

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

Monthly Compliance Report #4  
February 2011 Reporting Period

March 18, 2011

Blythe Solar Power Project  
Monthly Compliance Report #4

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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
CRS	Cultural Resources Specialist
CSS	Construction Safety Supervisor's
CUL	Cultural
DB	Designated Biologist
FAA	Federal Aviation Administration
HTF	Heat Transfer Fluid
KPC	Kiewit Power Constructors

KPE	Kiewit Power Engineering
LF	Liner Foot
MECH	Mechanical
MCR	Monthly Compliance Report
PAL	Paleontological
PVSI	Palo Verde Solar I, LLC
P&IDs	Piping and Instrumentation Diagram
ROW	Right Of Way
RCFD	Riverside County Fire Department
S&W	Soil & Water
SMLLC	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 Palo Verde Solar I, LLC (PVSI) for the construction and operation of the Blythe Solar Power Project (BSPP). On December 22, 2010 the CEC Compliance Project Manager (CPM) issued a full Notice to Proceed (NTP) letter of BSPP allowing the start of all construction activities associated with Phase 1a of the site.

This document constitutes PVSI's fourth 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 February 2011.

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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 end of February 2011, the Project was > 0.1% complete. The following table presents the percent complete numbers for the engineering, procurement, and construction activities as of February 2011:

<b>Activity</b>	<b>% Complete</b>
◆ Engineering	14%
◆ Procurement	>2%
◆ Construction	>0.1%

### Engineering

During February 2011, KPE submitted Phase 1a related drawings and specifications to the Chief Building Official (CBO) for review and plan check.

### Procurement

The procurement focus for February 2011 was on various construction materials and Site safety equipment required for Phase 1a work.

## Construction

During February, KPC conducted safety training for new staff and visitors and installed Desert Tortoise Fence & Silt Fence around the well area, east-west connector, part of the main access road, and shared facilities. In addition, KPC continued compaction and scarification activities within a portion of the main access road.

Weekly coordination calls and monthly meetings were held during the reporting period between PVSI, AECOM (PVSI'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 January 2014.

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## EPC Activities Accomplished During Reporting Period

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This section of the MCR 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 February 2011:

- Black Rock Road drawings were issued for construction, but have not been sent to the county for their review.
- Cooling tower, water sample analysis panel, and the closed cooling water heat exchanger specifications was submitted to the CBO for review and approval.
- Air removal, circulating water, miscellaneous steam turbine piping, steam turbine lube oil, demineralized water, sampling, cycle chemical feed, cooling tower chemical feed, and fuel gas system P&IDs were submitted to the CBO for review and approval.

During February, 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, PVSI refers the CEC CPM directly to this website to review the updated master CBO submittal log online.

Engineering activities *planned* for March 2011 include:

- Issue the Unit 1 solar field grading drawings for review.
- Issue instrument air and chemical feed system P&IDs for review.
- Issue Storm Water Pollution Prevention Plan (SWPPP) for phase 1A solar field.

**Procurement.** KPC conducted the following procurement related activities during February 2011:

- Procured Cattle Guard for the Well Area
- Equipment Rentals: Telehandler Forklift

Procurement activities *planned* for March 2011 include:

- Continue to purchase tortoise fencing material.
- Continue to purchase sediment control BMPs (Silt Fence).

**Construction.** The following section discusses the construction activities conducted during February 2011 and those planned for March 2011. 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:

- Installed 13,610 LF of desert tortoise & 5,610 LF of silt fence
- Installed cattle guard on east side of well area
- Continued dust control activities
- Continued clear and grub activities

Construction activities *planned* for March 2011 include the following:

- Continue installation of tortoise fence & silt fence
- Continue clear and grub activities
- Continue dust control activities

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## Compliance Activities

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This section of the MCR focuses on PVSI'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
02/02/2011	CEC	BIO-09	DT Clearance Surveys for parts of PHASE 1A
02/11/2011	CEC	WS-06	Kiewit Letter and Lock Specification for Secondary Access Road
02/15/2011	CEC	BIO-03	Bio Monitor Selection and Qualifications
02/16/2011	CEC	BIO-16	DB Letter to Carol at the CEC
02/18/2011	CEC	COM-06	Monthly Compliance Report (MCR) #3

**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 (AQCOMM): As required by the Condition of Certification, the Air Quality Construction Mitigation Manager (AQCOMM) is responsible for directing and documenting compliance with the construction-related air quality Condition 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 AQCOMM is unavailable. A copy of the AQCOMM'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 AQCOMM's Monthly Report included in Exhibit 5.
- ◆ AQ-SC03 (Construction Fugitive Dust Control): During the month of December 2010 KPC completed the installation of the onsite construction well. This well is now producing water

that is being used for dust control. This allowed grading and excavation operations to commence with water truck providing dust control as frequently as needed. To mitigate dust plumes speeds are being limited for all construction vehicles.

- ◆ AQ-SC04 (Dust Plume Response Requirement): KPC is responding to all visible dust plumes by increasing the application of water where dust plumes are present. If watering does not adequately mitigate the dust plume construction activities in that area are suspended until conditions improve.
- ◆ AQ-SC05 (Diesel-Fueled Engines Control): All construction equipment on site has been inspected by the AQCMM or his delegate and meets the requirements established in the condition of certification AQ-SC5. 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 (DB) monthly report included in Exhibit 6.
- ◆ BIO-06: During February, the total number of personnel who received the Construction Worker Environmental Awareness Training was 19. The number of personnel who have received the training to date is 184. 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 DB/BM 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 DB/BM 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 DB/BM 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 DB/BM 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 DB/BM provide documentation of implementation of burrowing 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 been provided to BLM, CDFG, and USFWS.
- ◆ COM-05: A copy of the updated compliance matrix is included in Exhibit 4.
- ◆ CIVIL-01: CBO approval was received for specifications for Phase 1A Clearing/Grubbing and Tortoise Fencing for the Revised Disturbance Area and Access Road Calculations. Specifications and calculations have been submitted for review and approval by the CBO. Copies of relevant CBO approval letters for February are included in Exhibit 8.
- ◆ CUL-15: During February, the total number of personnel who received the Construction Worker Environmental Awareness Training was 19. The number of personnel who have received the training to date is 184. 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 Cultural Resources Specialist (CRS) to the CEC electronically during February. The CRS's monthly report for the reporting period is included in Exhibit 6.
- ◆ ELEC-01: CBO approval was received for specifications for Medium Voltage Variable Frequency Drives. Electrical plans, specifications and calculations are being prepared 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-03: PVSI's payments to the CBO during February were in the amount of \$56,660.99.
- ◆ GEN-06: No special inspectors were approved during the reporting period.
- ◆ GEN-07: No discrepancy in design and/or construction has been discovered in any engineering work that has undergone CBO design review and approval.
- ◆ GEN-08: To date, no work has been completed that has required CBO inspection and approval.

- ◆ MECH-01: CBO approval was received for specifications for High Pressure Large Bore Valves, Well Pumps, Steam Turbine Bypass Valves, Boiler Feed Pumps, Compressed Air System, Low Pressure Safety Valves, and P&ID's for Circulating Water. 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 February, the total number of personnel who received the Construction Worker Environmental Awareness Training was 19. The number of personnel who have received the training to date is 184. 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: During the month of February there were two days of minor precipitation. After every rain event silt fence inspection was performed (see SWPPP Inspection checklists included in Exhibit 8). The rains were slight drizzles that did not create any runoffs or affect the silt fence. The precipitation that occurred throughout the month was approximately 1.3 inch of rain. All erosion and sediment control measures will remain as planned for the foreseeable future and the effectiveness of the DESCPC will continue to be evaluated as circumstances warrant.
- ◆ STRUC-01: Structural plans, specifications and calculations are currently being prepared for review and approval by the CBO. None were submitted in February 2011.
- ◆ STRUC-03: No design changes have been filed with the CBO.
- ◆ STRUC-04: Transmittal and CBO approval letters are included in Exhibit 9.
- ◆ TRANS-03: No heavy haul permits were obtained from Caltrans or Riverside County during February.
- ◆ TRANS-04: No encroachment permits were received from Caltrans or Riverside County during February. Kiewit is currently preparing submittal for the encroachment permit for Black Rock Road.
- ◆ TRANS-06: No hazardous materials transportation permits were received from Caltrans during February.

- ◆ TSE-01: In accordance with this condition, an updated master submittal log is available online via the CBO's website for the BSPP.
- ◆ TSE-04: No applicable to this reporting period.
- ◆ VIS-01: Based on field visit to the BSPP, the team of BLM, CEC, and Solar Millennium staff picked Shadow Gray in compliance with VIS-01. Shadow Gray was determined to be the best choice from the BLM Standard Environmental Color Chart to minimize contrast between the main facility buildings and the characteristic landscape. BLM-CEC concurrence letter is included in Exhibit 10.
- ◆ Worker Safety-03: A copy of site construction safety supervisor's (CSS) safety report for February is included in Exhibit 11.
- ◆ Worker Safety-04b: A copy of the CBO safety monitor's report for February is included in Exhibit 12.

**Submittal Deadlines Not Met.** None.

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

**Filings or Permits Issued by Other Governmental Agencies.** None.

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

- BIO-24a: Golden Eagle Annual Survey 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.

