 miles west of the city of Blythe and 2 miles north of Interstate 10 (I-10) in Riverside County (County), California. The Project is located on a 7,025-acre right-of-way (ROW) owned by the federal government and managed by the U.S. Bureau of Land Management (BLM), pursuant to an ROW grant issued to PVSJ from BLM and the parallel thermal electric power plan certification issued by CEC. The total Project Disturbance Area (at build out) will be 7,025 acres. Phase 1A of the Project (the current phase) is shown in Figure 2. November surveys and current Project activities are focused on the "Early Works Disturbance Area" shown in Figure 2, which totals 239 acres. Phase 1A totals 773 acres.

The Project is a commercial solar thermal power-generating facility that will use solar parabolic trough technology to generate electricity. When fully constructed, the Project will have a nominal output of 1,000 megawatts (MW), consisting of four independent 250-MW power plants (Units #1, #2, #3, and #4). The units will be developed in phases, and construction commenced on November 29 for the well and access road within Phase 1A. The first unit is expected to come on line in 2013, and subsequent units are anticipated to come on line in each of the following 3 years.

## **MONITORED MITIGATION MEASURES AND PERMIT CONDITIONS**

Mitigation measures for the BSPP site were developed through consultation with CEC, the California Department of Fish and Game (CDFG), the U.S. Fish and Wildlife Service (USFWS), and BLM. Biological mitigation measures and permit conditions were implemented under the guidance and direction of the Project Designated Biologist (DB), with assistance from approved Biological Monitors (BMs), as required.

During the month of November, Project activities were in compliance with the Conditions of Certification (COCs) that apply to the pre-construction and construction activities that occurred during the month. These COCs are as follows:

- BIO-1: Designated Biologist Selection and Qualifications
- BIO-2: Designated Biologist Duties
- BIO-3: Biological Monitor Selection and Qualifications
- BIO-4: Biological Monitor Duties
- BIO-5: Designated Biologist and Biological Monitor Authority

- 
- BIO-6: Worker Environmental Awareness Program
  - BIO-7: Biological Resource Mitigation Implementation and Monitoring Plan
  - BIO-8: Impact Avoidance and Minimization Measures
  - BIO-9: Desert Tortoise Clearance Surveys and Fencing
  - BIO-10 Desert Tortoise Relocation/Translocation Plan
  - BIO-11: Desert Tortoise Compliance Verification
  - BIO-13: Raven Management Plan
  - BIO-14: Weed Management Plan
  - BIO-17: American Badger and Desert Kit Fox Impact Avoidance and Minimization Measures
  - BIO-18: Burrowing Owl Impact Avoidance, Minimization, and Compensation Measures
  - BIO-19: Special-Status Plant Impact Avoidance, Minimization, and Compensation
  - BIO-22: Mitigation for Impacts to State Waters
  - BIO-26: Couch's Spadefoot Toad Impact Avoidance and Minimization Measures

COCs BIO-16 and 24 pertain to spring-season nesting bird and golden eagle surveys/measures to be performed in later periods of activity. These will be reported in spring Compliance Reports. The remaining COCs pertain to compensatory mitigation or operations, and are thus not covered in this report.

## **SURVEY METHODOLOGY**

Survey methodology was in compliance with COCs BIO-9, 17, and 18, and followed 1993 CDFG Burrowing Owl Guidelines and USFWS Desert Tortoise Field Manual Chapter 6, Clearance Survey Protocol for the Desert Tortoise – Mojave Population. Dates of surveys and survey personnel are summarized in Table 1.

Prior to disturbance activities (within 30 days), and per COC BIO-18, portions of the early works of Phase 1A (well area and connector road) along with a 500-foot buffer was surveyed for western burrowing owls (WBOs), sign, and/or burrows. Transects were spaced no more than 30 meters apart although they were adjusted depending on location to obtain 100% visual coverage. Surveys were lead by the DB. Burrows with WBO sign or those of suitable size for occupation by WBO were identified. For burrows identified as being of suitable size for WBO, a follow-up focused survey was conducted during the early morning or evening according to WBO survey guidelines. No active WBO burrows were identified within the surveyed area. In accordance with BIO-18 and the Burrowing Owl Mitigation Plan, if burrows are confirmed as active, a

**Table 1  
Compliance Monitoring and Survey Observations**

<b>Activity</b>	<b>Location</b>	<b>Start Date</b>	<b>End Date</b>	<b>Survey Type</b>	<b>Monitor (DB or BM)</b>	<b>Observations</b>
Unexploded Ordnance (UXO) Pre-Construction Clearance: Ground disturbance required within UXO clearance grid	Main access road	11/5/2010	11/11/2010	Biological monitoring	Tina Poole (Biological Monitor [BM])	Two horned lark eggs spotted and flagged 150 feet east of UXO grid, although viability was not confirmed. No birds seen at nest, so not likely active. One active KF den 72 feet from western edge of MEC/UXO screening grid. Both avoided by screening team.
Identify and Flag Eastern Access Route	Eastern access to well area (existing dirt road)	11/22/2010	11/22/2010	Biological monitoring	Ray Romero (Designated Biologist [DB])	DB followed up on 11/22/2010 to check that boundary of road was identified properly for biological surveys and future use by construction vehicles.
Biological Pre-Construction Survey	Eastern access to well area (existing dirt road): 65-foot-wide survey buffer on each side of the road to accommodate shoulder and potential resources adjacent	11/22/2010	11/22/2010	Western burrowing owl (WBO), American Badger (AB), kit fox (KF), desert tortoise (DT) clearance	Shelly Dayman, Rocky Brown, Veronica Wunderlich (BMs); Ray Romero (DB)	No special-status species or potential burrows observed on road or within survey buffer.
Biological Pre-Construction Survey	Well site	11/23/2010	11/23/2010	WBO, AB, KF clearance	Shelly Dayman, Rocky Brown, Veronica Wunderlich (BMs)	Two potential WBO burrows found within 500-foot buffer southwest of well site, though further surveys found that burrows are not active. No further surveys or avoidance needed for these burrows. 12 silver cholla found and mapped.

Activity	Location	Start Date	End Date	Survey Type	Monitor (DB or BM)	Observations
Biological Pre-Construction Survey	East/West connector road	11/29/2010	11/30/2010	WBO, AB, KF clearance	Julie Roth, Rocky Brown (BMs)	Two potential WBO pellets found within 500-foot buffer south of connector road, as well as KF scat. No suitable burrows for either species found in association with the sign.
Biological Pre-Construction Survey	Well site	11/29/2010	11/30/2010	DT 24-hour clearance	Julie Roth, Rocky Brown (BMs)	No DT sign or live DT found.
Transport and Staging of Equipment	Well site and eastern access	11/29/2010	11/30/2010	Biological monitoring	Ray Romero (DB)	No special-status species observed.
Archaeological Excavations/Cultural Resources Testing	Archeological site along northern portion of main access route	11/29/2010	11/30/2010	Biological monitoring	Rob Conohan (BM)	No special-status species observed.

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passive WBO relocation is to be conducted by the DB or BM under supervision of the DB. Relocation of WBOs is only to be implemented during the non-breeding season (September 1 through January 31).

Prior to disturbance activities and per COC BIO-17, portions of the early works of Phase 1A (well area and connector road) along with a 20-foot buffer was surveyed for desert kit fox/American badger (KF/AB) and/or burrows/dens. No suitable burrows were identified. If a den is identified as suitable, a follow-up focused survey is to be conducted. If the den is confirmed as active, a passive KF/AB relocation is to be conducted by the DB or BM under supervision of the DB.

A reconnaissance survey of 2 miles of an existing unpaved road and adjacent areas east of the well site (shown on Figure 1) was conducted to evaluate presence/absence of sensitive biological resources on the roadway and within a 65-foot buffer in adjacent habitat. The road segment farther east was not assessed due to lack of suitable habitat. This survey was conducted in anticipation of use of the road to transport equipment and materials to the well area.

Within the prescribed 24 hours of transport and staging of equipment in the well area, a desert tortoise (DT) clearance survey was conducted.

Construction monitoring was conducted in compliance with BIO-8 and BIO-9. For all pre-activity surveys, data was collected on designated Pre-Activity/Pre-Construction Survey Data Sheets and electronically scanned/uploaded daily. For biological monitoring, data was collected on designated Daily Biological Monitoring Logs. Global Positioning System (GPS) data (special-status species detections, sign, burrow data) was also collected and uploaded daily.

## **SUMMARY OF ACTIVITIES**

Activities commenced on November 5, beginning with biological monitoring of MEC/UXO screening work along the main access road. Subsequent activities included civil surveying and staking of the Early Works Disturbance Area beginning on November 22, followed by use of the unpaved access road (leading to the well site) for equipment transport, equipment and materials staging at the well site, and pump installation on November 29 and 30.

A biological monitor was on site during MEC/UXO Screening Surveys. Biological clearance surveys for AB, KF, and WBO were conducted prior to disturbance activities, as listed in Table 1. DT clearance surveys were conducted within 24 hours of disturbance activities, per COC BIO-

---

9. No evidence of these species was found within the Project Disturbance Area. An active KF burrow complex was identified during MEC/UXO monitoring, 70 feet west of the MEC/UXO grid, along the southern portion of the main access road (approximately 0.5 mile north of I-10). It was completely avoided and undisturbed during these activities. The KF burrow will be reassessed as part of construction clearance activities for this portion of the access road. Potential WBO burrows and potential sign were found within the 500-foot buffer of the well area and connector road; however, follow-up surveys concluded that WBO was not currently present. Species observed during biological surveys and monitoring are listed in Attachment 2. Wildlife activity on the site was generally low given the time of year and sparse vegetation in the survey areas. Photos of the Project area and activities are provided in Attachment 3.

Table 1 summarizes construction and biological clearance survey and monitoring activities and observations. Daily biological monitoring forms and pre-construction survey data forms are provided as Attachment 4 and Attachment 5.

#### **WORKER ENVIRONMENTAL AWARENESS TRAINING**

A BSPP-specific Worker Environmental Awareness Program (WEAP) was developed in consultation with the DB that includes a brochure, training video, species cards, and hard hat stickers. As required by COC BIO-6, all new employees/field staff must attend the WEAP training.

All personnel reported to the field received WEAP training in November, as detailed in the comprehensive Monthly Compliance Report. A Kiewit Safety and Compliance Manager assisted by the DB administered the WEAP training to new employees. Signed affidavits are kept on file by the Kiewit Safety and Compliance Manager and the PVSI Compliance Manager.

#### **GENERAL DAILY NOTES AND OBSERVATIONS**

Table 1 summarizes construction and biological clearance survey and monitoring activities and observations. Daily notes detailing all observations and compliance monitoring activities are provided in the forms attached (Attachments 4 and 5).

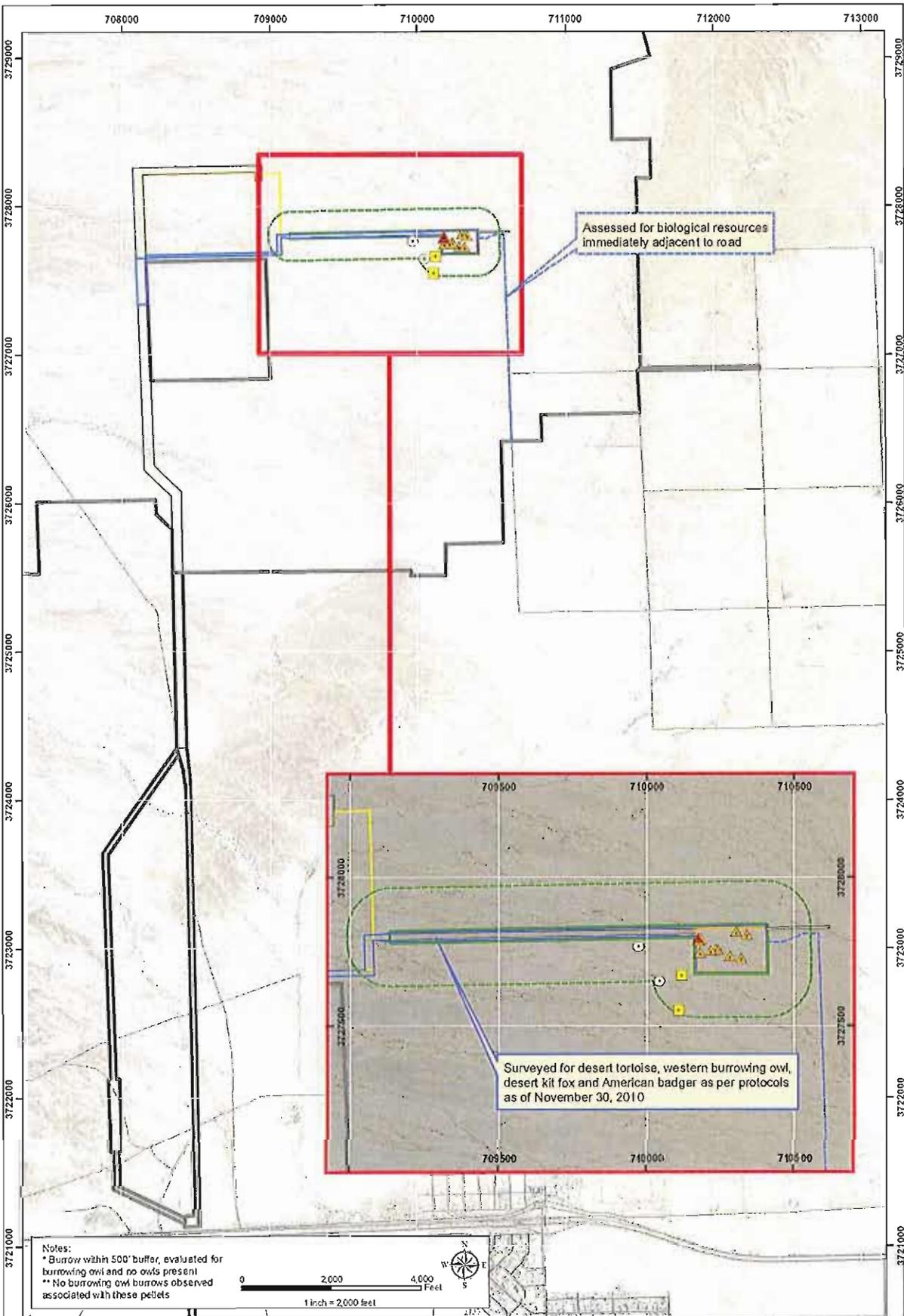
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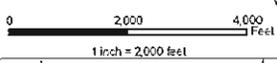
**ATTACHMENT 1**