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Exhibit 1  
Project Summary Schedule



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

Monthly Compliance Report #4

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	9/15/10
Obtain Site Control	11/04/10
Online Date	TBD
<b>POWER PLANT SITE ACTIVITIES</b>	
Start Site Pre-Mobilization	11/22/10
Start Ground Disturbance	11/29/10
Start Grading	12/15/10
Start Construction	12/15/10
Begin Pouring Major Foundation Concrete	TBD
Begin Installation of Major Equipment (begin erection of ACC)	TBD
Completion of Installation of Major Equipment	TBD
First Combustion of Gas Turbine	TBD
Obtain Building Occupation Permit	TBD
Start Commercial Operation – UNIT 1	TBD
Start Commercial Operation – UNIT 2	TBD
Complete All Construction	TBD
<b>TRANSMISSION LINE ACTIVITIES</b>	
Start T/L Construction	TBD
Synchronization with Grid and Interconnection	TBD
Complete T/L Construction	TBD
<b>HEAT TRANSFER FLUID (HTF) ACTIVITIES</b>	
HTF Delivery	TBD
<b>WATER TREATMENT FACILITY ACTIVITIES</b>	
Turn Over in Commissioning Water Treatment	TBD
Complete Turnover in Commissioning Water Treatment	TBD

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Exhibit 3  
Construction Photographs



String line quality check in Shared Services Area



Designated parking away from work area in order to reduce congestion.



Post driving on East side of Main Plant Road



Wood chipping in Well Area



Installation of cattle guard on East side of the Well Area.



Post tensioning activities on North side of Shared Services Area

Blythe Solar Power Project  
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Exhibit 4  
Compliance Matrix

Blythe Solar Power Project  
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Monthly Compliance Report #4

Exhibit 5  
Air Quality Construction Mitigation Documentation

# AQCMM Monthly Summary for February 2011

## Blythe Solar Power Project

### Weather

Temperatures ranged from the high 20's to mid 70's (degrees F) with partially cloudy skies. Two rain events occurred during the current month totaling 1.3 in of rainfall. Wind velocity ranged from 5 to 11 mph.

### Air Quality

Site work activities this month that have the potential to produce fugitive dust emissions included clearing and grubbing operations on the main plant road and shared facilities area. To mitigate fugitive dust emissions, a water truck is being utilized as frequently as needed. If the use of water cannot suppress dust emissions Kiewit will completely shut down the construction operation, no such instances occurred during the month of February.

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). 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 and tortoise fence continued during the month of February. The completed portion of the fence is being monitored on a weekly basis with the use of a tortoise fence and sediment control inspection checklist. All deficiencies found have been corrected, and the completed reports are attached.

**Blythe Solar Power Project - Construction Equipment List**

<b>EIN #</b>	<b>Teir #</b>	<b>Vehicle Description</b>	<b>Vehicle Make/Model</b>	<b>Vehicle Serial #</b>	<b>Enginer Model</b>	<b>Enginer Family</b>	<b>Engine Serial #</b>
SB7F36	Teir 3	Scraper	CAT 623G	DBC00413	C15	7CPXL15.ZESK	LHX12174
VG6V57	Teir 3	Blade	John Deere 772GP	DW772GP625550	6090HDW01AB	9JDXL09.0102	RG6090L061725
XN5U75	Teir 3	Backhoe	CAT 450E	EBL00357	C4.4 ACERT	8PKXL04.4NUI	C4E06384
PA4A59	Teir 3	6M Water Truck	Terex TA27 K600 Water Truck	A8891100	Cummins QSM11	7CEXL0661AAF	35185442
TR4G59	Teir 3	Telehandler Forklift	GEHL D-1155	DL11255 LJ20745525	6068H	8JDXL06.8105	6068HL281



# 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 BELLON

Equipment Description: FORKLIFT

Equipment Make / Model: GEHL D-1155 TELEHANDLER

Equipment Serial Number: DL11255 L320746525

Engine Model: 606817

Engine Family: 8JDXL06.8105

Engine Serial Number: 6068HL281

EIN Number: TR4659

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.

BFB  
Signature  
(AQCMM or Delegate)

2/17/11  
Date

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)
2008	8JDXL06.8105	4.5, 6.8	Diesel	8000
<b>SPECIAL FEATURES &amp; EMISSION CONTROL SYSTEMS</b>			<b>TYPICAL EQUIPMENT APPLICATION</b>	
Direct Diesel Injection, Turbocharger, Charge Air Cooler, Electronic Control Module, Smoke Puff Limiter			Loader, Tractor, Pump, Compressor, Generator Set, Other Industrial Equipment	

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 (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):

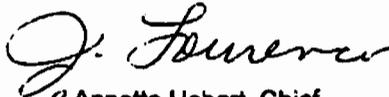
RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
75 ≤ kW < 130	Tier 3	STD	N/A	N/A	4.0	5.0	0.30	20	15	50
		CERT	-	-	3.4	1.5	0.25	13	3	25

**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<sup>th</sup> day of December 2007.

  
 Annette Hebert, Chief  
 Mobile Source Operations Division

Engine Model Summary Form

U-R-004-0313

Manufacturer: John Deere Power Systems  
 Engine category: Nonroad CI  
 Engine Family: 8JDXL08.8105  
 Model Name: 350HAC  
 Status Code: New Submission

Attachment p. 1 of 6

1. Engine Code	2. Engine Model	3. HP @ RPM (SAE Gross)	4. Fuel Rate: mm/stroke @ peak HP (for diesel only)	5. Fuel Rate: (lb/hr) @ peak HP (for diesels only)	6. Torque @ RPM (SEA Gross)	7. Fuel Rate: mm/stroke @ peak torque	8. Fuel Rate: (lb/hr) @ peak torque	9. Emission Control Device Per SAE J1930
4045HF288	4045H	115.33@2400	84.80@2400	45.77@2400	317.11@1600	101.1@1600	36.45@1600	EM EC SPL
4045HF285A	4045H	148.18@2400	111.50@2400	60.17@2400	413.65@1600	131.8@1600	47.40@1600	EM EC SPL
4045HF285G	4045H	139.47@2400	102.10@2400	55.14@2400	387.17@1600	120.2@1600	43.33@1600	EM EC SPL
4045HF285F	4045H	124.72@2400	91.80@2400	49.56@2400	354.72@1600	111.9@1600	40.33@1600	EM EC SPL
4045HF285C	4045H	115.33@2400	84.80@2400	45.77@2400	317.11@1600	101.1@1600	36.45@1600	EM EC SPL
4045HF285D	4045H	115.33@2200	90.40@2200	44.71@2200	354.72@1600	113.7@1600	40.97@1600	EM EC SPL
4045HF285E	4045H	124.72@2200	97.00@2200	47.98@2200	387.17@1600	124.3@1600	44.78@1600	EM EC SPL
6068HF285E	6068H	173.00@2400	82.40@2400	66.69@2400	491.89@1500	101.22@1500	51.22@1500	EM EC SPL
6068HF285F	6068H	173.00@2200	86.80@2200	64.18@2200	526.55@1500	108.48@1500	54.83@1500	EM EC SPL
6068HF285G	6068H	155.66@2400	75.70@2400	61.31@2400	441.01@1500	93.6@1500	47.43@1500	EM EC SPL
6068HF285H	6068H	155.66@2200	79.20@2200	58.76@2200	491.89@1500	102.8@1500	52.01@1500	EM EC SPL
6068HF285I	6068H	139.47@2400	68.90@2400	55.80@2400	396.76@1500	87.3@1500	44.23@1500	EM EC SPL
6068HF285J	6068H	139.47@2200	72.30@2200	53.64@2200	441.01@1500	98.4@1500	48.88@1500	EM EC SPL
4045HF285J	4045H	128.06@1800	115.80@1800	48.90@1800				EM EC SPL
4045HF285I	4045H	158.25@1800	144.10@1800	58.32@1800				EM EC SPL
4045HF285H	4045H	132.77@1800	121.70@1800	49.26@1800				EM EC SPL
6068HDW7D	6068H	152.88@2350	78.10@2350	60.37@2350	511.07@1600	107.6@1600	58.10@1600	EM EC SPL
6068HT066	6068H	123.38@2100	68.20@2100	48.29@2100	401.18@1500	90.4@1500	45.84@1500	EM EC SPL
6068HT069	6068H	173.00@2000	83.80@2000	63.28@2000	544.26@1500	120.7@1500	61.07@1500	EM EC SPL
4045HT056	4045H	127.40@2200	85.60@2200	49.81@2200	387.17@1600	108.58@1600	45.11@1600	EM EC SPL
6068HT063A	6068H	187.63@2100	87.50@2100	62.00@2100	550.88@1500	118.2@1500	58.79@1500	EM EC SPL
6068HT063B	6068H	173.00@2100	90.00@2100	63.74@2100	573.75@1500	119.1@1500	60.26@1500	EM EC SPL
4045HL281	4045H	116.67@2300	90.10@2300	48.61@2300	353.40@1600	117.2@1600	42.16@1600	EM EC SPL
4045HFS83	4045H	158.25@1800	144.10@1800	58.32@1800				EM EC SPL
4045HFS82	4045H	126.06@1800	115.80@1800	48.90@1800				EM EC SPL
4045HDW53	4045H	128.74@2200	100.90@2200	49.94@2200	389.39@1600	122.6@1600	44.21@1600	EM EC SPL
6068HRT86	6068H	151.54@2200	82.00@2200	58.65@2200	467.56@1500	105.7@1500	51.59@1500	EM EC SPL
6068HRT85B	6068H	138.13@2200	74.80@2200	53.58@2200	428.26@1500	94.9@1500	48.30@1500	EM EC SPL
6068HRT85A	6068H	127.40@2200	70.50@2200	50.27@2200	393.07@1500	82.2@1500	44.98@1500	EM EC SPL
6068HL280	6068H	140.81@2300	73.10@2300	54.28@2300	429.21@1600	97.95@1600	50.42@1600	EM EC SPL
6068HRW72	6068H	140.81@2300	73.10@2300	54.28@2300	429.21@1600	97.95@1600	50.42@1600	EM EC SPL
6068HL281	6068H	173.00@2100	83.30@2100	63.32@2100	575.23@1500	125.1@1500	60.72@1500	EM EC SPL
6068HRW74	6068H	173.00@2100	83.30@2100	63.32@2100	575.23@1500	125.1@1500	60.72@1500	EM EC SPL
6068HL280A	4045H	119.36@2300	64.20@2300	47.62@2300	364.31@1600	87@1600	44.98@1600	EM EC SPL
4045HL283B	4045H	115.33@2300	85.80@2300	46.74@2300	351.77@1600	121.9@1600	42.11@1600	EM EC SPL
4045HL283A	4045H	123.38@2300	98.10@2300	48.73@2300	376.11@1600	127.6@1600	44.10@1600	EM EC SPL
4045HL283C	4045H	104.60@2300	85.90@2300	42.77@2300	319.33@1600	113@1600	38.81@1600	EM EC SPL
6068HDW74A	6068H	152.88@2350	78.10@2350	60.37@2350	511.07@1600	107.3@1600	58.10@1600	EM EC SPL
6068HDW74B	6068H	152.88@2350	78.10@2350	61.82@2350	445.43@1600	94.54@1600	50.98@1600	EM EC SPL
6068HT087	6068H	139.47@2200	72.30@2200	53.64@2200	441.01@1500	98.4@1500	48.88@1500	EM EC SPL

DOT, CAC

Engine Model Summary Form

U-2-004-0313.

Manufacturer: John Deere Power Systems  
 Engine category: Nonroad CI  
 Engine Family: 8JDXL08.8105  
 City Name: 350HAC  
 ... Code: Running Change

Attachment p. 2 of 6.

1. Engine Code	2. Engine Model	3. BHP @ RPM (SAE Gross)	4. Fuel Rate: mm <sup>3</sup> /stroke @ peak HP (for diesel only)	5. Fuel Rate: (lb/hr) @ peak HP (for diesel only)	6. Torque @ RPM (SEA Gross)	7. Fuel Rate: mm <sup>3</sup> /stroke @ peak torque	8. Fuel Rate: (lb/hr) @ peak torque	9. Emission Control Device Per SAE J1930
4045HT280A	4045H	115.33@2200	92.40@2200	45.71@2200	354.72@1800	112.8@1800	40.50@1800	EM EC SPL <sup>DP</sup> , TC, CAC
4045HT057A	4045H	108.63@2200	89.20@2200	44.14@2200	337.03@1500	114.4@1500	38.81@1500	EM EC SPL
4045HT057B	4045H	115.33@2200	93.50@2200	46.28@2200	370.95@1500	118.9@1500	40.11@1500	EM EC SPL

### Engine Model Summary Form

Manufacturer: John Deere Power Systems  
 Engine category: Nonroad CI  
 Engine Family: 8JDXL06.6103  
 Assembly Name: 350HAC  
 Process Code: Running Change

U-2-004-0313

Attachment p. 3 of 6

1. Engine Code	2. Engine Model	3. BHP @ RPM (SAE Gross)	4. Fuel Rate: mm <sup>3</sup> /stroke @ peak HP (for diesel only)	5. Fuel Rate: (lb./hr) @ peak HP (for diesel only)	6. Torque @ RPM (SEA Gross)	7. Fuel Rate: mm <sup>3</sup> /stroke @ peak torque	8. Fuel Rate: (lb./hr) @ peak torque	9. Emission Control Device Per SAE J1850
4045HP052C	4045H	118.87@2100	96.90@2100	45.75@2100	353.89@1575	113.8@1575	40.33@1575	EM EC SPL
4045HP052A	4045H	135.45@2100	111.50@2100	52.65@2100	383.68@1575	122.4@1575	43.35@1575	EM EC SPL
4045HP052B	4045H	128.07@2100	105.50@2100	49.81@2100	388.76@1575	122.5@1575	43.39@1575	EM EC SPL

TC, LAC  
↓

### Engine Model Summary Form

Manufacturer: **John Deere Power Systems**  
 Engine category: **Nonroad CI**  
 EPA Engine Family: **8JDXL08.8105**  
 Family Name: **350HAC**  
 Iss Code: **Running Change**

U-2-004-0313

Attachment p. 4 of 6

1. Engine Code	2. Engine Model	3 BHP @ RPM (SAE Gross)	4. Fuel Rate: mm <sup>3</sup> /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 <sup>3</sup> /stroke @ peak torque	8. Fuel Rate: (lbs/hr) @ peak torque	9. Emission Control Device Per SAE J1930
4045HDW54	4045H	128.74@2200	100.90@2200	49.94@2200	389.43@1800	122.6@1800	44.21@1800	EM EC SPL <sup>TDI, TC, CAC</sup>

### Engine Model Summary Form

**Manufacturer:** John Deere Power Systems  
**Engine category:** Nonroad CI  
**EPA Engine Family:** 8JDXL06.8105  
**Family Name:** 350HAC  
**Process Code:** Running Change

U-2-004-0313

Attachment p. 5 of 6

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
6088HT072	6068H	173.00@2000	93.80@2000	63.28@2000	544.25@1500	120.7@1500	61.07@1500	EM EC SPL <u>DP, TC, CAC</u>

## Engine Model Summary Form

U-R-004-0313

**Manufacturer:** John Deere Power Systems  
**Engine category:** Nonroad CI  
**EPA Engine Family:** 8JDXL08.8105  
**Mfr Family Name:** 350HAC  
**Process Code:** Running Change

Attachment

P. 6 of 6

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 J1630
6068HL280B	0068H	130.08@2300	68.50@2300	51.59@2300	398.76@1600	89.2@1600	48.08@1600	EM EC SPL <b>DDI, TC, CAC</b>
6068HL280C	0068H	140.81@2300	73.10@2300	54.28@2300	429.21@1600	87.95@1600	50.42@1600	EM EC SPL
6068HL281A	0068H	158.90@2100	82.70@2100	58.43@2100	522.87@1500	114.1@1500	57.54@1500	EM EC SPL
6068HL281B	6068H	173.00@2100	93.30@2100	63.32@2100	575.23@1500	125.1@1500	60.72@1500	EM EC SPL
4045HL283D	4045H	123.38@2300	98.10@2300	48.73@2300	378.11@1600	127.6@1600	44.10@1600	EM EC SPL

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

Monthly Compliance Report #4

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 I, 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

March 2011



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## INTRODUCTION

On behalf of Palo Verde Solar I, 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). The Phase 1A includes development of the initial production well, creation of an equipment staging area around the production well, development of a Shared Facilities (Services) area, development of an East/West (E/W) Connector Road linking the Well (Staging) Area to the north end of the Main (Permanent) Access Road, development of the Main Access Road itself, and construction of a portion of the Unit 1 solar field including the power block area. Surveys of these facility areas 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 (COCs) (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 (USFWS) Section 7 Biological Opinion on the Blythe Solar Power Plant No. FWS-ERIV-09B0186-10F0880 (October 8, 2010)
- Bureau of Land Management (BLM) Right of Way (ROW) Grant, Serial Number CACA-048811 (November 1, 2010)
- Record of Decision (ROD), BSPP and Amendment to the California Desert Conservation Area Plan, BLM Case File Number CACA-048811, Environmental Impact Statement FES 10-41 (October 2010)

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This report documents compliance monitoring activities and species observed on site during pre-construction surveys, desert tortoise (DT) clearance surveys, and construction monitoring conducted in February 2011. The following biological surveys and monitoring took place in February 2011:

- Western burrowing owl (WBO), kit fox (KF), nesting bird, and American badger (AB) pre-construction surveys for portions of the Main Access Road
- WBO, KF, and AB focused surveys for portions of the Main Access Road
- WBO, nesting bird, KF, and AB pre-construction surveys for the Unit 1 DT fence line and associated buffers
- DT clearance surveys of the Main Access Road prior to DT exclusion fence installation
- Biological monitoring of the Main Access Road and Shared Facilities during silt and DT fence installation
- Biological monitoring of the Well Area during cattle guard excavation/installation, and DT exclusion fence installation
- Golden eagle inventory for the Phase 1A project area and 1-mile buffer
- Weekly reconnaissance for ravens, focusing on potential subsidies

## **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 ROW owned by the federal government and managed by the BLM, pursuant to an ROW grant issued to PVSII from BLM and the parallel thermal electric power plant 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), which totals 773 acres, is shown in Figure 1.

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

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on November 29, 2010, for the Well Area and Main Access Road within Phase 1A. The first unit is expected to come on line in 2014, and subsequent units are anticipated to come on line in each of the following 3 years.

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

Biological mitigation measures for the BSPP site were developed through consultation with CEC, the California Department of Fish and Game (CDFG), 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 February 2011, Project activities were in compliance with the COCs that apply to the pre-construction and construction activities. 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-16: Pre-Construction Nest Surveys
- 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-24: Golden Eagle Inventory and Monitoring
- BIO-26: Couch's Spadefoot Toad Impact Avoidance and Minimization Measures

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The remaining biological 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, 16, 17, 18, and 24, and followed 1993 CDFG Burrowing Owl Guidelines; standard nest-locating techniques (Martin and Guepel 1993); 2011 USFWS Draft Eagle Conservation Plan Guidance; 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 (within 30 days) disturbance activities associated with installation of DT fencing and clearing and grubbing, and per COC BIO-18, portions of Phase 1A and a 500-foot buffer were surveyed for WBOs, sign, and/or burrows (Figure 2). Areas surveyed in February included a 7,000-linear-foot portion of the Main Access Road and the 20,029-linear-foot DT fence alignment around the portion of Unit 1 within Phase 1A. The transects were spaced no more than 30 meters apart, although they were adjusted depending on location to obtain 100% visual coverage. Surveys were led by the DB, accompanied by BMs. 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, two follow-up focused surveys were conducted within the Main Access Road survey area. These focused surveys were undertaken during the early morning or evening according to WBO survey guidelines.