**FIGURES**





Notes:  
 \* Burrow within 500' buffer, evaluated for burrowing owl and no owls present  
 \*\* No burrowing owl burrows observed associated with these pellets



Legend	
	Project Disturbance Area
	Access
	Shared Facilities
	Test Well
	Burrow*
	Owl Pellet**
	Silver Cholla ( <i>Opuntia echinocarpa</i> )
	Two Silver Chollas ( <i>Opuntia echinocarpa</i> )
	Protocol Survey Extent
	Road Alignment Survey
	20-foot KFFAB Buffer Survey Area
	500-foot WBO Buffer Survey Area

Blythe Solar Power Project

Figure 1  
 Monthly Compliance  
 Biological Resources  
 Report - November

Source: NAD 2008, Riverside County 2010; AECOM 2010  
 Coordinate Grid System: UTM 211 N, NAD 83, meters



Date: December 2010

Path: P:\31011\2010\B01\A01\AC\662058\_LandUse\Map\AC\662058\_LandUse\Map\Nov-2010.mxd, 12/1/10, ArcMap







**ATTACHMENT 2**

**SPECIES OBSERVED DURING NOVEMBER  
SURVEYS AND MONITORING**



**WILDLIFE SPECIES DETECTED DURING  
BIOLOGICAL COMPLIANCE CLEARANCE SURVEYS AND MONITORING  
November 2010**

Scientific Name	Common Name
<b>INVERTEBRATES</b>	
<i>Aphonopelma sp.</i>	Tarantula
<i>Eleodes sp.</i>	Darkling beetle
<b>AMPHIBIANS – None detected.</b>	
<b>REPTILES</b>	
<i>Callisaurus draconoides</i>	Zebra-tailed lizard
<i>Coleonyx variegatus</i>	Western banded gecko
<i>Uta stansburiana</i>	Side-blotched lizard
<b>BIRDS</b>	
<i>Eremophila alpestris actia</i> <sup>4</sup>	California horned lark (eggs only) <sup>4</sup>
<i>Buteo jamaicensis</i>	Red-tailed hawk
<i>Circus cyaneus</i> <sup>3</sup>	Northern harrier <sup>3</sup>
<i>Buteo regalis</i>	Ferruginous hawk
<i>Geococcyx californianus</i>	Greater roadrunner
<i>Callipepla gambelii</i>	Gambel's quail
<i>Toxostoma lecontei</i> <sup>3</sup>	Le Conte's thrasher <sup>3</sup>
<i>Corvus corax</i>	Common raven
<i>Dendroica coronata</i>	Yellow-rumped warbler
<b>MAMMALS</b>	
<i>Vulpes macrotis arsipus</i> <sup>5</sup>	Desert kit fox <sup>5</sup>
<i>Canis latrans</i>	Coyote
<i>Spermophilus tereticaudus</i>	Round-tailed ground squirrel
<i>Dipodemys deserti</i>	Desert kangaroo rat

- <sup>1</sup> Federally threatened or endangered species
- <sup>2</sup> State threatened or endangered species
- <sup>3</sup> State species of special concern
- <sup>4</sup> CDFG watch list
- <sup>5</sup> CDFG protected furbearer



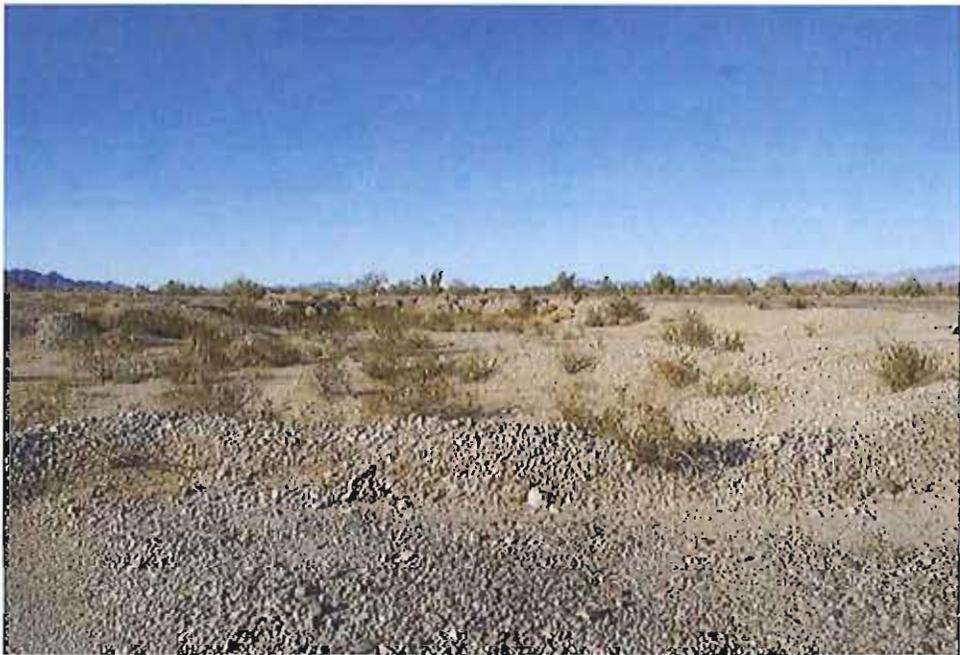
**ATTACHMENT 3**

**PHOTOS**





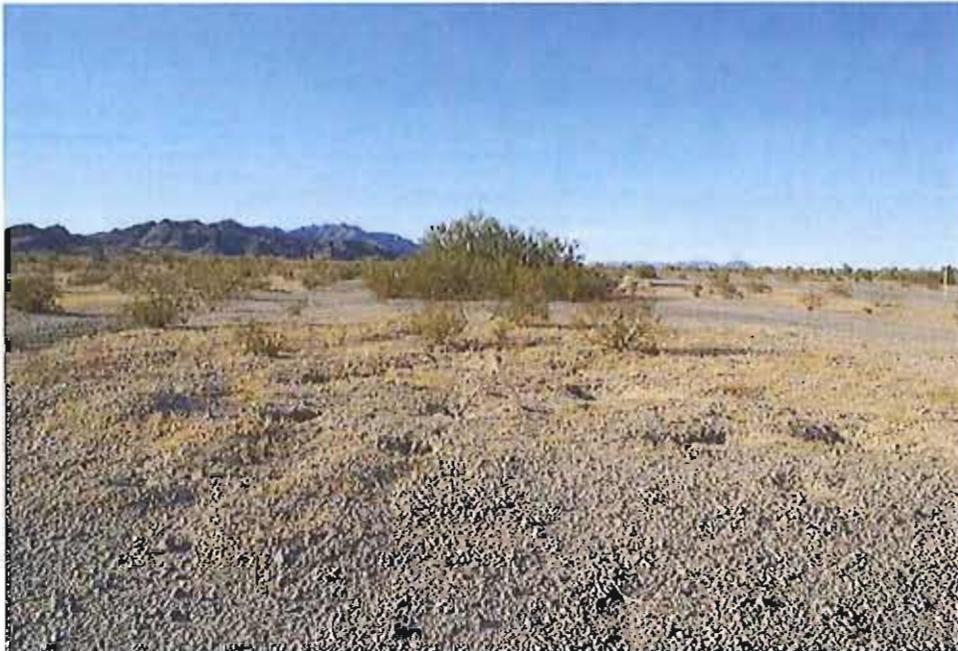
**Monitoring of UXO clearance from 220 foot buffer, 11/09/10**



**Designated ESA west of southern portion of Main Access Road, 11/09/10**



**Southwest corner of UXO grid, 11/09/10**



**Active Kit Fox burrows located 70 feet west of UXO grid along southern portion of Main Access Road, 11/09/10. The burrow complex was completely avoided during these activities.**



**Potential Burrowing Owl pellet within buffer of connector road, 11/30/10**



**Heavy equipment on well pad staged at well area**



**Generator and water tank staged at well area**



**Tortoise fencing materials staged at well area**



Location of east-west connector road looking west from the well area



**ATTACHMENT 4**

**DAILY BIOLOGICAL MONITORING LOGS**



**Daily Biological Monitoring Log – Blythe Solar Power Project  
Solar Millennium BSPP Phase 1A Construction**

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880  
California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	TINA POOLE	Date:	5 NOVEMBER 2010
Starting Location and Activity:	115 0708508/3921833 (NAD83) UXO clearance/excavations	Site Code:	Blythe
Weather: CALM	Temp: 14.2°C - AM 31.6°C - PM	Cloud Cover: 0	Rainfall? Y (N)

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE  
Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival  
For health and safety issues, please contact the Health and Safety Coordinator (AECOM) UNKNOWN  
For UXO issues, contact Health and Safety Coordinator (above) and UXO Specialist Dan McKinnon 937-219-5242  
In emergencies, dial 911

Condition	Compliance?	Comments
A) Site checked for biota prior to construction?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	CHECKED EXCAVATIONS AT DAYS END 1505
I) Construction outside of DT exclusion fence with AB/BM present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) No standing water, note check times/locations	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Q) Cacti salvaged [need correct cacti type noted here]	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Special status species observed? Describe NONE	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature: Tina Poole

Monitor: TINA POOLE

Date: 5 NOVEMBER 2010

Time	ACT <sup>1</sup>	LOC <sup>2</sup>	Comment	CL <sup>3</sup>
0645	—	—	Travel to Valero for meeting with UXO crew.	1
0715	6	5	Escort/road clearance to work site. Work area cleared for sensitive biological resources.	1
0900	6	5	Wait for archeologist to complete WEAP	1
0930	6	5	Assisted archeologist in clearing work areas of historic arch resources (metal cans)	1
1100	6	5	Moved out of immediate work area into safety buffer while UXO crew worked.	1
1500	—	—	Recon of work area. No issues.	1
1515	—	—	Departed site.	

- |                                   |                    |                                   |          |                                  |   |
|-----------------------------------|--------------------|-----------------------------------|----------|----------------------------------|---|
| <u>Activity (ACT)<sup>1</sup></u> |                    | <u>Location (LOC)<sup>2</sup></u> |          | <u>Proposed Utility Corridor</u> | <u>Compliance Levels (CL)<sup>3</sup></u> |
| 1. DT Fencing                     | 5. Excavation      | 1. DT Fence                       | 5. Other |                                  | 1. Acceptable                             |
| 2. Access/egress                  | 6. UXO Activities  | 2. Well Site                      | 6. Other |                                  | 2. Notification                           |
| 3. Clear/grub                     | 7. SWPPP           | 3. Access Road                    | 7. Other |                                  | 3. Non-compliance                         |
| 4. Grading                        | 8. Other (specify) | 4. Drainage Crossings             |          |                                  | 4. Non-compliance Resolution              |

**Notes:**

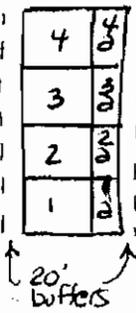
UXO crews were stationary throughout the day. Crews worked on grid layout in (4) 100'x100' areas with (4) smaller areas. Once cleared of arch and bio resources, crews worked on excavations by hand (pick and shovel). No sign of DT were located with the work area or within a 100' radius around work area.

**Follow Up:**

All UXO crew recently had WEAP training. Crews were reminded to check beneath vehicles, no trash left behind, speed limit of 25mph, not to disturb cacti, and to leave an exit ramp if excavations are to be left open.

Signature: \_\_\_\_\_

Tina Poole



## Daily Biological Monitoring Log – Blythe Solar Power Project

### Solar Millennium BSPP Phase 1A Construction

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	<i>TINA POOLE</i>	Date:	<i>8 NOVEMBER 2010</i>
Starting Location and Activity:	<i>Same location - Utility Corridor</i>	Site Code:	<i>Blythe</i>
Weather:	<i>Cool w/ Breezes</i>	Temp:	<i>AM/PM 11.2°C / 25.6°C</i>
		Cloud Cover:	<i>AM - 30% cirrus PM - 15% cirrus / 30% cumulus</i>
		Rainfall? Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

**ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE**

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival

For health and safety issues, please contact the Health and Safety Coordinator (AECOM) UNKNOWN

For UXO issues, contact Health and Safety Coordinator (above) and UXO Specialist Dan McKinnon 937-219-5242

In emergencies, dial 911

Condition	Compliance?	Comments
A) Site checked for biota prior to construction?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>Checked excavations @ 1000; 1135; 1235; 1445; 1600</i>
I) Construction outside of DT exclusion fence with AB/BM present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) No standing water, note check times/locations	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Q) Cacti salvaged [need correct cacti type noted here]	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Special status species observed? Describe <i>NONE</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature: *Tina S. Poole*

Monitor: TINA POOLE

Date: 8 NOVEMBER 2010

Time	ACT <sup>1</sup>	LOC <sup>2</sup>	Comment	CL <sup>3</sup>
<del>0630</del> 0745	-	-	TRAVEL TO VALERO FOR MORNING TAILGATE. UXO AND BIO ISSUES DISCLOSED.	1
0700	6	5	ESCORT TO SITE. CLEARANCE OF ROAD AND WORK AREA	1
0730	6	5	MONITORED UXO ACTIVITIES FROM 212' BUFFER; CLEARING WHEN CREW TOOK A BREAK.	1
1135	6	5	CLEARING WHEN CREW TOOK A BREAK.	1
1135	-	-	BREAK	1
1235	6	5	MONITORED UXO ACTIVITIES FROM 212' BUFFER; CLEARING WHEN CREW TOOK A BREAK	1
1500	6	5	BRIEF VISIT WITH CLIENT AND CEC. INTRODUCTIONS AND INQUIRIES ABOUT UXO ACTIVITIES.	1
1520	6	5	CREWS WRAPPED UP FOR THE DAY. COMPLETED CLEARANCE OF EXCAVATIONS. DEPARTED SITE	1
1600	-	-	TRAVEL TO TOWN	
1615	-	-		

**Activity (ACT)<sup>1</sup>**

- 1. DT Fencing
- 2. Access/egress
- 3. Clear/grub
- 4. Grading
- 5. Excavation
- 6. UXO Activities
- 7. SWPPP
- 8. Other (specify)

**Location (LOC)<sup>2</sup>**

- 1. DT Fence
- 2. Well Site
- 3. Access Road
- 4. Drainage Crossings
- 5. Other
- 6. Other
- 7. Other

**Proposed Utility Corridor**

**Compliance Levels (CL)<sup>3</sup>**

- 1. Acceptable
- 2. Notification
- 3. Non-compliance
- 4. Non-compliance Resolution

**Notes:**

- 1000 - OBSERVED 2 YELLOW-RUMPED WARBLERS (DENDROICA CORONATA)
- 1115 - OBSERVED 1 ROAD RUNNER (GEOCOCCYX CALIFORNIANUS)
- 1235 - OBSERVED 1 RED-TAILED HAWK (BUTEO JAMAICENSIS)
- BRASSICA TOURNEFORTII IS PRESENT IN CURRENT WORK LOCATION.