Prior to disturbance activities and per COC BIO-17, portions of Phase 1A and a 20-foot buffer were surveyed for KF and AB and burrows/dens. Several potential AB/KF burrow complexes were identified during transect surveys along the Main Access Road and the fenceline boundary of Unit 1, and were reinvestigated in conformance with the methods outlined in BIO-17 for KF and AB. A follow-up focused survey was conducted on four burrow complexes within the Main Access Road survey area for three nights, using tracking medium and camera stations.

Within 24 hours of the initiation of DT fence installation along the Main Access Road and perimeter of Shared Facilities, a fence line survey was conducted in accordance with COC BIO-9 to clear the area of DT. The fence line construction disturbance limits on either side of the fence centerline will not exceed 15 feet; therefore, surveys occurred within a 60-foot-wide survey area centered on the fence line. Construction activities in February were focused on DT fence installation, therefore interior clearance surveys within DT exclusionary fenced areas (i.e., with

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transects walked in different directions) were not conducted. These surveys will occur prior to work occurring in enclosed sections.

Per BIO-16 and prior to disturbance, pre-construction nest surveys were conducted after February 1st for all potential nesting habitat in areas not under active construction. Standard nest-locating techniques such as those described in Martin and Guepel (1993) were followed. Surveys included areas within 500 feet of the boundaries of the active construction areas (including linear facilities). At least two pre-construction nest surveys were conducted prior to disturbance. At least one of the surveys was conducted within a 14-day period preceding initiation of construction activity.

Per the protocol required by BIO-24, AECOM wildlife biologists Paul Andreano and Robert Conohan conducted golden eagle surveys on February 23 and 24, 2011, for the entire Phase 1A disturbance area and associated 1-mile buffer. The observations for golden eagle activity were conducted from the ground using two observers with high powered optics. Detailed survey methods are described in the report that will be provided separately. The approach followed recommendations made in the USFWS Interim Golden Eagle inventory and monitoring protocols (Pagel et al. 2010) which recommend that “ground surveys for golden eagles may be achieved without aerial support, or may be used to augment extant aerial surveys. Well placed Observation Points provide unobstructed viewing of the potential nesting location or of the area to be surveyed; including a broad panorama of the surrounding area”. The AECOM raptor surveyors spent 14 total field hours surveying the study site for golden eagle activity, with 8 total hours of focused observation on the southern end of the McCoy Mountains.

Construction monitoring was conducted in compliance with COCs BIO-8 and BIO-9. Construction activities, including all disturbance associated with DT fenceline construction, were confined to the surveyed and staked disturbance boundaries in accordance with these conditions. All construction and related disturbance activities (e.g., driving of equipment, water truck spraying) occurring in areas not yet fenced with DT exclusion fencing were cleared for DT prior to the start of the work day; construction activities were monitored by the DB or BM (with DB oversight). When clearing, grubbing, and grading occurred in these areas, the DB or BM walked ahead of the construction equipment as it moved along its designated path.

Pre-construction and clearance surveys data were collected on designated Pre-Construction or Clearance Survey Data Sheets and electronically scanned/uploaded daily. Biological monitoring data were collected on designated Daily Biological Monitoring Logs. Global Positioning System (GPS) data (special-status species detections, sign, burrow data) were also collected and uploaded daily.

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## SUMMARY OF ACTIVITIES

Activities for February 2011 were as follows:

- Monitoring of DT fence installation at Shared Facilities and Main Access Road to the south
- 2/1 through 2/10, DT fenceline clearance surveys along boundaries of Shared Facilities
- Clearance and installation of silt/DT fencing on boundaries of Shared Services area from 2/1 through 2/10
- Installation of DT exclusion gating at north end of Main Access Road on 2/10
- WBO/AB/KF and Nesting Bird surveys along 7,000 linear feet of Main Access Road south of the Shared Facilities area on 2/10 and 2/11.
- 2/10 through 2/28, DT fenceline clearance surveys along Main Access Road south of the Shared Facilities.
- Clear and grub of portions of the DT fence alignment along the Main Access Road began on 2/10.
- Follow up focused surveys for WBO/KF/AB along Main Access Road and buffers during week of 2/14.
- 2/10 through 2/28, DT fencing of 6,500 linear feet along Main Access Road south of the Shared Facilities.
- Excavation, backfilling, and trenching for installation of DT fencing along Main Access Road 2/10 through 2/28
- Excavation and installation of a cattle guard at entrance to the Well Area on 2/18 through 2/22. Monitoring of cattle guard installation.
- WBO/AB/KF and nesting bird surveys along DT fence line and 500-foot buffer around Phase 1a unit 1 area February 22-25.
- Completion of 1st round of annual golden eagle surveys within 1-mile buffer of Phase 1a performed February 22-23

Biological clearance surveys for AB, KF, and WBO were conducted within 30 days prior to disturbance activities, as listed in Table 1. DT fenceline surveys were conducted within 24 hours of initiation of disturbance activities. Ground disturbance and installation of DT fencing was monitored by the DB. Two nesting bird surveys were conducted with the second occurring within 14 days prior to disturbance activities.

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## **SURVEY RESULTS**

### **Main Access Road**

A follow-up focused AB/KF protocol survey occurred during the evenings of February 15-17 to obtain additional information regarding occupancy of potential KF and AB burrows found between February 10 and 11, 2011, within the Main Access Road and associated buffers. A follow-up focused WBO protocol survey occurred during the evenings of February 15-17 to obtain additional information regarding occupancy of suitably sized burrows found between February 10 and 11, 2011, within the Main Access Road and associated buffers. None of these burrows were found to be occupied by AB, KF, or WBO during the focused surveys. No actively nesting birds were found within the Main Access Road or 500-foot buffer. During the focused surveys, several adult DT carcass fragments were found in a 1.5 square meter area near burrow BDCRB401 and were documented by photo (Attachment 3). No other evidence of DT was seen during the surveys or biological monitoring activities.

### **Unit 1 Fenceline**

Four burrows were identified of suitable size for KF and AB between February 22 and 25 within the Unit 1 fenceline and 20-foot buffer survey area. These burrows are being monitored according to the methods outlined above in early March 2011. Between February 22 and 25, thirteen burrows of suitable size for WBO were identified within the Unit 1 fenceline and 500-foot-buffer survey area. These are designated for focused survey protocols in early March.

A single WBO and associated occupied burrow was found approximately 485 feet from the DT fence alignment. It is located within the 500-foot survey buffer outside the Unit 1 disturbance area for Phase 1a. The burrow is within the southeast corner of the buffer around the portion of Unit 1 to be fenced in late March. A 250-foot non-disturbance zone marked with fencing and signage will be implemented on March 4<sup>th</sup>. The location of the active WBO burrow and 250-foot non-disturbance buffer zone is shown on Figure 2. The status of the WBO will be monitored regularly by the DB per the WBO Mitigation and Monitoring Plan and will be reported in subsequent monitoring reports.

No actively nesting birds were found during the 1<sup>st</sup> survey within the Unit 1 fence line or 500-foot buffer. The 2<sup>nd</sup> survey will be conducted progressively along the alignment within 14 days of fence installation. Several adult DT bone fragments were found in isolated locations. No other evidence of DT was seen during the surveys.

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## **Golden Eagle Survey**

No golden eagles were seen, and no indication of golden eagle nesting in the study area was found. Surveys focused on the southern portion of the McCoy Mountains and utility towers and power poles south of I-10, as these are the only features in the study area landscape with any potential to be utilized by eagles. Mr. Andreano concluded that there is extremely little, if any, suitable golden eagle nesting habitat inside the current buffered study area surrounding Phase 1A. There are no known eagle nests within the 1-mile buffered area. The nearest known golden eagle nest was documented by the Wildlife Research Institute as “old and inactive” on March 26, 2010. This inactive nest is located in the McCoy Mountains, approximately 3.5 miles west of the western edge of the project buffer zone (Dave Bittner, pers. comm.). The USFWS recommends a repeat observation period at known nest sites and known occupied (or previously occupied) territories, at least 30 days after the initial survey. Due to the lack of golden eagle activity recorded during this and all previous focused surveys for golden eagles at the BSPP site, and the small amount of sub-standard nesting habitat within the Phase 1a project buffer area, a repeat survey for golden eagles within the current buffered area is not necessary this year.

## **Raven Monitoring**

Weekly monitoring of raven activity was conducted per the Raven Monitoring and Management Plan. Monitoring focused on potential subsidies such as waste disposal areas and staged equipment. Three ravens were observed over the course of the month, one of which was flying overhead and two were perched on existing ironwood trees.

## **Weed Monitoring**

During the month of February, annual plants were beginning to germinate and grow. However, it was too early to identify the species and determine if invasive weeds were present in areas of project disturbance. Weed presence will be checked again in March.

## **WORKER ENVIRONMENTAL AWARENESS PROGRAM (WEAP)**

The DB continues to administer a BSPP-specific Worker Environmental Awareness Program (WEAP) that includes a brochure, training video, species cards, and hard hat stickers. As required by COC BIO-6, all new employees/field staff reporting to the site must receive the WEAP training prior to start of work.

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All personnel reporting to the field in February received WEAP training, 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 PVSİ 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).