**Follow Up:**

- REMINDED CREWS OF DUST EMISSIONS ALONG BLACK ROAD ROAD, AS IT PARALLELS I-10. CREWS WERE NOT SPEEDING BUT ASKED TO SLOW SPEED TO ACCOMMODATE TRAFFIC ON INTERSTATE.

Signature:

Tina S. Poole

**Daily Biological Monitoring Log – Blythe Solar Power Project**

**Solar Millennium BSPP Phase 1A Construction**

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	TINA POOLE		Date:	9 NOVEMBER 2010	
Starting Location and Activity:	Proposed Utility Corridor UXO Clearance Excavation		Site Code:	Blythe	
Weather:	CLEAR WINDS 5-10mph	Start 05:45AM	Midday	End 4:00PM	
Rainfall?	Temp:	7.8°C	—	23.2°C	
Y <u>(N)</u>	% Cloud Cover:	∅	—	∅	

**ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE**

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival  
 For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882  
 For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242  
 In emergencies, dial 911

Condition	Compliance?	Comments
A) Site checked for biota prior to construction?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Checked work area at 06:15; 07:40; 08:40; 10:35 (Break) 13:30; 14:30; 15:30.
I) Construction outside of DT exclusion fence with AB/BM present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) No standing water, note check times/locations	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Special status species observed? Describe <b>DESERT KIT FOX</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1 INDIVIDUAL FLUSHED FROM DEN SITE WHILE INVESTIGATING.

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature: Tina Poole

Monitor: TINA POOLE

Date: 9 NOVEMBER 2010

Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.

Time	ACT <sup>1</sup>	LOC <sup>2</sup>	Notes/Comments	CL <sup>3</sup>
0530 0600	6	5	TRAVEL TO MEET UXO CREW FOR MORNING TAILGATE.	+
0600 0645	6	5	ESCORT TO SITE; ROAD CLEARANCE AND CLEARANCE OF UXO GRID/WORKAREA.	1
0645	6	5	NEEDING TO STAY CLEAR OF UXO ACTIVITIES - WALKED ABOUT TO FIND TOAD POND ESAs. LOCATING A LARGE PONDING @ [708147E 372204N]	1
0755	6	5	LOCATED 2 HORNED LARK EGGS ON THE PERIPHERY OF LARGE CAN DUMP @ [708609E/3721864N] HAVE NOT SEEN CAREGIVERS YET. MOST LIKELY AN ABANDONED CLUTCH, BUT COULD POSSIBLY BE A LATE EFFORT CLUTCH. FLAGGED AND INFORMED CREWS TO STAY AWAY.	1
"	"	"		"
1035	6	5	UXO CREWS TOOK BREAK TO WAIT FOR GEOPHYSICIST AND EQUIPMENT. CALL FROM SHELLY DAYMAN CONCERNING DATA SHEETS	1
1120	6	5	CALL FROM SHELLY DAYMAN CONCERNING TOAD AND BOTANY ESAs. ASKED TO LOCATE AND GPS PROXIMITY TO WORK.	1
1320	6	5	GEO PHYSICIST ARRIVED. WENT OVER BIO RESOURCE ISSUES WITH HIM. CREWS WERE NOT DIGGING SO IT WAS POSSIBLE TO BE IN THE GRID AND SURROUNDING AREA.	1
1420	6	5	WALKED BACK TO TOAD POND ESA, GPS'D AND PHOTOGRAPHED	1
1500	6	5	RE-EXAMINED AREA NEAR GRID, DETERMINED THIS HIDDEN DEPRESSION COULD POSSIBLY HOLD WATER FOR TOADS. LOCATED @ [708426E/3721957N] AND PHOTOGRAPHED.	1
1520	6	5	RE-EXAMINED KIT FOX DEN SITE WHICH I HAD THOUGHT WAS INACTIVE DUE TO VERY LITTLE SIGN. SCAT APPEARED	1
"	"	"	AGED AND NO FRESH DIGGING OR PRINTS. HOWEVER, IT RAINED HERE WITHIN THE LAST 3 WEEKS AND SOILS WERE CRUSTED. <del>THE</del> THE COMPLEX MEASURES 25' X 25', WITH 9 HOLES. WITH CAREFUL INSPECTION TRAILS CAN BE SEEN	"
"	"	"	INSIDE 3 ENTRANCES (PROTECTED FROM WIND & RAIN.) AS I GOT UP TO WALK AWAY, A KITFOX BOLTED FROM THE SITE!	"
"	"	"	THIS COMPLEX IS JUST 22 METERS FROM THE WESTERN EDGE OF THE UXO GRID. CREWS DO NOT WALK OUTSIDE WORK GRID. DEPARTED SITE - TRAVEL TO TOWN	"
1600 1615 1800 1900	6	5	PHOTOS, MAP, REPORT, DOWNLOADS, EMAILS	1

Activity (ACT)<sup>1</sup>

- 1. DT Fencing
- 2. Access/egress
- 3. Clear/grub
- 4. Grading
- 5. Excavation
- 6. UXO Activities
- 7. SWPPP
- 8. Other (specify)

Location (LOC)<sup>2</sup>

- 1. DT Fence
- 2. Well Site
- 3. Access Road
- 4. Drainage Crossings
- 5. Other Access/Utility Row
- 6. Other \_\_\_\_\_
- 7. Other \_\_\_\_\_

Compliance Levels (CL)<sup>3</sup>

- 1. Acceptable
- 2. Notification
- 3. Non-compliance
- 4. Non-compliance Resolution

Signature: \_\_\_\_\_

*Tina Poole*

**Daily Biological Monitoring Log – Blythe Solar Power Project**

**Solar Millennium BSPP Phase 1A Construction**

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	TINA POOLE		Date:	10 November 2010	
Starting Location and Activity:	UTILITY & ACCESS CORRIDOR UXO CLEARANCE		Site Code:	Blythe	
Weather: CLEAR, SLIGHT BREEZES		Start 05:45AM	Midday 12:30	End : PM	
Rainfall? Y (N)	Temp:	50°C	21.8°C	—	—
	% Cloud Cover:	∅	∅	—	—

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 For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882  
 For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242  
 In emergencies, dial 911

Condition	Compliance?	Comments
A) Site checked for biota prior to construction?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	NO EXCAVATIONS TODAY
I) Construction outside of DT exclusion fence with AB/BM present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) No standing water, note check times/locations	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
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O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Special status species observed? Describe NONE	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature: \_\_\_\_\_

*Tina Poole*



**Daily Biological Monitoring Log – Blythe Solar Power Project**

**Solar Millennium BSPP Phase 1A Construction**

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

Biological Monitor:	TINA POOLE		Date:	11 NOVEMBER 2010	
Starting Location and Activity:	UTILITY/ACCESS ROW UXO CLEARANCE AND EXCAVATIONS		Site Code:	Blythe	
Weather:	START: CLEAR + CALM END: CLEAR + WINDS 10-15mph gusts to 25mph	Start	Midday	End AM	
		06:15AM	:	09:30 PM	
Rainfall?	Temp:	8.2°C	/		
Y <input checked="" type="radio"/> N <input type="radio"/>	% Cloud Cover:	Ø			

**ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE**

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Condition	Compliance?	Comments
A) Site checked for biota prior to construction?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
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F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	UXO WORK COMPLETED TODAY. ALL EXCAVATIONS FILLED IN.
I) Construction outside of DT exclusion fence with AB/BM present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) No standing water, note check times/locations	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion pit control (eg. silt fences) present and functioning	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	NONE

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature: Tina Poole



**Daily Biological Monitoring Log – Blythe Solar Power Project**

**Solar Millennium BSPP Phase 1A Construction**

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

<b>Biological Monitor:</b>	Rob Conahan	<b>Date:</b>	Nov / 29 / 2010		
<b>Starting Location and Activity:</b>	Cultural Resource Monitor	<b>Site Code:</b>	Blythe		
<b>Weather:</b>	windy 720 mph	<b>Start AM</b>	<b>Midday</b>	<b>End</b>	
			1:00 pm	3:00 PM	
<b>Rainfall?</b>	<b>Temp:</b> 57°				
<b>Y (N)</b>	<b>% Cloud Cover:</b> 25				

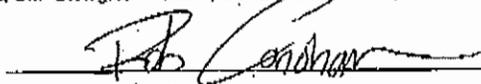
**ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE**

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival  
 For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882  
 For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242  
 In emergencies, dial 911

Condition	Compliance?	Comments
A) Site checked for biota prior to construction? Exclusion fence intact?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Wildlife pitfall (trenches/bore) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status (ramps/covered/capped @ end of day)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
I) Construction outside of DT exclusion fence with AB/BM present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) No standing water, note check times/locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature:





**Daily Biological Monitoring Log – Blythe Solar Power Project**  
**Solar Millennium BSPP Phase 1A Construction**  
 USFWS Biological Opinion FWS-ERIV-09B0186-10F0880  
 California Energy Commission Final Conditions of Certification 09-AFC-6

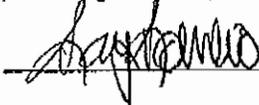
<b>Biological Monitor:</b>	Ray Romero		<b>Date:</b>	11/29/10	
<b>Starting Location and Activity:</b>	2 well site		<b>Site Code:</b>	Blythe	
<b>Weather:</b>	cool, windy clear skies	<b>Start</b>	08:00 AM	<b>Midday</b>	12:00
				<b>End</b>	5:00 PM
<b>Rainfall?</b>	<b>Temp:</b>	49°F		56°F	
Y/N	<b>% Cloud Cover:</b>	210%		<10%	

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 Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival  
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 For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242  
 In emergencies, dial 911

Condition	Compliance?	Comments
A) Site checked for biota prior to construction? Exclusion fence intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	site checked NO fencing yet
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Secured equip - roader & well crew
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	well crew trained
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	within boundaries
E) Night lighting avoids wildlife habitat	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	NO night work
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	work in day
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	checked for DT magnets on tires
H) Wildlife pitfall (trenches/bore) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status (ramps/covered/capped @ end of day)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	no trenches
I) Construction outside of DT exclusion fence with AB/BM present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	NO fencing yet. AB's onsite
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	equip delivery
K) No standing water, note check times/locations	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	NO H2O tank, no tank mate
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	no roadkill
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	no spills
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	no trash
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	NO SWAPP in place yet
Q) Cacti salvaged	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	not salvaged yet
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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Signature: \_\_\_\_\_



Monitor: XXXXXXXXXX

Date: 11/29/10

Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.

Time	ACT <sup>1</sup>	LOC <sup>2</sup>	Notes/Comments	CL <sup>3</sup>
0800	Trng	office	At ACCOM office for UETA & Growth Submittal for new staff.	
1030	Trng	office	Go over field notebook contents w/ staff. Review roles/responsibilities/tasks, etc.	
1100	well	well	Escort well crew w/ feathered boom truck to well site. Staged trucks for well work. Took about 1.5 hrs for crew to setup and leave trucks in place overnight. Start work in morning @ 0700.	
1230	well	well	Go over site orientation w/ staff. Layout plan for day. Rocky & Julie will search staging area for spaces in prep for equip & materials staging tomorrow.	
1400	well	well	Escort skip loader on lowbay into well site. Offload equip. Coordinate w/ Rocky & Julie. They are making cacti w/ flagging tape & pinflagging.	
1630	well	well	Escort lowbay from well site to Highway.	
1700	well	well	Depart for day	

- Activity (ACT)<sup>1</sup>**
- 1. DT Fencing
  - 2. Access/Egress
  - 3. Clear/grub
  - 4. Grading
  - 5. Excavation
  - 6. UXO Activities
  - 7. SWPPP
  - 8. Other (specify)

- Location (LOC)<sup>2</sup>**
- 1. DT Fence
  - 2. Well Site
  - 3. Access Road
  - 4. Drainage Crossings
  - 5. Other \_\_\_\_\_
  - 6. Other \_\_\_\_\_
  - 7. Other \_\_\_\_\_

- Compliance Levels (CL)<sup>3</sup>**
- 1. Acceptable
  - 2. Notification
  - 3. Non-compliance
  - 4. Non-compliance Resolution

Signature: XXXXXXXXXX

**Daily Biological Monitoring Log – Blythe Solar Power Project**

**Solar Millennium BSPP Phase 1A Construction**

USFWS Biological Opinion FWS-ERIV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

<b>Biological Monitor:</b>	Rob Cochran		<b>Date:</b>	Nov/30/2016	
<b>Starting Location and Activity:</b>	5MB-M-CT-001		<b>Site Code:</b>	Blythe	
<b>Weather:</b>	Cool, light breeze	<b>Start</b>	<b>Midday</b>	<b>End</b>	
		7:00 AM	12:30	3:00 PM	
<b>Rainfall?</b>	<b>Temp:</b>	39°	61°	59°	
<b>Y/N</b>	<b>% Cloud Cover:</b>	0% C/C	0%	25%	

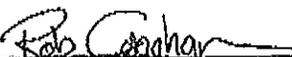
**ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE**

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival  
 For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882  
 For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242  
 In emergencies, dial 911

Condition	Compliance?	Comments
A) Site checked for biota prior to construction? Exclusion fence intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Wildlife pitfall (trenches/bore) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Pits were filled prior to end of day
I) Construction outside of DT exclusion fence with AB/BM present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) No standing water, note check times/locations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

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Signature:



Monitor: Rob Consha Date: Nov 30/2010

Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.

Time	ACT <sup>1</sup>	LOC <sup>2</sup>	Notes/Comments	CL <sup>3</sup>
7:00am	8. CUL-MON		Conducted Biological Monitoring and cleared sites <del>SMB-H-166</del>	1
			<del>CA-RIV-3419 - SMB-H-166.</del>	
			SMB-M-CT-001 surface scrape and shallow excavation	
8:25am			was conducted. No Biological resources were observed	
			DATA were filled in at the end of the day (2:45pm)	
			SMB-H-166 - Area surveyed by cultural w metal	
			detectors. No excavations. No Bio Resources.	
			CA-RIV-3419 - conducted surveys at	
			J116-10, J0112-10, J1106-10, J105-10, J1094-10, J	
			J5108-10. No excavations conducted. No Bio Resources	
			observed.	

- |                                   |                    |                                   |                |   |
|-----------------------------------|--------------------|-----------------------------------|----------------|---|
| <u>Activity (ACT)<sup>1</sup></u> |                    | <u>Location (LOC)<sup>2</sup></u> |                | <u>Compliance Levels (CL)<sup>3</sup></u> |
| 1. DT Fencing                     | 5. Excavation      | 1. DT Fence                       | 5. Other _____ | 1. Acceptable                             |
| 2. Access/egress                  | 6. UXO Activities  | 2. Well Site                      | 6. Other _____ | 2. Notification                           |
| 3. Clear/grub                     | 7. SWPPP           | 3. Access Road                    | 7. Other _____ | 3. Non-compliance                         |
| 4. Grading                        | 8. Other (specify) | 4. Drainage Crossings             |                | 4. Non-compliance Resolution              |

Signature: Rob Consha

**Daily Biological Monitoring Log – Blythe Solar Power Project**

**Solar Millennium BSP Phase 1A Construction**

USFWS Biological Opinion FWS-ERV-09B0186-10F0880

California Energy Commission Final Conditions of Certification 09-AFC-6

<b>Biological Monitor:</b>	Ray Romero	<b>Date:</b>	11/30/10
<b>Starting Location and Activity:</b>	Well site/staging area	<b>Site Code:</b>	Blythe
<b>Weather:</b>	30% stacked clouds light breeze, cool	<b>Start</b>	07:30 AM
		<b>Midday</b>	12:00
		<b>End</b>	5:30 PM
<b>Rainfall?</b>	<b>Temp:</b>	48°F	55°F
	<b>% Cloud Cover:</b>	30	30
<b>Y N</b>			

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE

Contact Designated Biologist Ray Romero (AECOM) (714) 567-2786 and Kiewit POC or foreman on arrival  
 For health and safety issues, please contact the Health and Safety Director (AECOM) Jennifer Guigliano (619) 764-6882  
 For UXO issues, contact Health and Safety Director (above) and UXO Specialist Dan McKinnon (937) 219-5242  
 In emergencies, dial 911

Condition	Compliance?	Comments
A) Site checked for biota prior to construction? Exclusion fence intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Coord w/ Kiewit on staging area for boxes, fencing, equip.
B) Speed limit 25mph, no off road activity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	I escorted heavy trucks, equip
C) Crew trained on biological minimization measures?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Crew trained w/ stackers
D) Construction activities outside of plant site designed to avoid impacts to biological resources	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	within boundaries
E) Night lighting avoids wildlife habitat	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	no night work
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	work in Nov.
G) Vehicles/equipment checked for DT prior to movement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	magnets on vehicles
H) Wildlife pitfall (trenches/bore) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day]	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	no trenches/bore
I) Construction outside of DT exclusion fence with AB/BM present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Birds present, no fence yet
J) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	in designated areas
K) No standing water, note check times/locations	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	No H2O onsite, well pump being installed
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	No roadkill observed.
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	No spills
N) Trash/food in sealed containers, removed daily	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	no litter observed
O) No pets/firearms/weapons, wildlife not fed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) Erosion control (eg. silt fences) present and functioning	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	fences not installed yet
Q) Cacti salvaged	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Salvage later
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

AB=Authorized Biologist, BM=Biological Monitor, DT=Desert Tortoise, COC=California Energy Commission Conditions of Certification

Signature:

*Ray Romero*

Monitor: *PH. Romero*

Date: *11/30/10*

Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.

Time	ACT <sup>1</sup>	LOC <sup>2</sup>	Notes/Comments	CL <sup>3</sup>
<i>0730</i>	<i>well</i>	<i>well</i>	<i>meet Kiewit at well/staging area. Coordinate on where materials &amp; equip will be staged.</i>	
<i>0830</i>	<i>well</i>	<i>well</i>	<i>Coordinate w/ staff on tasks for the day. Escort water tank &amp; fencing materials into site. Offload &amp; stage.</i>	
<i>1130</i>	<i>well</i>	<i>well</i>	<i>Escort tanks off site &amp; escort 3 flatbeds w/ conex boxes into the site. Offloading &amp; staging.</i>	
<i>1330</i>	<i>well</i>	<i>well</i>	<i>Many Dups (CEC), Nicole T., Amanokaps, &amp; others onsite. I showed them around site &amp; explained activities.</i>	
<i>1430</i>	<i>well</i>	<i>well</i>	<i>Coord w/ Kiewit on upcoming tasks.</i>	
<i>1530</i>	<i>well</i>	<i>well</i>	<i>Escort 3 tanks off site. I pickup &amp; escort 2 addtl tanks from 76 station to well site. 2 tanks have compressor, tank &amp; misc. equip &amp; materials.</i>	
<i>1630</i>	<i>well</i>	<i>well</i>	<i>Back at well site. Off loading tanks.</i>	
<i>1730</i>	<i>well</i>	<i>well</i>	<i>Escort tanks out &amp; depart for day.</i>	

**Activity (ACT)<sup>1</sup>**

- 1. DT Fencing
- 2. Access/egress
- 3. Clear/grub
- 4. Grading
- 5. Excavation
- 6. UXO Activities
- 7. SWPPP
- 8. Other (specify)

**Location (LOC)<sup>2</sup>**

- 1. DT Fence
- 2. Well Site
- 3. Access Road
- 4. Drainage Crossings
- 5. Other \_\_\_\_\_
- 6. Other \_\_\_\_\_
- 7. Other \_\_\_\_\_

**Compliance Levels (CL)<sup>3</sup>**

- 1. Acceptable
- 2. Notification
- 3. Non-compliance
- 4. Non-compliance Resolution

Signature:

*PH. Romero*

**ATTACHMENT 5**

**PRE-CONSTRUCTION SURVEY DATA FORMS**





Project: SM Site: Butte Date: 11/22/10 Surveyor: SDA, RBR, VNU, RRO GPS Unit: 1119, 16, 10

Other Species Detected (list sensitive wildlife species and plants detected. For special-status that are to be avoided, salvaged, or relocated in association with the construction phase record IDENT Code, GPS Coordinates, and relevant notes [e.g., nesting]):

- None -

Additional Comments/Notes:

A 10 to 20 m ~~buffer~~ buffer was surveyed on each side of the access road (road from Butte to well site) to ensure that no active desert tortoise or burrowing owl burrows were present. This was a precautionary measure to make sure that no take of species through the use of an already existing dirt road would occur.

BURROWING OWL (BUOW) PREACTIVITY/PRECONSTRUCTION SURVEY DATA SHEET

340 42  
800 805 830  
430  
100 110 120  
555  
625  
Precip. 0  
Cloud Cover (%) 56

Project: SM Site: Baythe Date: 11/23/10

GPS Unit	Surveyor(s)	Time	Temp (°F)	Wind (mph, or Beaufort)	Precip.	Cloud Cover (%)
IL	SDA, RBR, VNU	Start End				
		07:00 AM 1:20 PM			0	56

including burrow check for AFA, Dugger & DT burrows/8/9/10

Potential BUOW Burrows:

Survey Type (Transect/ Focused) (include time for focused)		Map Sheet	Burrow ID (GPS IDENT Code*)	Burrow complex? (Y/N)	GPS Coordinates for Burrows (NAD 83 Zn 11N)	Burrow Width and Height (in.)	Est. Burrow Depth (in.)	BUOW or Sign Present <sup>2</sup> (list all that apply)	Burrow Status <sup>3</sup> (A, PA, S, NS)	Comments (Note burrow/complex characteristics and sign condition [fresh, etc.]. List photo references here, if present, # ows, pair status, age, sex, behavior, etc.)
Transect			<del>BBCVW301</del> BBCVW301		0710237 / 3727753					cholla 1 1/2'
Transect			BBCVW302		0710316 / 3727728					cholla 1 1/2'
"			BBCVW303		0710237 / 3727755					cholla 1'
"			BBCVW304		0710229 / 3727757					cholla 1'
"			BBCVW305		0710213 / 3727752					cholla 8"
"			BBCRB306		0710175 / 3727747					cholla 1'
"			BBCVW307		0710172 / 3727787					cholla 1'
"			BBCRB308		0710181 / 3727791					cholla 8"
"			BBCSD309		0710170 / 3727796					cholla 1' & cholla one 5' to south
"			BBCSD310		0710335 / 3727806					cholla 8"
"			BBCVW311		0710299 / 3727816					cholla 2 3'

\*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., PBSSD001). See page 4 for nomenclature and codes.

<sup>1</sup> Does the Burrow ID represent a complex of multiple burrows? Y = Yes, multiple burrows forming a complex are represented by this Code; N = No, only one burrow is represented by this Code.

<sup>2</sup> BUOW or Sign Present: O-Owl, W-Whitewash, P-Pellets, T-BUOW Tracks, B-Bones (from degraded pellets), F-Feathers, P-prey remains, E-Eggshell fragments, St-Sticks, NONE-no sign detected.

<sup>3</sup> Burrow Status: A = Active (BUOW occupancy is confirmed by visual detection of live owl observed at burrow, or clear presence of fresh sign --sign of recent use), PA = Potentially Active (BUOW occupancy not confirmed, but sign condition indicates possible use during current year), S = Suitable (No evidence of recent use by BUOW, but burrow is suitable), NS = Not Suitable (burrow not suitable for BUOW).

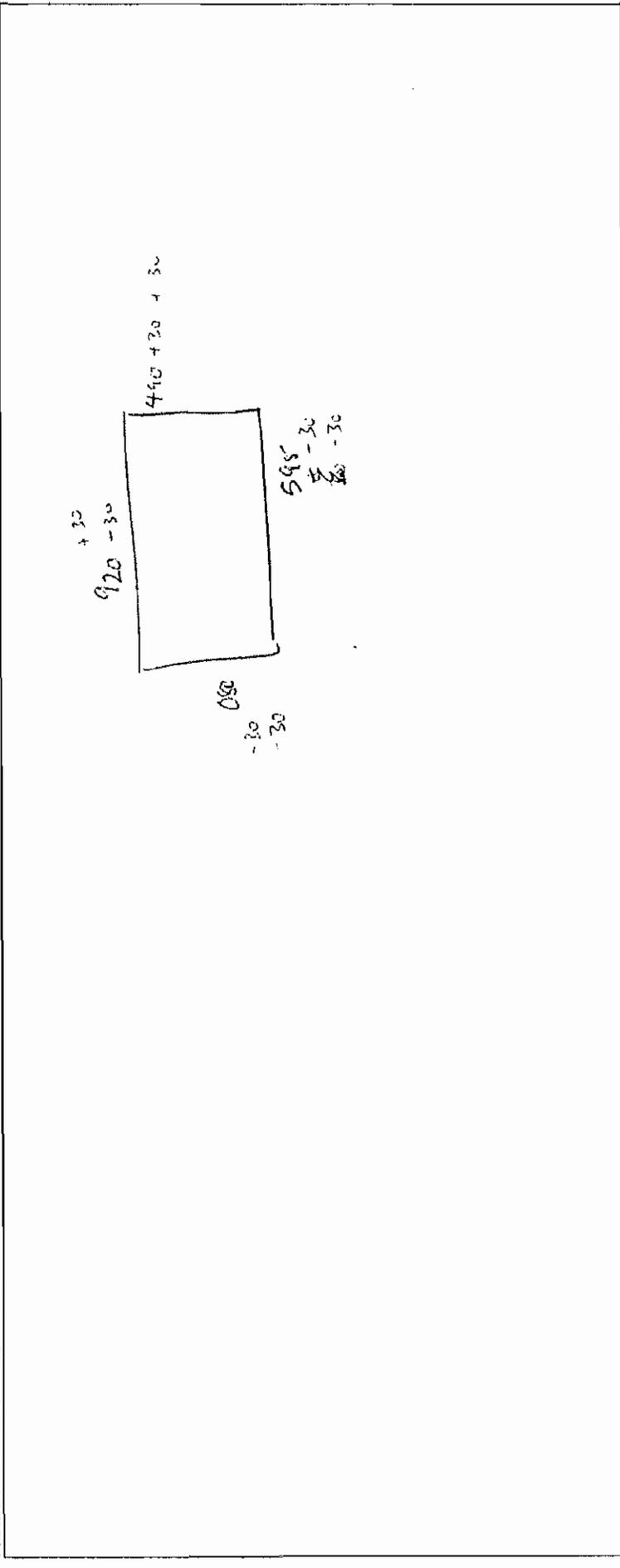
Reviewed by surveyor (initials, date): \_\_\_\_\_ Approved by team leader (initials, date): \_\_\_\_\_

Other Species Detected (list sensitive wildlife species and plants detected. For special-status species that are to be avoided, salvaged, or relocated in association with the construction phase record IDENT Code, GPS Coordinates, and relevant notes (e.g., nesting)):

BKBSD 301 0710120/3727671 one potential Kfox burrow in complex, Kfox scat present, suitable for WSO/OT, possibly just ~~excavation~~ <sup>excavation</sup> remains

BKBW 302 0710110/3727555 2 pot Kfox burrows/Brown possible too old per Kfox scat and old Brown pellet found, far enough away that ex. fence is recommended.