**Table 1**  
**Compliance Monitoring and Survey Observations**

Location	Construction Activity	Start Date	End Date	Survey Type	Monitor	Special-Status Species	Observations
Shared Facilities	Clearing and grubbing, trenching, silt and DT fence installation	1-Feb	7-Feb	Biological Monitoring	Ray Romero (DB)	None	Numerous small mammal burrows observed. On 7-Feb, retrieved coachwhip snake discovered under Kiewit truck on main access road and safely relocated.
Cultural Resources Site - Cobble Terrace	Paleontology spot-check of cultural area.	7-Feb	7-Feb	Biological Monitoring	Ray Romero (DB)	None	Escorted paleo monitor to cultural resources site and monitored activity; no sensitive biological resources encountered.
Main Access Road	Clear and grub, trenching, silt and DT fence installation	10-Feb	28-Feb	Biological Monitoring	Ray Romero (DB)	Kit fox (scat)	<p>10-Feb, Escorted BMs to set up for transect surveys; inspected older bird nest in Palo Verde tree along eastern boundary of main plant road - no confirmed nesting activity at this location (nest is inactive).</p> <p>11-Feb, Supported bio transect survey staff; 6000 linear ft. completed.</p> <p>Conducted DT clearance survey along 800 additional feet of road in preparation for clear and grub by grader. 11-Feb, possible KF scat seen near road;</p> <p>14-Feb, pre-surveyed east side of the access road alignment for DT before trenching; monitored fence installation. Inactive nest from 11-Feb remains unoccupied and will be removed prior to clear and grub.</p>

Location	Construction Activity	Start Date	End Date	Survey Type	Monitor	Special-Status Species	Observations
							<p>15-Feb, dead kangaroo rat found in spoils pile and was properly disposed of.</p> <p>16-Feb, kangaroo rat unearthed during trenching along eastern boundary of main plant road; was unharmed and ran outside of disturbance area. Relocated a sidewinder snake from grader blade to outside of disturbance area.</p> <p>22-Feb, pre-surveyed additional disturbance area before clear, grub and excavation; monitored fence installation.</p> <p>23-Feb, monitored clear and grub, large tree removal from wash.</p> <p>25-Feb, dead shovel-nosed snake found in spoils pile and disposed of.</p> <p>28-Feb, two dead iguanas found during clear and grub, as well as on badly-injured shovel-nosed snake that was moved outside of disturbance area.</p>
Main Access Road	Pre-con survey prior to clear and grub for DT fence installation	10-Feb	10-Feb	Transect-WBO, AB, KF	Mike Ireland (BM), Donna Germann (BM)	None	Four potential burrows encountered; one (BMADG001) somewhat suitable for AB, had mammal scat present. Of the other three, smaller burrows, one had an old pellet present (BMADG002); the others (BMADG003 and BMAMT001) had no sign present.
Main Access Road	Pre-con survey prior to clear and grub for DT fence installation	10-Feb	10-Feb	Nesting Bird	Mike Ireland (BM), Donna Germann (BM)	None	Inactive nest found; no other nesting activity or sign encountered.

Location	Construction Activity	Start Date	End Date	Survey Type	Monitor	Special-Status Species	Observations
Main Access Road	Pre-con survey prior to clear and grub for DT fence installation	11-Feb	11-Feb	Transect-WBO, AB, KF	Mike Ireland (BM), Donna Germann (BM)	None	Numerous burrows with scat and other sign encountered in area; many suitable for WBO, AB, and KF. Several burrows in complex will require focused WBO and mammal focused surveys.
Main Access Road	Pre-con survey prior to clear and grub for DT fence installation	11-Feb	18-Feb	Nesting Bird	Mike Ireland (BM), Donna Germann (BM)	None	Three inactive nests encountered; no other nesting activity seen.
Main Access Road	Pre-con survey prior to clear and grub for DT fence installation	15-Feb	18-Feb	Nesting Bird	Rocky Brown (BM)	None	Four separate older nests found were observed for approximately 15 minutes each; no activity observed. Dismantled inactive nests BNERR001 and BNEMI002 on 18-Feb., others cleared with vegetation for DT fence installation.
Main Access Road	Pre-con survey prior to clear and grub for DT fence installation	15-Feb	22-Feb	KF/AB/WBO Focused	Rocky Brown (BM)	DT (carcass fragments)	Twenty-three burrows examined from complexes found on 10-Feb and 11-Feb. Several were eliminated from further focused survey due to suitability for small mammals only. Tracking medium was deposited at the entrances to the remaining burrows in order to check for tracks later. Several adult DT carcass fragments (Class 5) found in a 1.5 square meter area near burrow BDCRB401.

Location	Construction Activity	Start Date	End Date	Survey Type	Monitor	Special-Status Species	Observations
Main Access Road	Pre-con survey prior to clear and grub for DT fence installation	16-Feb	22-Feb	KF/AB/WBO Focused	Rocky Brown (BM)	DT (bone fragments)	Second visit to burrows from 15-Feb where tracking medium was deposited showed positive sign of small mammal usage in all except one. One burrow from 15-Feb (BMAMI006) shows tracks consistent with small mammal. Larger burrow (BMADG013) showed canine tracks and scratch marks outside entrance. Possible DT bone fragments (Class 5) found near burrow BDCRB402.
Main Access Road	Pre-con survey prior to clear and grub for DT fence installation	17-Feb	22-Feb	KF/AB/WBO Focused	Rocky Brown (BM)	Kit fox (scat)	Third visit to suitable burrows BMAMI006, BMAMI007, BMAMI009, BMADG001, BMADG010, BMADG011, BMADG013. Based on disturbance and tracks on 17-Feb, appears to be small mammal occupancy at BMAMI006. Four burrows (BMADG001, BMAMI007, BMADG010, and BMADG011) were scoped and found to be unoccupied. Three burrows (BMAMI009, BMAMI007, and BMADG011) were collapsed on 18-Feb; one will be re-visited. Recent KF scat near entrance to BMADG013. Camera station at BMADG013 showed no activity after three days. On 22-Feb BMADG013 was collapsed. Survey complete for WBO at these burrows.
Well Area	Chipping cut vegetation; excavation for cattle guard installation	18-Feb	22-Feb	Biological Monitoring	Ray Romero (DB)	None	Monitored excavation for cattle guard pit, and setting of cattle guard; discussed and monitored placement of DT fencing around cattle guard.

Location	Construction Activity	Start Date	End Date	Survey Type	Monitor	Special-Status Species	Observations
Unit 1 DT Fenceline	Pre-con survey prior to clear and grub for DT fence installation	22-Feb	25-Feb	KF/AB/WBO Transect	Mike Ireland (BM), Rocky Brown (BM)	WBO individual and occupied burrow	Fifteen burrows/complexes found to be suitable for WBO. Of those, 5 (BMAMI011, BMAMI012, BMAMI014, BMAMI015, BMARB406) were suitable for KF and AB as well and will be included in focused KF/AB survey. One active WBO burrow (BBBMI001) found within 500-ft. buffer and will be included in focused WBO survey. DT bones (Class 5) found in isolated locations.
Unit 1 DT Fenceline	Pre-con survey prior to clear and grub for DT fence installation	22-Feb	25-Feb	Nesting Bird	Mike Ireland (BM), Rocky Brown (BM)	None	No active nests or nesting activity encountered.

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## REFERENCES

U. S. Fish and Wildlife Service (USFWS). 2011. Proposed Rule: Draft Eagle Conservation Plan Guidance. Federal Register 76 FR 9529. <http://federalregister.gov/a/2011-3700>

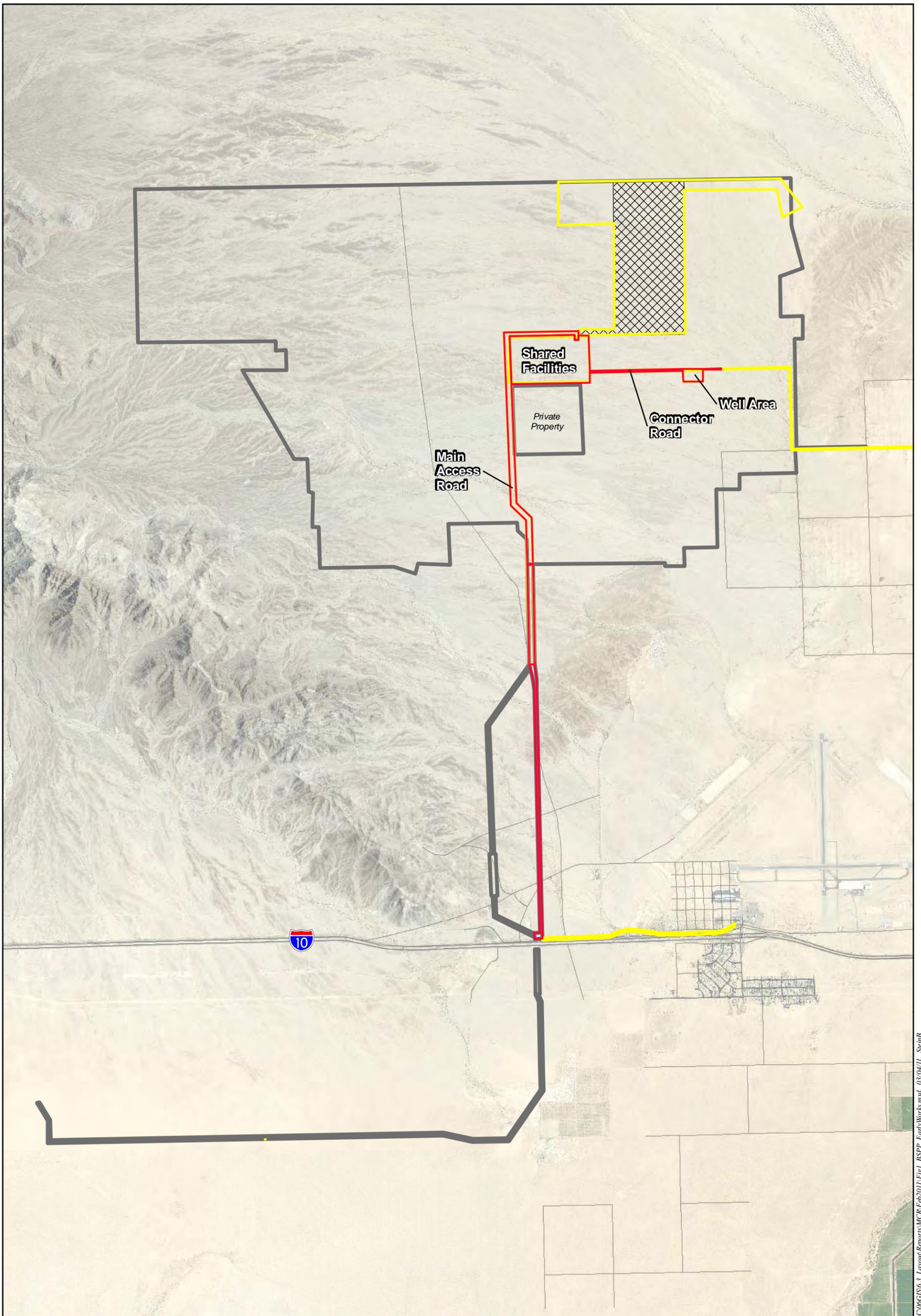
Martin and Guepel. 1993. Nest Monitoring Plots: Methods for Locating Nests and Monitoring Success. Journal of Field Ornithology.