Additional Comments/Notes:



**USFWS 2010 DESERT TORTOISE CLEARANCE SURVEY REPORTING DATA SHEET**

rodryb@usfws.gov rodryb@usfws.gov

BO#: ERIV-09130186-IDF0880

Date of survey: 11/29/10 (day, month, year) Survey biologist(s): Julie Roth julieroth@arc.com

Project Name: Blythe Phase 1A Site description: test vid.

County: Riverside Quad: Zone: Location: Yuma 9 0710122 3787700 Clearance #: 2nd

(UTM coordinates, lat-long, and/or TRS; datum) (is this transect part of the 1<sup>st</sup>, 2<sup>nd</sup>, etc. clearance of project area?)

**Live Tortoises**

Detection number	Date	GPS location Easting	GPS location Northing	MCL (mm)	Existing tag # and color, if present	Transmitter #	Animal visually healthy (Y/N)	Disposition (<5km or >5km move)	If <5km move, Release site location Easting	If <5km move, Northing	If >5km move, blood sample #
1	no	detection	of	desert	tortoise						
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											

NOTE - WHITE OWL BURROW SEEN ~ 140 m NW PART OF BK6VW302

BURROWING OWL (BUOW) PREACTIVITY/PRECONSTRUCTION SURVEY DATA SHEET

Page 1 of 1

Project: SM Site: Blightie Access Rd. Date: 11/30/10

Wind (mph, or Beaufort)	Precip.	Cloud Cover (%)
Temp (°F)		
Time		
Start 10:00		
End 4:15 pm		

GPS Unit	Surveyor(s)
Smile	Rocky Brown / Jake Roth

Potential BUOW Burrows:

		During Transect Surveys Only							
Survey Type (Transect/ Focused) [include time for focused]	Map Sheet	Burrow ID (GPS IDENT Code*)	Burrow complex? (Y/N)	GPS Coordinates for Burrows (NAD 83 ZN 11N)	Burrow Width and Height (in.)	Est. Burrow Depth (in.)	BUOW or Sign Present? (list all that apply)	Burrow Status (A, PA, S, NS)	Comments (Note burrow/complex characteristics and sign condition (fresh, etc.). List photo references here, if present, # ows, pair status, age, sex, behavior, etc.)
Tsect	X	BBPRB301	N	709471E 3727768N			P	NA	Potential owl pellet at entrance to potential burrows ~ 5-10 m east was KF sign.
Tsect	X	BBPRB302	N	710044E 3727451N			P	NA	~ 250 m from BK6VW302 2 photos of pellet (JK001, JK002) N/A long. Recent looking owl BUOW pellet. Found inside rotting piece of soccer ball - spot exposed to sun.
Focused	X	BKBSD301	Y				P (potential)		N/A long, One photo w/ ruler for scale. Y (JK003)
Focused	X	BK6VW302	Y				P		both look inactive. NO recent sign BK6VW302 with cowbirds over 1 of 2 burrow entrances.

\*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., PBBSD001). See page 4 for nomenclature and codes.

Does the Burrow ID represent a complex of multiple burrows? Y = Yes, multiple burrows forming a complex are represented by this Code; N = No, only one burrow is represented by this Code.

BUOW or Sign Present: O-Owl, W-Whitewash, P-Pellets, T-BUOW Tracks, B-Bones (from degraded pellets), F-Feathers, Pr-prey remains, EF-Eggshell fragments, St-Sticks, NONE-no sign detected.

Burrow Status: A = Active (BUOW occupancy is confirmed by visual detection of live owl observed at burrow, or clear presence of fresh sign - sign of recent use), PA = Potentially Active (BUOW occupancy not confirmed, but sign condition indicates possible use during current year), S = Suitable (No evidence of recent use by BUOW, but burrow is suitable), NS = Not Suitable (burrow not suitable for BUOW).

Revised by surveyor (initials, date): \_\_\_\_\_ Approved by team leader (initials, date): \_\_\_\_\_

Project: SM Site: BSPP Date: 11/30/10 Surveyor: <sup>primary & owner</sup> Julie Bath GPS Unit: SM16

Other Species Detected (list sensitive wildlife species and plants detected. For special-status species that are to be avoided, salvaged, or relocated in association with the construction phase record IDENT Code, GPS Coordinates, and relevant notes [e.g., nesting]):

Cholla seen - will be flagged when DT clearance survey conducted.

Additional Comments/Notes:

\* This clearance survey applies to the east-west access road from the test well site west for ~ 1,000m - or 3,000 ft. (includes disturbance area plus 500 ft buffer.)

Reviewed by surveyor (initials, date): \_\_\_\_\_ Approved by team leader (initials, date): \_\_\_\_\_

**USFWS 2010 DESERT TORTOISE CLEARANCE SURVEY REPORTING DATA SHEET**

Date of survey: 11/30/10 (day, month, year) Survey biologist(s): Rody Brown rocky.brown@aacorn.com  
Julie Roth julieroth@aacorn.com BO#: ERIV-09B0185-10FD350  
 (name, email, and phone number)

Project Name: Blythe Phase 1A Site description: est. wet (general location, size)

County: Riverside Quad: \_\_\_\_\_ Location: vicinity of DT10100 Clearance #: 2nd (UTM coordinates, lat-long, and/or TRS; datum) (is this transect part of the 1<sup>st</sup>, 2<sup>nd</sup>, etc. clearance of project area?)

**Live Tortoises**

Detection number	Date	GPS location Easting	GPS location Northing	MCL (mm)	Existing tag # and color, if present	Transmitter #	Animal visually healthy (Y/N)	Disposition (<5km or >5km move)	If <5km move, Release site location Easting	If <5km move, Release site location Northing	If >5km move, blood sample #
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											

AMERICAN BADGER/DESERT KIT FOX PRE-CONSTRUCTION CLEARANCE SURVEY DATA SHEET

Project: **SM** Site: Buthe Date: 11/30/10

Start	Time	Temp (°F)	Wind (mph, or Beaufort)	Precip.	Cloud Cover (%)
End	1:00 pm	165°F	variable	clear 0%	5%

GPS Unit	Surveyor(s)
16	Jodie Roth Dariusz Brasin

Potential Burrows:

		During Transect Surveys Only									
Survey Type (Transect/ Focused)	Badger or Kit Fox	Map Sheet	Burrow ID (GPS IDENT Code*)	Burrow complex? (Y/N)	GPS Coordinates for Burrows (NAD 83 Zn 11N)	Burrow Width and Height (in.)	Est. Burrow Depth (in.)	Individual or Sign Present? (list all that apply)	Burrow Status <sup>3</sup> (A, PA, S, NS)	Comments (Note burrow/complex characteristics and sign condition [fresh, etc.]. List photo references here. If present, # of animals, behavior, etc.)	
Transect			-all burrows		asked 00	200m x 100m		Sign present		200m x 100m of displaced earth 100m across with 700m wall	
										Completed 1000 m x 3000 ft	
										WSD, AS, & E clearing of 200	
										road, including 500' buffer	

\*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., PBBSD001). See page 4 for nomenclature and codes.  
 †Does the Burrow ID represent a complex of multiple burrows? Y = Yes, multiple burrows forming a complex are represented by this Code; N = No, only one burrow is represented by this Code.  
 ‡ Animal or Sign Present: B-Badger, F-Desert Kit Fox, T-Tracks, NONE-no sign detected.  
 § Burrow Status: A = Active (occupancy is confirmed by visual detection of fox or badger at burrow), PA = Potentially Active (fox or badger occupancy not confirmed, but sign indicates possible use), S = Suitable (No evidence of recent use by fox or badger, but burrow is suitable), NS = Not Suitable (burrow not suitable for fox or badger).  
 Reviewed by surveyor (initials, date): \_\_\_\_\_ Approved by team leader (initials, date): \_\_\_\_\_

Project: SM Site: Blue Date: 11/30/10 Surveyor: Tina P. [unclear] GPS Unit: 16

Other Species Detected (list sensitive wildlife species and plants detected. For special-status that are to be avoided, salvaged, or relocated in association with the construction phase record IDENT Code, GPS Coordinates, and relevant notes [e.g., nesting]):

[Empty box for recording other species detected]

Additional Comments/Notes:

[Empty box for additional comments/notes]

NOTE: WITH WINDY WEATHER - 140 MPH WINDS OF BK6VW302.

BURROWING OWL (BUOW) PREACTIVITY/RECONSTRUCTION SURVEY DATA SHEET

Page 1 of 1

Project: SM Site: Blithe Access Rd. Date: 11/30/10

Start	End	Time	Temp (°F)	Wind (mph, or Beaufort)	Precip.	Cloud Cover (%)
10:00				very light	0	~10
4:15 pm				very little	0	~15%

GPS Unit	Surveyor(s)
Smile	Rocky Brown / Julie Roth

Potential BUOW Burrows:

		During Transect Surveys Only							
Survey Type (Transect/ Focused) [Include time for focused]	Map Sheet	Burrow ID (GPS IDENT Code*)	Burrow complex? (Y/N)	GPS Coordinates for Burrows (NAD 83 Zn 11N)	Burrow Width and Height (in.)	Est. Burrow Depth (in.)	BUOW or Sign Present? (list all that apply)	Burrow Status <sup>1</sup> (A, PA, S, NS)	Comments (Note burrow/complex characteristics and sign condition (fresh, etc.). List photo references here, if present, # ovis, pair status, age, sex, behavior, etc.)
Tsect	X	BBPRB301	N	709971E 3727768N	—	—	P	NA	Potential owl pellet at entrance to potential burrows - ~5-10 m east was KF sign.
Tsect	X	BBPRB302	N	710044E 3727451N	—	—	P	NA	~2150 m from BK6VW302 2 photos of pellet (JK001, JK002) N/A long. Recent looking owl BUOW pellet. Found inside hollow piece of soccer ball - sand exposed to sun.
Focused	X	BKBSD301	Y		—	—	P (potential)		~1" long; One photo of inlet for scale. Y (JK003)
Focused	X	BK6VW302	Y		—	—	P		both look inactive. <del>JK003</del> no recent sign BK6VW302 with cabinets over 1 of 2 burrow entrances.

\*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., PBBS0001). See page 4 for nomenclature and codes.

<sup>1</sup> Does the Burrow ID represent a complex of multiple burrows? Y = Yes, multiple burrows forming a complex are represented by this Code; N = No, only one burrow is represented by this Code.

<sup>2</sup> BUOW or Sign Present: O-Owl, W-Whitewash, P-Pellets, T-BUOW Tracks, B-Bones (from degraded pellets), F-Feathers, Pr-prey remains, Ef-Eggshell fragments, St-Sticks, NONE-no sign detected.

<sup>3</sup> Burrow Status: A = Active (BUOW occupancy is confirmed by visual detection of live owl observed at burrow, or clear presence of fresh sign - sign of recent use), PA = Potentially Active (BUOW occupancy not confirmed, but sign condition indicates possible use during current year), S = Suitable (No evidence of recent use by BUOW, but burrow is suitable), NS = Not Suitable (burrow not suitable for BUOW).

Reviewed by surveyor (initials, date): \_\_\_\_\_ Approved by team leader (initials, date): \_\_\_\_\_

Project: SM Site: BSPP Date: 11/30/10 Surveyor: <sup>revisy down</sup> Julie Bath GPS Unit: Sm16

Other Species Detected (list sensitive wildlife species and plants detected. For special-status species that are to be avoided, salvaged, or relocated in association with the construction phase record IDENT Code, GPS Coordinates, and relevant notes [e.g., nesting]):

Cholla seen - will be flagged when DT clearance survey conducted.

Additional Comments/Notes:

\* This clearance survey applies to the east-west access road from the test well site west for ~1,000m - or 3,000 ft. (includes disturbance area plus 500 ft buffer.)

Reviewed by surveyor (initials, date): \_\_\_\_\_ Approved by team leader (initials, date): \_\_\_\_\_

## Memorandum

To Nicole Tenenbaum  
Compliance Program Manager  
Solar Millennium, LLC

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Page 1

Subject Monthly Report of Cultural Resources Monitoring Activities for  
the Blythe Solar Power Project – November 2010

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From Stacey Jordan, Cultural Resources Specialist

---

Date December 10, 2010

---

This technical memorandum covers cultural resources monitoring activities at the BSPP site for the month of November 2010 under CUL-16, Construction Monitoring Program.

### **Personnel Active in Cultural Monitoring This Period**

Stacey Jordan was on-call as the Cultural Resources Specialist (CRS) for this month.

### **Monitoring and Associated Activities This Period**

No cultural resources monitoring of construction compliance activities occurred in November.

### **Cultural Resources Discoveries This Period**

None.

### **Anticipated Changes in the Next Period**

None.

### **Comments, Issues or Concerns**

No construction compliance activities occurred in the month of November that required cultural resources monitoring of activities. At the request of BLM, a cultural resources monitor was present during munitions of concern (MEC)/unexploded ordnance (UXO) survey clearance activities that occurred along the access road from November 1 through November 12 in order to ensure avoidance of cultural resources and observe any necessary subsurface ground-truthing. No new discoveries or issues were identified during the MEC/UXO monitoring.



ENVIRONMENTAL CONSULTANTS

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www.swca.com

Nicole C. Tenenbaum  
Compliance Program Manager  
Solar Millennium, LLC  
1111 Broadway, 5<sup>th</sup> Floor  
Oakland, CA 94607

December 6, 2010

**RE: PAL-5, Summary of paleontological monitoring and mitigation activities at the Blythe Solar Power Project (BSPP) for the period of November 2010.**

Dear Ms. Tenenbaum,

This letter is to update you on SWCA Environmental Consultants' paleontological monitoring and mitigation activities at the BSPP site during the period of November 1st to November 30<sup>th</sup>, 2010. No paleontological monitoring occurred during this period due to the nature of the pre-construction activities undertaken at the project site. No paleontological resources were discovered and no issues or concerns regarding paleontological resources were identified during this time.

It is a pleasure working with you on this project. If you have any questions please do not hesitate to contact me.

Respectfully,

A handwritten signature in black ink that reads "Cara Corsetti". The signature is written in a cursive, flowing style.