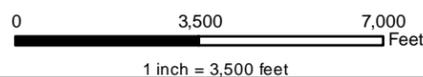
**ATTACHMENT 1**

**FIGURES**





- Legend**
- Project Disturbance Area
  - Early Works Area
  - Unit 1 Segment
  - Phase 1a Disturbance Area



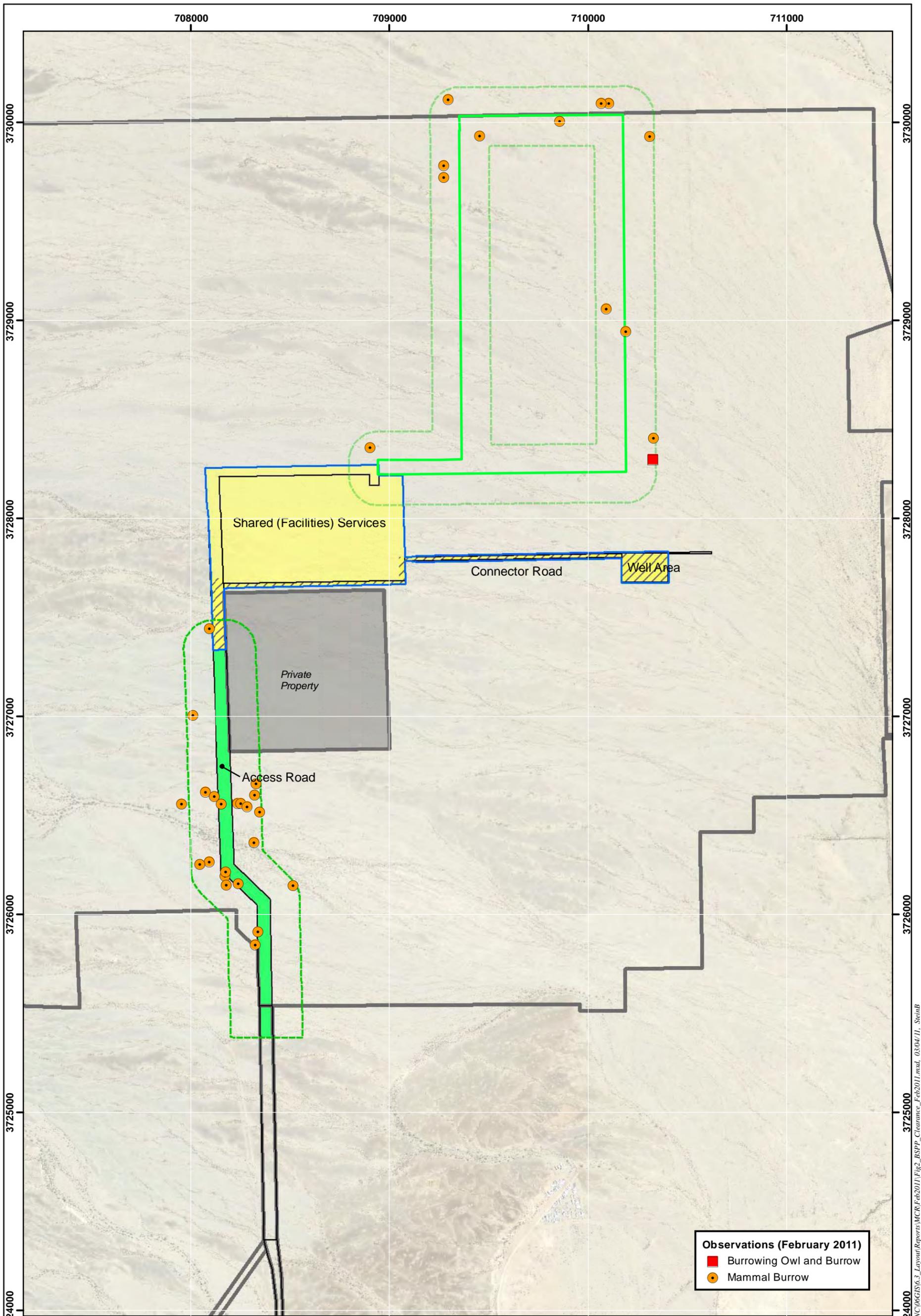
**Blythe Solar Power Project**

**Figure 1  
Monthly Compliance  
Biological Resources  
Report - February**

Source: NAIP 2009; Riverside County 2010; AECOM 2010  
Coordinate Grid System: UTM Z11 N, NAD 83, meters



Date: March 2011



**Observations (February 2011)**  
 ■ Burrowing Owl and Burrow  
 ● Mammal Burrow



**Legend**

Project Disturbance Area	AF KB WBO Survey Area
Early Works	500-foot WBO Buffer Survey Area
DT Fence, Unit 1 Segment	<b>Previously Surveyed</b>
DT Clearance Area	AF KB WBO Survey Area

1 inch = 1,500 feet

0 1,500 3,000 Feet



**Blythe Solar Power Project**

**Figure 2**  
**Monthly Compliance**  
**Biological Resources**  
**Report - February**

Source: NAIP 2009; Riverside County 2010; AECOM 2010  
 Coordinate Grid System: UTM Z11 N, NAD 83, meters

**AECOM**

Date: March 2011

**ATTACHMENT 2**

**SPECIES OBSERVED DURING FEBRUARY  
SURVEYS AND MONITORING**



**WILDLIFE SPECIES DETECTED DURING  
BIOLOGICAL COMPLIANCE CLEARANCE SURVEYS AND MONITORING  
February 2011**

Scientific Name	Common Name
<b>INVERTEBRATES</b>	
Family <i>Tenebrionidae</i>	Darkling beetle
<b>AMPHIBIANS – None observed</b>	
<b>REPTILES</b>	
<i>Callisaurus draconoides</i>	Zebra-tailed lizard
<i>Chionactis occipitalis</i>	Western shovel-nosed snake
<i>Cnemidophorus tigris</i>	Western whip-tail lizard
<i>Crotalus cerastes</i>	Sidewinder
<i>Dipsosaurus dorsalis</i>	Desert iguana
<i>Masticophis flagellum</i>	Coachwhip snake
<i>Phrynosoma platyrhinos</i>	Desert horned lizard
<i>Uta stansburiana</i>	Side-blotched lizard
<b>BIRDS</b>	
<i>Amphispiza belli</i>	Sage sparrow
<i>Athene cunicularia</i> <sup>2</sup>	Western Burrowing Owl <sup>2</sup>
<i>Circus cyaneus</i> <sup>2</sup>	Northern harrier <sup>2</sup>
<i>Columba livia</i>	Rock pigeon
<i>Corvus corax</i>	Common raven
<i>Eremophila alpestris actia</i> <sup>1</sup>	California horned lark <sup>1</sup>
<i>Euphagus cyanocephalus</i>	Brewer's blackbird
<i>Lanus ludovicianus</i> <sup>2</sup>	Loggerhead shrike <sup>2</sup>
<i>Phainopepla nitens</i>	Phainopepla
<i>Riparia riparia</i>	Bank swallow
<i>Tachycineta thalassina</i>	Violet-green swallow
<b>MAMMALS</b>	
<i>Dipodomys merriami</i>	Merriam's kangaroo rat
<i>Lepus californica</i>	Black-tailed jackrabbit

<sup>1</sup> CDFG watch list

<sup>2</sup> State species of special concern



**ATTACHMENT 3**

**PHOTOS**



Date & Time: Fri Feb 4 08:37:41 PST 2011  
Position: 11 N 708483 3728266  
Altitude: 492ft  
Azimuth/Bearing: 293° N67W 5209mils (True)  
Elevation Angle: +04.8°  
Horizon Angle: +01.6°  
Zoom: 1X  
Note: Photo 2. Taken by Ray Romero. Looking W at DT fence installation along N boundary of Shared Services.



Trenching for DT fence installation along northern boundary of the shared facilities area 2/4/2011

Date & Time: Mon Feb 7 15:21:26 PST 2011  
Position: 11 N 714847 3722594  
Altitude: 295ft  
Azimuth/Bearing: 346° N14W 6151mils (True)  
Elevation Angle: -27.3°  
Horizon Angle: -00.5°  
Zoom: 2X  
Note: Photo 2. Taken by Ray Romero. Relocated coachwhip snake from Kiewit truck.



Coachwhip relocated from under Kiewit truck along main (plant) access road 2/7/2011

Date & Time: Tue Feb 8 10:21:12 PST 2011  
Position: 11 N 708986 3728299  
Altitude: 410ft  
Azimuth/Bearing: 231° S51W 4107mils (True)  
Elevation Angle: +03.6°  
Horizon Angle: +01.8°  
Zoom: 1X

Note: Photo 1. Taken by Ray Romero. Looking SW at DT fence installation along N boundary of Shared Services.