Cara Corsetti, M.S.  
Office Principal  
Paleontological Resources Specialist, BSPP

## Memorandum

To Nicole Tenenbaum  
Compliance Program Manager  
Solar Millennium, LLC

---

Page 1

Subject Monthly Report of Compliance Activities for  
the Blythe Solar Power Project – Soil and Water  
November 2010

---

From Mike Flack, PG, CEG  
Soil and Water Technical Lead

---

Date December 10, 2010

---

This technical memorandum covers compliance activities at the BSPP site under the Project's Conditions of Certification (COCs) for Soil and Water during the month of November 2010.

### Personnel Active in This Period

Mike Flack was on-call as the Soil and Water Technical Lead for this month.

### Activities This Period

- AECOM staff continued to work to secure access to offsite water supply wells under COC Soil and Water-5. Specifically, we are working with County of Riverside, BLM, USGS and Gila Farms to access wells on their property so that water levels can be monitored before and during construction.
- Staff continued to pursue water offset options through the BLM.

### Comments, Issues or Concerns

None.

Blythe Solar Power Project  
(09-AFC-6C)

Monthly Compliance Report #1

Exhibit 7  
Worker Environmental Awareness Training  
Sign-In Sheets

## Certification of Completion Worker Environmental Awareness Program Blythe Solar Power Project (09-AFC-6)

This is to acknowledge these individuals have completed a mandatory California Energy Commission-approved Worker Environmental Awareness Program (WEAP). The WEAP includes pertinent information on cultural, paleontological, and biological resources for all personnel (that is, construction supervisors, crews, and plant operators) working on site or at related facilities. By signing below, the participant indicates that he/she understands and shall abide by the guidelines set forth in the program materials. Include this completed form in the Monthly Compliance Report.

No.	Employee Name	Title/Company	Signature
1.	Juan Palacios	Flagsol	Juan Palacios
2.	You Jin Kim	Flagsol / Str. Eng.	[Signature]
3.	Sze Wan Lam	Flagsol Processing	Sze Wan Lam
4.	Natasha Gayle	Office Admin / SMLC	[Signature]
5.	Miroslaw Tomaszewski	Compliance Program Mgr.	[Signature]
6.	JENNIFER GAVALDON	Comp. Specialist / SMLC	[Signature]
7.	Off Herrmann	CEO / Flagsol	[Signature]
8.	Wanda Cea	Engineer/Inspec (Flagsol)	Wanda Cea
9.	Jim Migliore	Solar Millenium	[Signature]
10.	Maggie Wilkerson	Doc Control Supp	[Signature]
11.	Rachul Mumukshu	Dir, Govt Affairs	[Signature]
12.	Michael D. Tagle	VP of Finance	Michael D. Tagle
13.	Alice Herron	sr. Dir. Development	[Signature]
14.	Subbendu Banerjee	Solar Millenium	[Signature]
15.	Andrea Elliott	Sp. Mgr. Communications, SMLC	[Signature]
16.	Elizabeth Ingram	Project Mgr. Development	[Signature]
17.	Stephan Maier	In Fern	[Signature]
18.			
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30.			

Cultural Trainer: J. Gavaldon Signature: [Signature] Date: 11/01/10

Paleo Trainer: J. Gavaldon Signature: [Signature] Date: 11/01/10

Biological Trainer: J. Gavaldon Signature: [Signature] Date: 11/01/10

11/08/10

## Certification of Completion Worker Environmental Awareness Program Blythe Solar Power Project (09-AFC-6)

This is to acknowledge these individuals have completed a mandatory California Energy Commission-approved Worker Environmental Awareness Program (WEAP). The WEAP includes pertinent information on cultural, paleontological, and biological resources for all personnel (that is, construction supervisors, crews, and plant operators) working on site or at related facilities. By signing below, the participant indicates that he/she understands and shall abide by the guidelines set forth in the program materials. Include this completed form in the Monthly Compliance Report.

No.	Employee Name	Title/Company	Signature
1.	Joseph M. Hunt	OC South West	Joseph M. Hunt
2.	Carol Watson	Energy Comm.	Carol Watson
3.	MORGAN G. BOHN	Construction AECOM	Morgan G. Bohn
4.	FRANK ROMERO	DRAB AECOM	Frank Romero
5.	MARY DUAS	Energy Commission	Mary Duas
6.	Jay Nishida	Energy Comm.	Jay Nishida
7.	AMANDEEP SINGH	SOLAR MELLENIU	Amandeep Singh
8.	Ed Gregory	Kiewit	Ed Gregory
9.	Drew Cowler	Kiewit	Drew Cowler
10.	Rocky Brown	AECOM-Biologist	Rocky Brown
11.	Shelly Dayman	AECOM-Bio	Shelly Dayman
12.	Shelley Brown	AECOM-SHC	Shelley Brown
13.	GREGG JASSON	WC-3 CBO	Gregg Jasson
14.	Katherine Barber	AECOM	Katherine Barber
15.	BRENT BADDLON	Kiewit	Brent Baddlon
16.	John Upton	Kiewit	John Upton
17.	Vermilad Wunderlich	AECOM	Vermilad Wunderlich
18.	Judie Roy	AECOM	Judie Roy
19.	Gary King	SWCA	Gary King
20.	Stacie Wilson	AECOM	Stacie Wilson
21.	MARIE ECHAVARRIA-DELANO	AECOM	Marie Echavarría
22.	NARA COO	AECOM	Nara Co
23.	MARC HINTZMAN	AECOM	Marc Hintzman
24.	Katie Martin	SWCA	Katie Martin
25.	John Couper	SWCA	John Couper
26.	Charles Cisneros	SWCA	Charles Cisneros
27.	Brendan Fitzgibbon	AECOM	Brendan Fitzgibbon
28.	LINDA KAY	AECOM	Linda Kay
29.	Clara Backer	SWCA	Clara Backer
30.	Stephanie Jew	AECOM	Stephanie Jew

Cultural Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date:   1   /   1  

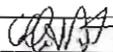
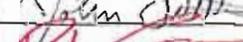
Paleo Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date:   1   /   1  

Biological Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date:   1   /   1  

Administered TRAINING. *Morgan Bohn* 11/8/10

## Certification of Completion Worker Environmental Awareness Program Blythe Solar Power Project (09-AFC-6)

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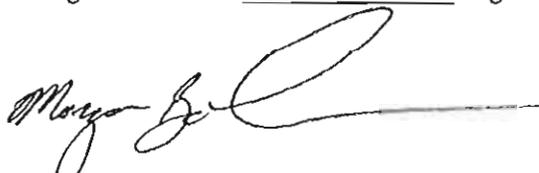
No.	Employee Name	Title/Company	Signature
1.	Collin Tuttle	Archaeologist/AECOM	
2.	Matt Tennyson	PPA/AECOM	
3.	Maria Morales	Tribal Manager	
4.	John Dietler	ACRS/SWCA	
5.	Rob Conchan	Biologist/AECOM	
6.			
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Cultural Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_

Paleo Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_

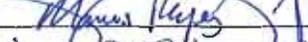
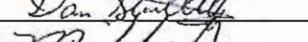
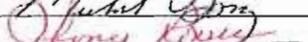
Biological Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_

Admin  
BY:



## Certification of Completion Worker Environmental Awareness Program Blythe Solar Power Project (09-AFC-6)

This is to acknowledge these individuals have completed a mandatory California Energy Commission-approved Worker Environmental Awareness Program (WEAP). The WEAP includes pertinent information on cultural, paleontological, and biological resources for all personnel (that is, construction supervisors, crews, and plant operators) working on site or at related facilities. By signing below, the participant indicates that he/she understands and shall abide by the guidelines set forth in the program materials. Include this completed form in the Monthly Compliance Report.

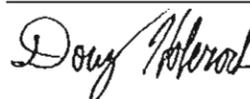
No.	Employee Name	Title/Company	Signature
1.	Erick Espinosa	PE / KPC	
2.	STEVEN D. LAUTERMAN	Supervisors / Kiewit	
3.	MARCOS REYES	ENGINEER / KPC	
4.	Dave Duffie	Supt	
5.	Randy Lorenz	Supt / TIC	
6.	Jessica Runyan	Design ENG.	
7.	Pamela Matsuoka	Well Engineer	
8.	Shane Davis	Engineer / Kiewit Inf.	
9.	John Upton	Superintendent / Kiewit	
10.	BRENT DELILLON	Supt. / KIEWIT	
11.	Miguel Olvera	Engineer / KPC	
12.	Dan Stukenholtz	Engineer / KPC	
13.	Michael Gomez	PM / Kiewit	
14.	Johnny Rowell	Supt. / Kiewit	
15.	BOB FRANCIS	Business manager	
16.	JARED SHLEY	KIEWIT	
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Cultural Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_

Paleo Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_

Biological Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_

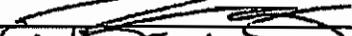
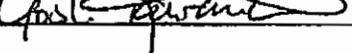
Administrator Doug Hoberock



11/10/2010

**Certification of Completion  
Worker Environmental Awareness Program  
Blythe Solar Power Project (09-AFC-6)**

This is to acknowledge these individuals have completed a mandatory California Energy Commission-approved Worker Environmental Awareness Program (WEAP). The WEAP includes pertinent information on cultural, paleontological, and biological resources for all personnel (that is, construction supervisors, crews, and plant operators) working on site or at related facilities. By signing below, the participant indicates that he/she understands and shall abide by the guidelines set forth in the program materials. Include this completed form in the Monthly Compliance Report.

No.	Employee Name	Title/Company	Signature
1.	JARED SHUEY	KIEWIT	
2.	YOSHI KAWANAKI	KIEWIT	Asst. 
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Cultural Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_

Paleo Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_

Biological Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_

Administrator: Erick Espinosa  11/19/10

## Certification of Completion Worker Environmental Awareness Program Blythe Solar Power Project (09-AFC-6)

This is to acknowledge these individuals have completed a mandatory California Energy Commission-approved Worker Environmental Awareness Program (WEAP). The WEAP includes pertinent information on cultural, paleontological, and biological resources for all personnel (that is, construction supervisors, crews, and plant operators) working on site or at related facilities. By signing below, the participant indicates that he/she understands and shall abide by the guidelines set forth in the program materials. Include this completed form in the Monthly Compliance Report.

No.	Employee Name	Title/Company	Signature
1.	Thomas Rosenthal	Hidden Valley Pump Systems	<i>[Signature]</i>
2.	Stephen Jay	Hidden Valley Pump Sys.	<i>[Signature]</i>
3.	Craig Robinson	Hidden Valley Pump?	<i>[Signature]</i>
4.	MICHAEL BURKEY	SULLY ENGINEER HVPS	<i>[Signature]</i>
5.	Michael Mowbray	Teamster / Kiewit	<i>[Signature]</i>
6.	MARTIN AGUILAR	LEBOR	MARTIN AGUILAR
7.	Frank Haro	opk / Kiewit	<i>[Signature]</i>
8.	Jerry Ontiveros	Kiewit / Laborer	<i>[Signature]</i>
9.	ROLAN DUNLAP	KEWIT POWER	<i>[Signature]</i>
10.	Ronny Alexander	IEU	<i>[Signature]</i>
11.	DWANE E. FRIEL	IOUE Local 12	<i>[Signature]</i>
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Cultural Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_

Paleo Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_

Biological Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_

Administrator Erick Espinosa *[Signature]* 11/29/10

## Certification of Completion Worker Environmental Awareness Program Blythe Solar Power Project (09-AFC-6)

This is to acknowledge these individuals have completed a mandatory California Energy Commission-approved Worker Environmental Awareness Program (WEAP). The WEAP includes pertinent information on cultural, paleontological, and biological resources for all personnel (that is, construction supervisors, crews, and plant operators) working on site or at related facilities. By signing below, the participant indicates that he/she understands and shall abide by the guidelines set forth in the program materials. Include this completed form in the Monthly Compliance Report.

No.	Employee Name	Title/Company	Signature
1.	Maura Felip	Apex	<i>Maura Felip</i>
2.	SONYA R. RUIZ	APEX security	<i>Sonya Ruiz</i>
3.	Joshua Moreland	APEX "	<i>Joshua Moreland</i>
4.	Alfonso Cardona	Apex "	<i>Alfonso Cardona</i>
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Cultural Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_

Paleo Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_

Biological Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_

Administrator: Erick Espinosa *Erick Espinosa* 11/30/10

Blythe Solar Power Project  
(09-AFC-6C)

Monthly Compliance Report #1

Exhibit 8  
CBO Approvals

October 12, 2010

Blythe Solar Power Project – Acceptance  
WC<sup>3</sup> Permit No.: BSPP-GEN-04-001\_FA

**Craig Hoffman**  
Project Manager  
California Energy Commission  
Siting, Transmission and Environmental Protection Division  
1516 Ninth Street, MS 15  
Sacramento, CA 95814-5512  
916-654-4781  
CHoffman@energy.state.ca.us

**Re: Plan Review: Blythe Solar Power Project – GEN-4, Resident Engineer Assigned to the Project**

Dear Mr. Hoffman:

On behalf of the California Energy Commission, West Coast Code Consultants, Inc. (WC<sup>3</sup>) has reviewed Mr. Cliff Heck's resume for the position of Resident Engineer assigned to the Blythe Solar Power Project.

- Resident Engineer – Mr. Cliff Heck, P.E., of Kiewit Pacific Co.

His license has been verified and qualifications appear appropriate for the position of Resident Engineer. The Condition GEN-4, established by California Energy Commission (CEC) Commission Decision (09-AFC-6), dated September 2010, appears to be satisfied.

At this time the Resident Engineer has not informed the CBO of any delegate engineers assigned to the project.