Looking SW at DT fence installation along northern boundary of the shared facilities area 2/8/2011

Date & Time: Mon Feb 7 09:29:33 PST 2011  
Position: 11 N 711253 3728527  
Altitude: 476ft  
Azimuth/Bearing: 023° N23E 0409mils (True)  
Elevation Angle: +86.9°  
Horizon Angle: -54.6°  
Zoom: 1X  
Note:



Baby desert horned lizard found at cobble terrace (cultural resources) area 2/7/2011



Looking S. at well-developed burrow complex along main (plant) access road, south of the shared facilities area 2/10/2011



Large mammal burrow (BMADG001), along main (plant) access road, south of shared facilities area 2/10/2011



Looking at inactive nest in tree along main (plant) access road 2/11/2011



Close-up of inactive nest in tree along main (plant) access road 2/11/2011



Looking N at biologist investigating burrows along main (plant) access road 2/11/2011



Biologist measuring opening of burrow along main (plant) access road 2/11/2011



Two deep burrows found on 2/11/2011 along main (plant) access road will be included in focused WBO/KF surveys.



Burrow complex (BMADG013) along main (plant) access road will be included in focused WBO/KF surveys. 2-11-2011



Looking S. at burrow complex BMADG013 during focused WBO/KF surveys. Note canine scratch marks near entrance.  
2/16/2011



BMAMI006, part of a complex of large burrows along the main (plant) access road examined during focused surveys. 2-17-2011



Looking NE at possible DT carcass fragments found along main access (plant) road, during focused surveys. 2/16/2011



Close-up of DT bone fragments, see in photo above. 2-16-2011



Sidewinder rattlesnake was safely moved from grader blade along main (plant) access road to outside of ROW. 2/16/2011



Looking N. at installed cattle guard with DT fence at entrance to staging area. 2/22/2011



Looking west at active Western burrowing owl (WBO) burrow in Phase 1a. 2/24/2011



Close-up of active WBO burrow above. 2/24/2011

**ATTACHMENT 4**

**DAILY BIOLOGICAL MONITORING LOGS**



# Daily Biological Monitoring Log – Blythe Solar Power Project

## Solar Millennium BSPP Phase 1A Construction

USFWS Biological Opinion FWS-ERJ4-09B0186-10F0880

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

<b>Biological Monitor:</b> <i>Ray Romero</i>	<b>Date:</b> <i>2/1/11</i>
<b>Starting Location and Activity:</b> <i>DT fence shared services</i>	<b>Site Code:</b> <i>Blythe</i>
<b>Weather:</b> <i>clear, windy, cool</i>	<b>Start</b> <i>7:00 AM</i> <b>Midday</b> <i>12:00</i> <b>End</b> <i>3:00 PM</i>
<b>Rainfall?</b>	<b>Temp:</b> <i>43</i> <i>64</i> <i>66</i>
<b>Y <input checked="" type="checkbox"/> N</b>	<b>% Cloud Cover:</b> <i>0</i> <i>0</i> <i>0</i>

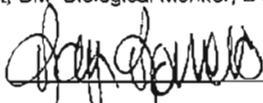
**ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE**

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

General Monitoring Section		
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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	<i>outside season</i>
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) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
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	
K) No standing water, note check times/locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>small puddle at H<sub>2</sub>O tank, Brent will take care of it.</i>
L) Road kill removed, note species/location	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no road kill</i>
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no spills</i>
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>some annual germination too early to be able to ID</i>

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

**Signature:**



SM Phase 1A BM Log Blythe final 02/1/11

Monitor: Ray Romero Date: 2/1/11

Incidental Species Observed		
Species	Activity (of species)	Location
side blotched lizard	hopping	shared services
horned larks	feeding	E. access rd.
rock dove	flying	shared services

Environmentally Sensitive Area (ESA) Monitoring Section				
ESA Number(s)	Condition		Compliance?	Comments
	A) Are exclusionary fencing and erosion control measures intact, with no sign of trespass? Describe		Yes No N/A	
	B) Any sensitive species observed inside fencing? Describe		Yes No N/A	
	C) Any sensitive species observed immediately outside fencing? Describe		Yes No N/A	
	D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe		Yes No N/A	
	E) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)		Yes No N/A	
	F) Is all stockpiling kept away from ESA, posing no threat for siltation/debris entering into ESA? Describe		Yes No N/A	

**Notes/Comments Section**

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>
650	8	5	Wtg - safety plan for day, stretch/flex	1
745	1	6	Presurey area to be excavated for DT fence. Monitor trenching.	}
910	1	6	Presurey add'tl 200ft in prep for clear/grub later today. No CSCs observed. Internal Krewit area cleared & to take care of puddling at water tank. Crossed wash in this area - couple of Ironwood trees were removed. water tank keeping dust down during trenching & backfill.	
1300	3	6	Monitor clear/grub along W&N boundary of shared services. Pest control in area.	
1500	1	6	Backfill complete. Depart site.	
1600	8	5	Attend Krewit 3-wk look ahead mtg.	

- |                                   |                    |                                   |                                 |   |
|-----------------------------------|--------------------|-----------------------------------|---------------------------------|---|
| <b>Activity (ACT)<sup>1</sup></b> |                    | <b>Location (LOC)<sup>2</sup></b> |                                 | <b>Compliance Levels (CL)<sup>3</sup></b> |
| 1. DT Fencing                     | 5. Excavation      | 1. DT Fence                       | 5. Other <u>Krewit office</u>   | 1. Acceptable                             |
| 2. Access/egress                  | 6. UXO Activities  | 2. Well Site                      | 6. Other <u>shared services</u> | 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: Ray Romero

**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>	<i>Ray Romero</i>	<b>Date:</b>	<i>2/2/11</i>		
<b>Starting Location and Activity:</b>	<i>Shared Services</i>	<b>Site Code:</b>	<i>Blythe</i>		
<b>Weather:</b>	<i>clear, extremely windy, cold</i>	<b>Start</b>	<b>Midday</b>	<b>End</b>	
		<i>7:00 AM</i>	<i>12:00</i>	<i>3:00 PM</i>	
<b>Rainfall?</b>	<b>Temp:</b>	<i>38</i>	<i>51</i>	<i>52</i>	
<b>Y <input checked="" type="radio"/> N <input type="radio"/></b>	<b>% Cloud Cover:</b>	<i>0</i>	<i>0</i>	<i>0</i>	

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

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 In emergencies, dial 911

General Monitoring Section		
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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	<i>outside season</i>
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) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
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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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no road kill</i>
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no spills</i>
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>not present</i>

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

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

*[Handwritten Signature]*

SM Phase 1A BM Log Blythe final 011111

Monitor: Brandon Date: 2/2/11

**Incidental Species Observed**

Species	Activity (of species)	Location
<u>Harvest Hawks</u>	<u>flitting</u>	<u>shared services</u>
<u>snail</u>	<u>burrows</u>	<u>" "</u>
<u>snail</u>	<u>burrows</u>	<u>" "</u>

**Environmentally Sensitive Area (ESA) Monitoring Section**

ESA Number(s)	Condition	Compliance?	Comments
	A) Are exclusionary fencing and erosion control measures intact, with no sign of trespass? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
	B) Any sensitive species observed inside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
	C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
	D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
	E) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
	F) Is all stockpiling kept away from ESA, posing no threat for siltation/debris entering into ESA? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

**Notes/Comments Section**

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>
<u>7:00</u>	<u>8</u>	<u>5</u>	<u>Keurt mtr. Depart for site.</u>	<u>4</u>
<u>7:40</u>	<u>1</u>	<u>6</u>	<u>Presurvey area prior to fencing. Also, presurvey add'l area in prep for clear grub. Extremely windy/cold conditions today. Gusts over 50 mph. No road for sit fencing along w/ &amp; N boundaries of shared services. Due to extreme conditions, were not able to complete 800' of DT fencing today. No photos taken due to dusty conditions.</u>	
<u>1:00</u>	<u>1</u>	<u>6</u>	<u>Backfill complete. Depart site.</u>	

**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 Keurt office
- 6. Other shared services
- 7. Other

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

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

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

Brandon

# 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>	2/2/11	
<b>Starting Location and Activity:</b>	Shared services	<b>Site Code:</b>	Blythe	
<b>Weather:</b>	clear, slight wind, cold	<b>Start</b>	<b>Midday</b>	<b>End</b>
		7:00AM	12:00	3:00PM
<b>Rainfall?</b>	<b>Temp:</b>	31	48	53
Y <u>(N)</u>	<b>% Cloud Cover:</b>	0	0	0

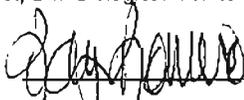
**ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE**

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

General Monitoring Section		
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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	outside season
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) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) Construction activity (including spoils/topsoil) and traffic <u>ONLY</u> within flagged areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	no road kill
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input 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	
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Gulde Instructions)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	none seen, too early.

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

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



SM Phase 1A BM Log-Blythe final 011111

Incidental Species Observed		
Species	Activity (of species)	Location
Invasive plants	flying	E. access rd.
Small mammal	burrows	shared services
Side-blotched lizard	basking	" "

Environmentally Sensitive Area (ESA) Monitoring Section			
ESA Number(s)			
Condition	Compliance?		Comments
A) Are exclusionary fencing and erosion control measures intact, with no sign of trespass? Describe	Yes	No N/A	
B) Any sensitive species observed inside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No	N/A	
C) Any sensitive species observed immediately outside fencing? Describe	Yes	No N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	Yes	No N/A	
E) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	Yes	No N/A	
F) Is all stockpiling kept away from ESA, posing no threat for siltation/debris entering into ESA? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No	N/A	

Notes/Comments Section				
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>
600	8	5	Kiewit mtg - safety plan, stretch flex	1
740	5	6	Presurvey area before trenching for DT fence. Continue presurvey of about 1900' for clear/grub later in day.	}
1050	1	6	Inspect trench prior to backfill. They will install 900' of DT fence today. No silt fence needed along W & N boundaries. Winds picking up slightly in afternoon. Water for water in area to keep down dust.	
1400	1	6	Backfill complete. Crew departing for yard. SWCA Poles onsite. Good w/ staff.	