Sincerely,

**West Coast Code Consultants, Inc. (WC<sup>3</sup>)**



Givm Senaratne, S.E.  
Structural Engineer  
ICBO/ICC/IRC Plans Examiner

CC: Steve Lorenz, P.E., Project Manager, Kiewit Power Engineers Co. (steve.lorenz@kiewit.com)  
Connie Millard, Project Controls, Kiewit Power Engineers Co. (connie.millard@kiewit.com)  
Maggie Wilkerson, Solar Millennium LLC (Wilkerson@solarmillennium.com)  
Naim Triki, Solar Millennium LLC (Triki@solarmillennium.com)  
Subhendu Banerjee, Solar Millennium LLC (Banerjee@solarmillennium.com)



**WEST COAST CODE CONSULTANTS, INC.**

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San Ramon, CA 94583

Phone - (925) 275-1700 Fax - (925) 275-0600  
e-Mail - [info@wc-3.com](mailto:info@wc-3.com) Web - [www.wc-3.com](http://www.wc-3.com)

October 12, 2010

Blythe Solar Power Project – Acceptance  
WC<sup>3</sup> Permit No.: BSPP-GEN-05-001\_FA

**Craig Hoffman**  
Project Manager  
California Energy Commission  
Siting, Transmission and Environmental Protection Division  
1516 Ninth Street, MS 15  
Sacramento, CA 95814-5512  
916-654-4781  
CHoffman@energy.state.ca.us

**Re: Plan Review: Blythe Solar Power Project – GEN-5, California Registered Engineers Assigned to the Project (Partial Acceptance – Geologist Is Pending)**

Dear Mr. Hoffman:

West Coast Code Consultants, Inc. (WC<sup>3</sup>) has reviewed the resumes listed below on behalf of the California Energy Commission.

- Electrical – Stephen J. Lorenz, P.E.
- Mechanical – Linus Drouhard, P.E.
- Structural – F. Gene Amrhein, P.E.
- Civil – Omar Olivares, P.E.
- Geotechnical – Omar Olivares, P.E.
- Engineering Geologist – (Not assigned at this time. Still Pending)

Licenses have been verified and qualifications appear appropriate for task outlined under Condition Gen-5. The Condition GEN-5, established by California Energy Commission (CEC) Commission Decision (09-AFC-6), dated September 2010, appears to be satisfied.

Sincerely,

**West Coast Code Consultants, Inc. (WC<sup>3</sup>)**



Gyan Senarathne, S.E.  
Structural Engineer  
ICBC/ICC/IRC Plans Examiner

CC: Steve Lorenz, P.E., Project Manager, Kiewit Power Engineers Co. (steve.lorenz@kiewit.com)  
Connie Millard, Project Controls, Kiewit Power Engineers Co. (connie.millard@kiewit.com)  
Maggie Wilkerson, Solar Millennium LLC (Wilkerson@solarmillennium.com)  
Naim Triki, Solar Millennium LLC (Triki@solarmillennium.com)  
Subhendu Banerjee, Solar Millennium LLC (Banerjee@solarmillennium.com)

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e-Mail - [info@wc-3.com](mailto:info@wc-3.com) Web - [www.wc-3.com](http://www.wc-3.com)

October 13, 2010

## DeBolt Civil Engineering



811 San Ramon Valley Boulevard  
Danville, California 94526  
Tel: 925/837-3780  
Fax: 925/837-4378

Mr. Giyan Senaratne  
WEST COAST CODE CONSULTANTS  
2400 Camino Ramon Suite #240  
San Ramon, CA 94583

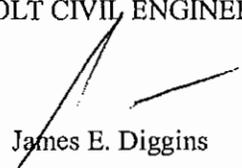
Re: **BLYTHE SOLAR PROJECT**  
BSPP-Civil-01-008  
DESCP  
*DeBolt Job No. 10135*

Dear Giyan:

We have reviewed the resubmitted Drainage, Erosion, and Sediment Control Plan, and have found that our comments have been addressed. We have no objection to the approval as we discussed, with the stipulation that the document will be updated prior to construction.

Should you have any questions or need additional information, please give me a call.

DE BOLT CIVIL ENGINEERING



James E. Diggins

VIA EMAIL [giyan@wc-3.com](mailto:giyan@wc-3.com), [frank@wc-3.com](mailto:frank@wc-3.com), [miker@wc-3.com](mailto:miker@wc-3.com)  
[ruth@wc-3.com](mailto:ruth@wc-3.com), [lawana@wc-3.com](mailto:lawana@wc-3.com), [chrisc@wc-3.com](mailto:chrisc@wc-3.com)

JED:amf

October 13, 2010

Blythe Solar Power Project – Acceptance  
WC<sup>3</sup> Permit No.: BSPP-CIVIL-01-008\_FA

Mary Dyas  
Compliance Project Manager  
California Energy Commission  
1516 Ninth Street, MS 2000  
Sacramento, CA 95814-5512  
916-651-8891  
mdyas@energy.state.ca.us

**Re: Plan Review: Blythe Solar Power Project – BSPP-CIVIL-01-008 DESC**  
Drainage Structures, Grading Plans, Erosion Control Plan, Sedimentation Control Plan,  
Calculations and Related Specifications and Geotechnical Investigation Report ~ All related to  
on site Grading.

Blythe Solar Power Project, Riverside County

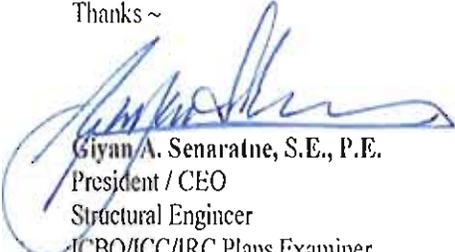
Dear Mary ~

As required by SOIL & WATER-1, WC<sup>3</sup> has completed the review of the items related to the DESC.  
We find the DESC consistent with the grading and drainage plan as required by Condition of  
Certification CIVIL-1. We have no further comments on the DESC as it relates to SOIL & WATER-1.  
Please see attached pdf's.

It should also be noted that the DESC submitted for review at this time will be updated for the relevant  
scope of work for Phase 1A prior to start of construction which is anticipated to be sometime in early  
November 2010.

Should you have any questions or need additional information, please give me a call.

Thanks ~



Gyan A. Senaratne, S.E., P.E.  
President / CEO  
Structural Engineer  
ICBO/ICC/IRC Plans Examiner

CC: Steve Lorenz, P.E., Project Manager, Kiewit Power Engineers Co. (steve.lorenz@kiewit.com)  
Connie Millard, Project Controls, Kiewit Power Engineers Co. (connie.millard@kiewit.com)  
Maggie Wilkerson, Solar Millennium LLC (Wilkerson@solarmillennium.com)  
Naim Triki, Solar Millennium LLC (Triki@solarmillennium.com)  
Subhendu Banerjee, Solar Millennium LLC (Banerjee@solarmillennium.com)



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e-Mail - [info@wc-3.com](mailto:info@wc-3.com) Web - [www.wc-3.com](http://www.wc-3.com)

October 26, 2010

Blythe Solar Power Project – Acceptance  
WC<sup>3</sup> Permit No.: BSPP-STRUC-01-002\_FA

Mary Dyas  
Project Manager  
California Energy Commission  
Energy Facilities Siting Division  
1516 Ninth Street, MS 2000  
Sacramento, CA 95814-5512  
916-654-4781  
Mdyas@energy.state.ca.us

Re: Plan Review: Blythe Solar Power Project  
STRUC-01-002, Specification for Cast in Place Concrete Only

Dear Ms Dyas:

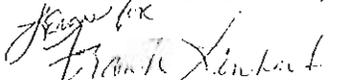
On behalf of the California Energy Commission, West Coast Code Consultants, Inc. (WC<sup>3</sup>) has completed the review of the documents listed on the attached sheet, as they relate to the stated subject above.

Documents appear to be in compliance with a portion of the Condition Struc-1, established by the California Energy Commission (CEC) Commission Decision for the Blythe Solar Power Project, Application for Certification (09-APC-6), dated September 2010, and have been accepted as part of the construction documents.

Should you have any questions please feel free to contact us.

Sincerely,

West Coast Code Consultants, Inc. (WC<sup>3</sup>)

  
Frank J. Linhart, S.E.  
Deputy Chief Building Official

CC: Steve Lorenz, Project Manager, Kiewit Power Engineers Co. (steve.lorenz@kiewit.com)  
Connie Millard, Project Controls, Kiewit Power Engineers Co. (connie.millard@kiewit.com)  
Maggie Wilkerson, Solar Millennium LLC (Wilkerson@solar-millennium.com)  
Naim Triki, Solar Millennium LLC (Triki@solar-millennium.com)  
Subhendu Banerjee, Solar Millennium LLC (Banerjee@solar-millennium.com)



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### **LIST OF DOCUMENTS REVIEWED**

Specification:

- Specifications for Cast in Place Concrete – KPE Specification 930, Dated October 22, 2010

October 26, 2010

Blythe Solar Power Project – Acceptance  
WC<sup>3</sup> Permit No.: BSPP-STRUC-01-005\_FA

Mary Dyas  
Project Manager  
California Energy Commission  
Energy Facilities Siting Division  
1516 Ninth Street, MS 2000  
Sacramento, CA 95814-5512  
916-654-4781  
Mdyas@energy.state.ca.us

Re: Plan Review: Blythe Solar Power Project  
STRUC-01-005, Specification for Pre-Cast Concrete Only

Dear Ms Dyas:

On behalf of the California Energy Commission, West Coast Code Consultants, Inc. (WC<sup>3</sup>) has completed the review of the documents listed on the attached sheet, as they relate to the stated subject above.

Documents appear to be in compliance with a portion of the Condition Struc-1, established by the California Energy Commission (CEC) Commission Decision for the Blythe Solar Power Project, Application for Certification (09-AFC-6), dated September 2010, and have been accepted as part of the construction documents.

Should you have any questions please feel free to contact us.

Sincerely,

West Coast Code Consultants, Inc. (WC<sup>3</sup>)

*Handwritten signature of Frank J. Linhart*

Frank J. Linhart, S.E.  
Deputy Chief Building Official

CC: Steve Lorenz, Project Manager, Kiewit Power Engineers Co. (steve.lorenz@kiewit.com)  
Connie Millard, Project Controls, Kiewit Power Engineers Co. (connie.millard@kiewit.com)  
Maggie Wilkerson, Solar Millennium LLC (Wilkerson@solar-millennium.com)  
Naim Triki, Solar Millennium LLC (Triki@solar-millennium.com)  
Subhendu Banerjee, Solar Millennium LLC (Banerjee@solar-millennium.com)



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Fax - (925) 275-0600  
Web - [www.wc-3.com](http://www.wc-3.com)

## **LIST OF DOCUMENTS REVIEWED**

**Specification:**

- Specifications for Pre-Cast Concrete - KPE Specification 933, Dated October 22, 2010

November 9, 2010

Blythe Solar Power Project – Acceptance  
WC<sup>3</sup> Permit No.: BSPP-GEN-05-002\_FA

**Mary Dyas**  
Project Manager  
California Energy Commission  
Siting, Transmission and Environmental Protection Division  
1516 Ninth Street, MS 2000  
Sacramento, CA 95814-5512  
916-651-8891  
mdyas@energy.state.ca.us

**Re: Plan Review: Blythe Solar Power Project – GEN-5, California Registered Engineers Assigned to the Project**

Dear Ms. Dyas:

West Coast Code Consultants, Inc. (WC<sup>3</sup>) has reviewed the resumes listed below on behalf of the California Energy Commission.

- Electrical – Stephen J. Lorenz, P.E.
- Mechanical – Linus Drouhard, P.E.
- Structural – F. Gene Amrhein, P.E.
- Civil – Omar Olivares, P.E.
- Geotechnical – Omar Olivares, P.E.
- Engineering Geologist – Scott D. Neely, P.E.

Licenses have been verified and qualifications appear appropriate for task outlined under Condition Gen-5. The Condition GEN-5, established by California Energy Commission (CEC) Commission Decision (09-AFC-6), dated September 2010, appears to be satisfied.

Sincerely,

**West Coast Code Consultants, Inc. (WC<sup>3</sup>)**



Gyan Senaratne, S.E.  
Structural Engineer  
ICBO/ICC/IRC Plans Examiner

CC: Steve Lorenz, P.E., Project Manager, Kiewit Power Engineers Co. (steve.lorenz@kiewit.com)  
Connie Millard, Project Controls, Kiewit Power Engineers Co. (connie.millard@kiewit.com)  
Maggie Wilkerson, Solar Millennium LLC (Wilkerson@solarmillennium.com)  
Naim Triki, Solar Millennium LLC (Triki@solarmillennium.com)  
Subhendu Banerjee, Solar Millennium LLC (Banerjee@solarmillennium.com)



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Fax - (925) 275-0600  
Web - [www.wc-3.com](http://www.wc-3.com)

November 15, 2010

Blythe Solar Power Project – Final Review  
WC<sup>3</sup> Permit No.: BSPP-STRUC-1-009\_PCF

Mr. Steve Lorenz, P.E.  
Project Manager  
Kiewit Power Engineers Co.  
9401 Renner Boulevard  
Lenexa, KS 66219  
Sent via email: [steve.lorenz@kiewit.com](mailto:steve.lorenz@kiewit.com)

Mr. Yoo Jin Kim, P.E.  
Flagsol, LLC  
111 Broadway, 5<sup>th</sup> Floor  
Oakland, CA 94607  
Sent via email: [yoojin.kim@flagsol.com](mailto:yoojin.kim@flagsol.com)

**Re: Plan Review: STRUC-01 “Collector Structure Design Permit Packages”.**  
Location: Blythe Solar Power Project, Riverside County, CA

Dear Mr.Lorenz/Mr. Kim:

On behalf of the California Energy Commission, West Coast Code Consultants, Inc. (WC<sup>3</sup>) has completed the **final** review of the documents listed on the attached sheet, as they relate to the stated subject above. **Please note that we take no exception to the submitted document.**

The California Energy Commission (CEC) Commission Decision for the Blythe Solar Power Project Application for Certification (09-AFC-6) dated September, 2010, was used as the basis of our review and compliance.

Should you have any questions please feel free to contact us.

Sincerely,

**West Coast Code Consultants, Inc. (WC<sup>3</sup>)**

Frank J. Linhart, S.E.  
Deputy Chief Building Official

CC: Mary Dyas, California Energy Commission ([mdyas@energy.state.ca.us](mailto:mdyas@energy.state.ca.us))  
Connie Millard, Project Controls, Kiewit Power Engineers Co. ([connie.millard@kiewit.com](mailto:connie.millard@kiewit.com))  
Maggie Wilkerson, Solar Millennium LLC ([Wilkerson@solarmillennium.com](mailto:Wilkerson@solarmillennium.com))  
Naim Triki, Solar Millennium LLC ([Triki@solarmillennium.com](mailto:Triki@solarmillennium.com))  
Subhendu Banerjee, Solar Millennium LLC ([Banerjee@solarmillennium.com](mailto:Banerjee@solarmillennium.com))



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**LIST OF DOCUMENTS REVIEWED**

Letter:

- Letter regarding “Collector Structure Design Permit Packages” issued by Flagsol dated November 4, 2010.

Blythe Solar Power Project  
(09-AFC-6C)

Monthly Compliance Report #1

Exhibit 9

Site Construction Safety Supervisor's Safety Report

## Monthly Safety Inspection Report for November 2010

### Blythe Solar Power Project

#### Safety Training

See the attached safety attendance sheets.

#### Safety Inspections

See the attached safety Tour Reports.

#### Safety Incidents and Corrective Actions

None

#### Unresolved Safety Problems

None

#### First Aid, Reportable, & Recordable Injuries

There has been no first aid, reportable or recordable for the nine days that Kiewit has been on the project for the month of November.









## SECTION 2.5 SAFETY MEETINGS ATTACHEMENT

### APPENDIX B: SIGN IN FORM

#### SAFETY MEETING REPORT

Project: Blythe Solar Date: 11/22/10 Start Time: 8:00AM End Time: \_\_\_\_\_ Total Length: \_\_\_\_\_  
 Topic: SAFETY INDUSTRINATION Type (staff, foreman, mass, crew, etc.) \_\_\_\_\_  
 \_\_\_\_\_ OWNER REP. STAFF

Detailed Description of Training / Meeting Materials  
& Subjects Covered (or attach agenda)

Instructors / Trainers / Conductors

SUBCONTRACTOR SAFETY ORIENTATION \_\_\_\_\_ BRENT BEDILLON  
 \_\_\_\_\_ JOHN UPTON

ATTENDEES		
Name (printed)	Signature	Title / ORG
1. <u>GREG GIBSON</u>	<u>[Signature]</u>	<u>SUPERVISING BUILDING Insp.</u>
2. <u>Katherine Barber</u>	<u>[Signature]</u>	<u>AECOM</u>
3. <u>Shelly Dayman</u>	<u>[Signature]</u>	<u>AECOM / wildlife biologist</u>
4. <u>Rocky Brown</u>	<u>[Signature]</u>	<u>AECOM - BIOLOGIST</u>
5. <u>Veronica Wunderlich</u>	<u>[Signature]</u>	<u>AECOM - BIOLOGIST</u>
6. <u>Shelley Brown</u>	<u>[Signature]</u>	<u>AECOM - District Site Manager</u>
7. <u>Michael Gomez</u>	<u>[Signature]</u>	<u>KIEWIT</u>
8. <u>AMANDEEP SINGH</u>	<u>[Signature]</u>	<u>SOLAR M</u>
9. <u>[Signature]</u>	<u>[Signature]</u>	<u>AECOM - Lead Biologist</u>
10. <u>DAN MCKINNON</u>	<u>[Signature]</u>	<u>UXO AECOM</u>
11. <u>John Upton</u>	<u>[Signature]</u>	<u>Supt. Kiewit</u>
12. <u>MORGAN BOHN</u>	<u>[Signature]</u>	<u>AECOM CONST. MGR</u>
13.		
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## SECTION 2.5 SAFETY MEETINGS ATTACHEMENT

### APPENDIX B: SIGN IN FORM

### SAFETY MEETING REPORT

Project: BLYTHE SOLAR Date: 12/02/10 Start Time: 4:00p End Time: \_\_\_\_\_ Total Length: \_\_\_\_\_  
Topic: WEEKLY SAFETY Type (staff, foreman, mass, crew, etc.)  
STAFF

Detailed Description of Training / Meeting Materials  
& Subjects Covered (or attach agenda)

Instructors / Trainers / Conductors

John Upton

ATTENDEES		
Name (printed)	Signature	Title
1. <u>BRENT BELLON</u>	<u>Bt Bell</u>	<u>PROJECT MGR</u>
2. <u>JARED SHUEY</u>	<u>[Signature]</u>	<u>FOREMAN</u>
3. <u>Erick Espinosa</u>	<u>[Signature]</u>	<u>P.E.</u>
4. <u>John Upton</u>	<u>[Signature]</u>	<u>Supt.</u>
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# SECTION 2.5 SAFETY MEETINGS ATTACHEMENT

## APPENDIX B: SIGN IN FORM

### SAFETY MEETING REPORT

Project: Blythe Date: 12/6 Start Time: 9 End Time: 10 Total Length: 1 hr  
 Topic: Safety Orientation Type (staff, foreman, mass, crew, etc.)

Detailed Description of Training / Meeting Materials  
& Subjects Covered (or attach agenda)

Instructors / Trainers / Conductors

ATTENDEES		
Name (printed)	Signature	Title
1. <u>BROSIAMIN JARGAS</u>	<u>[Signature]</u>	<u>Senior Archaeologist - AECOM</u>
2.		
3.		
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# KIEWIT POWER TRAINING SIGN-IN SHEET

Topic: Safety Training

Description: Hand Saw

Date: 11/9/10 Start Time: 2:00 End Time: 2:30

Location: KPC Office 4102

Presenter(s): So. Cal District

## ATTENDEES

<u>Name (printed)</u>	<u>Signature</u>
Uriel Alva	Uriel Alva
Pamela Matsuoka	Pamela
Bob Franck	Bob Franck
Randy Koccali	Randy Koccali
Dave Duffie	Dave Duffie
STEVEN LANTERMAN	Steven Lanterman
DAN STUXENHOLTZ	Dan Stuxenholtz
Shane Davis	Shane Davis
Jessica Romyan	Jessica Romyan
Doug Hoberock	Doug Hoberock
John Upton	John Upton
Erick Espinosa	Erick Espinosa
MARCO REYES	Marco Reyes
Johnny Rowell	Johnny Rowell
LAURA DELADA	Laura Delada



# KIEWIT POWER TRAINING SIGN-IN SHEET

Topic: Blythe Safety Web-Ex

Description: Weekly Safety Meeting

Date: 11/2/10 Start Time: 2pm End Time: 2:30pm

Location: Room 3102

Presenter(s): So. Cal District

## ATTENDEES

Name (printed)

Signature

Misel Alva

Misel Alva

MARCOS REYES

Marcos Reyes

Dave Duffie

Dave Duffie

JAKE GENOWA

Jake Genowa

Bill McPhail

Bill McPhail

Matthew De Lopp

Matthew De Lopp

BOB FRANCIS

Bob Francis

Michael Gomez

Michael Gomez

Jessica Runyan

Jessica Runyan

John Jaton

John Jaton

LAURA DELAPP

Laura Delapp

CHRIS LANTEANNA

Chris Lantenna

STEVEN LANTERMAN

Steven Lanterman

Shane Davis

Shane Davis

Paula Matzuka

Paula Matzuka

ANDY KORNITZ

Andy Kornitz

BRENT BELLILLON

Brent Bellillon

Erick Espinosa

Erick Espinosa



# KIEWIT POWER TRAINING SIGN-IN SHEET

Topic: Blythe Safety Web-Ex

Description: Weekly Safety Meeting

Date: 10/19/10 Start Time: 2pm End Time: 2:30pm

Location: Conference Room 3104

Presenter(s): So. Cal. District

## ATTENDEES

<u>Name (printed)</u>	<u>Signature</u>
Erick Espinosa	
Misael Deluca	
Dave Duffe	
Bob Franze	
RANDY KORENIE	
LAURA DE LAPA	
JAKE GENOUD	
CHRIS LUKATEKMANI	
Bill McPhail	
DAN STUKENHOLZ	
Johnny Rowen	
Michael Comuz	
John Upton	
Jessica Bengtson	
Matthew De Lapp	
Shane Davis	
TOM HARRIS	
Pamela Katsuoka	



# KIEWIT POWER TRAINING SIGN-IN SHEET

Topic: Blythe Safety Web-Ex

Description: Weekly Safety Meeting

Pg. 1 of 2

Date: 10/11/10 Start Time: 1pm End Time: 2pm

Location: Conference Room 4100

Presenter(s): Western District

## ATTENDEES

Name (printed)

Signature

CHRIS LANITERMAN

*Chris Lanterman*

BOB BELLON

*Bob Bellon*

John Upton

*John Upton*

Michael Gomez

*Michael Gomez*

Dave Duffie

*Dave Duffie*

RANDY KORNITZ

*Randy Kornitz*

STEVEN LANIERMAN

*Steven Lanierman*

Erick Espinosa

*Erick Espinosa*

Doug Hoberock

*Doug Hoberock*

Jessie Penzo

*Jessie Penzo*

William McPhail

*William McPhail*

## KIEWIT POWER TRAINING SIGN-IN SHEET

Topic: Blythe Safety Web-Ex

Description: Weekly Safety Meeting

Pg. 2 of 2

Date: 10/11/10 Start Time: 1pm End Time: 2pm

Location: Conference Room 4100

Presenter(s): Western District

### ATTENDEES

Name (printed)

Signature

DAN STUKENHOLTZ

Dan Stukenholtz

Laura DeLapp

Laura DeLapp

MARCUS ROYES

Marcus Royes

Michael Durbin

Michael Durbin

Shane Davis

Shane Davis

Pamela Matsuoka

Pamela Matsuoka

Michael Johnson

Michael Johnson



Blythe Solar Power Plant

Date: 11/29/10

By: Erick Espinosa

# Safety/Quality Tour Notes

## SAFETY

OPERATION	OBSERVATION	CORRECTIVE ACTION
Survey	2 Tarantulas observed. Included in JHA	Look @ your footing.
Trucker	Came out of vehicle w/o PPE.	Made in go back in the truck & wear PPE.
Orientation	WEAP & Safety presentation identified all Hazards on project.	Good.

## QUALITY

OPERATION	OBSERVATION	SUPT/FOREMAN	CORRECTED?
Pump Install	Sub's using Tortoise magnet.	John Upton	Subs bought in our program
JHA'S REVIEWED			



Blythe Solar Power Plant

Date: 11/30/10

By: Erick Espinosa

# Safety/Quality Tour Notes

## SAFETY

OPERATION	OBSERVATION	CORRECTIVE ACTION
<p>Ⓟ Pump Install</p>	<p>Blue Rooms near sub's operation. Too close to work.</p>	<p>Re-organized Blue-Rooms.</p>

## QUALITY

OPERATION	OBSERVATION	SUPT/FOREMAN	CORRECTED?
<p>Drilling. Pump install</p>	<p>Visqueen under sub equipment</p>	<p>John Upton</p>	<p>Good Job.</p>
JHA'S REVIEWED			



Blythe Solar Power Plant

Date: 12/1/10

By: Erick Espinosa

# Safety/Quality Tour Notes

## SAFETY

OPERATION	OBSERVATION	CORRECTIVE ACTION
Well Pump Install	Subs left conduit, pipe, tools on floor.	organized all tools & material off the ground
staging material	All material (T-posts & sandbags) off the floor.	All on pallets or dunnage. Good!

## QUALITY

OPERATION	OBSERVATION	SUPT/FOREMAN	CORRECTED?
JHA'S REVIEWED	off loading c-van's. Good	JHA	



Blythe Solar Power Plant

Date: 12/2/10

By: Erick Espinosa

# Safety/Quality Tour Notes

## SAFETY

OPERATION	OBSERVATION	CORRECTIVE ACTION
Kiewit sign on bldg.	Overhead work in Door Access.	Spotter advise people not to walk under.

## QUALITY

OPERATION	OBSERVATION	SUPT/FOREMAN	CORRECTED?
Survey	Calibration on equipment (survey) to get accurate readings	Jared shuey	Good.
JHA'S REVIEWED			



Blythe Solar Power Plant

Date: 12/3/10

By: Erick Espinosa

# Safety/Quality Tour Notes

## SAFETY

OPERATION	OBSERVATION	CORRECTIVE ACTION
Tool Training	Training on pneumatic T-post driver	None.

## QUALITY

OPERATION	OBSERVATION	SUPT/FOREMAN	CORRECTED?
JHA'S REVIEWED			



Blythe Solar Power Plant

Date: 12/6/10

By: Erick Espinosa

# Safety/Quality Tour Notes

## SAFETY

OPERATION	OBSERVATION	CORRECTIVE ACTION
T-Post Driving	Whip-checks on Air-Comp. Hose on fitting.	checked on Hose instead of fitting.

## QUALITY

OPERATION	OBSERVATION	SUPT/FOREMAN	CORRECTED?
JHA'S REVIEWED			

Blythe Solar Power Project  
(09-AFC-6C)

Monthly Compliance Report #1

Exhibit 10  
CBO Safety Monitor's Report

December 14, 2010

Blythe Solar Power Project

Mary Dyas  
Compliance Project Manager  
California Energy Commission  
Energy Facilities Siting Division  
1516 Ninth Street, MS 2000  
Sacramento, CA 95814-5512

**RE: BSPP Monthly Safety Monitor Compliance Report for November 2010**

Dear Ms. Dyas:

For the month of November, Kiewit Power Inc. has met, or exceeded the requirements of **Workers Safety 3** in regard to the following:

- Safety Training
- Safety Inspections
- Safety Incidents and Corrective Actions
- Unresolved Safety Problems
- First Aid, Reportable and Recordable Injuries.

Eric Espinosa is acting as the Construction Safety Supervisor for this initial phase of startup construction. WEAP and Kiewit safety training is being conducted and there have been no incidents or safety problems.

Sincerely,

**Greg Gibson**  
Inspection Manager / Safety Monitor  
West Coast Code Consultants, inc.  
2400 Camino Ramon, Suite 240  
San Ramon, CA 94583

cc: Steve Lorenz, Project Manager, Kiewit Powers Engineers Co. ([steve.lorenz@kiewit.com](mailto:steve.lorenz@kiewit.com))  
Connie Millard, Project Controls, Kiewit Power Engineers Co. ([connie.millard@kiewit.com](mailto:connie.millard@kiewit.com))  
Maggie Wilkerson, Solar Millennium LLC ([Wilkerson@solarmillennium.com](mailto:Wilkerson@solarmillennium.com))  
Naim Triki, Solar Millennium LLC ([Triki@solarmillennium.com](mailto:Triki@solarmillennium.com))  
Subhendu Banerjee, Solar Millennium LLC ([Banerjee@solarmillennium.com](mailto:Banerjee@solarmillennium.com))