- 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) mtg

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

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

Signature: Ray Romero

# 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> <i>Ray Romero</i>	<b>Date:</b> <i>2/4/11</i>								
<b>Starting Location and Activity:</b> <i>shared services</i>	<b>Site Code:</b> <i>Blythe</i>								
<b>Weather:</b> <i>clear sunny, no wind, cool</i>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;"><b>Start</b></td> <td style="width: 25%;"><b>Midday</b></td> <td style="width: 25%;"><b>End</b></td> </tr> <tr> <td><i>7:00 AM</i></td> <td><i>12:00</i></td> <td><i>3:00 PM</i></td> </tr> </table>	<b>Start</b>	<b>Midday</b>	<b>End</b>	<i>7:00 AM</i>	<i>12:00</i>	<i>3:00 PM</i>		
<b>Start</b>	<b>Midday</b>	<b>End</b>							
<i>7:00 AM</i>	<i>12:00</i>	<i>3:00 PM</i>							
<b>Rainfall?</b>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;"><b>Temp:</b></td> <td style="width: 25%;"><b>35</b></td> <td style="width: 25%;"><b>56</b></td> <td style="width: 25%;"><b>62</b></td> </tr> <tr> <td><b>% Cloud Cover:</b></td> <td><b>0</b></td> <td><b>0</b></td> <td><b>0</b></td> </tr> </table>	<b>Temp:</b>	<b>35</b>	<b>56</b>	<b>62</b>	<b>% Cloud Cover:</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Temp:</b>	<b>35</b>	<b>56</b>	<b>62</b>						
<b>% Cloud Cover:</b>	<b>0</b>	<b>0</b>	<b>0</b>						
<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

General Monitoring Section		
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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	<i>outside season</i>
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/borers) 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) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
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	
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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no road kill</i>
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no spills</i>
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>too early to ID</i>

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

**Signature:**

Monitor: Raydomo

Date: 2/4/11

Incidental Species Observed		
Species	Activity (of species)	Location
<u>horned larks</u>	<u>flying</u>	<u>shared services</u>
<u>sm. mammal</u>	<u>burrows</u>	<u>" "</u>

Environmentally Sensitive Area (ESA) Monitoring Section			
ESA Number(s)			
Condition	Compliance?		Comments
A) Are exclusionary fencing and erosion control measures intact, with no sign of trespass? Describe	Yes	No N/A	
B) Any sensitive species observed inside fencing? Describe	Yes	No N/A	
C) Any sensitive species observed immediately outside fencing? Describe	Yes	No N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	Yes	No N/A	
E) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	Yes	No N/A	
F) Is all stockpiling kept away from ESA, posing no threat for siltation/debris entering into ESA? Describe	Yes	No N/A	

Notes/Comments Section				
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>
<u>1:50</u>	<u>8</u>	<u>5</u>	<u>Kiewit mtg - safety plan, stockpile</u>	<u>1</u>
<u>7:40</u>	<u>1</u>	<u>6</u>	<u>Presurvey work area prior to trenching for DT fence. Surveyed add'l 800' prior to clean grub later in day. Water tank spraying area during excavation of trench</u>	}
<u>10:50</u>	<u>1</u>	<u>6</u>	<u>Inspected trench prior to backfill.</u>	
<u>1:40</u>	<u>1</u>	<u>6</u>	<u>backfill complete. Grader leveling ROW. Rest of crew starting to head back to yard.</u>	
<u>1:50</u>	<u>1</u>	<u>6</u>	<u>Work complete. Depart site. Crew replaced both temp gates before we departed for the day.</u>	

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

Signature: Raydomo

**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>	<i>Ray Romero</i>	<b>Date:</b>	<i>2/7/11</i>		
<b>Starting Location and Activity:</b>	<i>Shred Services</i>	<b>Site Code:</b>	<i>Blythe</i>		
<b>Weather:</b>	<i>Clear sunny, no wind, warm</i>	<b>Start</b>	<i>7:00 AM</i>	<b>Midday</b>	<i>12:00</i>
<b>Rainfall?</b>	<b>Temp:</b>	<i>41</i>	<i>44</i>	<i>72</i>	<i>76</i>
<b>Y <input checked="" type="radio"/> N <input type="radio"/></b>	<b>% Cloud Cover:</b>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>

**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

General Monitoring Section		
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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	<i>outside season</i>
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 (tranches/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) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
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	
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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no road kill</i>
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no spills</i>
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>too early</i>

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

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

*Ray Romero*

Monitor: Ray Brown

Date: 2/7/11

coachwhip snake

under fence to access rd

access rd

Incidental Species Observed

Species	Activity (of species)	Location
western whiptail lizard	running	shared services
desert horned lizard	hissing	CR site - cobble terrace
side blotted lizard	running	shared services
horned lark	flapping	U U
sn mammal	burrows	U U

Environmentally Sensitive Area (ESA) Monitoring Section

ESA Number(s)

Condition	Compliance?	Comments
A) Are exclusionary fencing and erosion control measures intact, with no sign of trespass? Describe	Yes No N/A	
B) Any sensitive species observed inside fencing? Describe	Yes No N/A	
C) Any sensitive species observed immediately outside fencing? Describe	Yes No N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	Yes No N/A	
E) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	Yes No N/A	
F) Is all stockpiling kept away from ESA, posing no threat for siltation/debris entering into ESA? Describe	Yes No N/A	

Notes/Comments Section

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>
730	8	5	met with a Valero. escort to CR site - cobble terrace. Presurvey areas prior to land excavation work. No bio resources concerns.	1
1000	8	5	Depart site - cobble terrace, mobilize to DT fencing operation & shared services. Inspect trench to be filled prior to backfill. Pre-survey fence ROW (200ft) in prep for clear/grub. Monitor clear/grub. Coord to schedule staff to perform Bio Survey of main plant rel.	
1330	3	6	Survey add'l ROW to be into E/W connector rel. Monitor clear/grub. Monitor backfill of trench.	
1500	3	6	DT fence backfill & clear/grub complete.	

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:

Ray Brown

**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>	2/8/11
<b>Starting Location and Activity:</b>	Shore Services	<b>Site Code:</b>	Blythe
<b>Weather:</b>	Clear, windy, cool	<b>Start</b>	7:00 AM
		<b>Midday</b>	12:00
		<b>End</b>	3:00 PM
<b>Rainfall?</b>	<b>Temp:</b>	48	61
			63
<b>Y (N)</b>	<b>% Cloud Cover:</b>	0	0

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

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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

General Monitoring Section		
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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	outside season
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) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
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	
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 checked="" type="checkbox"/> No <input 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 checked="" type="checkbox"/> No <input 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	
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	not present
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.)	<input checked="" type="checkbox"/> Yes <input 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  
 SM Phase 1A BM Form with Photo Log of the final 011111

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	Activity (of species)	Location
Woodrats	Flurried	Shared services
Side-blotched lizards	Remaining	" "
Small mammal	Burrows	" "
ants	Mounds	" "

Notes/Comments Section					
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>	
655	8	5	mtg - safety, play of day, stretch/flag. talked about snakes (coochu) and staying in ROW.	1	
750	1	6	Inspected worksite. Crew started trenching for DT fence.	}	
1000	1	6	Inspect open trench prior to starting backfill at 1st 100'		
1305	1	6	Presurvey add'l area up to E/W connector gate in prep for clear/grub. Monitor clear/grub activities w/ grader. Water truck spraying ROW to keep dust down. Completed fencing up to NE corner of shared services. Plan to start fencing along E boundary of shared services tomorrow.		
1500	1	6	Backfill complete. Stage equip. Depart site.		
1600	8	5	Attend 3-wk look ahead mtg.		

- |                                   |                    |                                   |          |   |
|-----------------------------------|--------------------|-----------------------------------|----------|---|
| <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: [Handwritten Signature] 2/8/11

Biological Monitor:	Ray Brown	Date:	2/8/11		
Starting Location and Activity:	shaded spruce	Site Code:	Blythe		
Weather:	clear, windy, cool	Start	7:00 AM	Midday	12:00
Rainfall?	Temp:		48	61	63
Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	% Cloud Cover:		0	0	0

**Environmentally Sensitive Area (ESA) Monitoring Section**

ESA Number(s)					
	<b>Condition</b>	<b>Compliance?</b>	<b>Comments</b>		
A)	Are exclusionary fencing and erosion control measures intact, with no sign of trespass? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
B)	Any sensitive species observed inside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
C)	Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
D)	Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
E)	If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
F)	Is all stockpiling kept away from ESA, posing no threat for siltation/debris entering into ESA? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			

**Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO occupied burrow, Pinned DT)**

Species, Location, and ID:					
	<b>Condition</b>	<b>Compliance?</b>	<b>Comments</b>		
A)	Are exclusionary fencing and erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
B)	Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
C)	Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
D)	Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
E)	Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
F)	Is all stockpiling kept away from buffer, posing no threat for siltation/debris entering into buffer? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			

**Raven Monitoring:** Weekly reconnaissance focusing on potential subsidies (waste disposal areas, erected structures and staged equipment, water)

Raven Monitoring Data					
Number of Ravens Observed	Time	Location	Activity (flying; ground; perching and type of perch).	Nest Sites (Location; occupied; unoccupied)	If Unoccupied, was it removed?
1	7:40	stage area	flying	none	

Signature: Ray Brown

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

**Solar Millennium BSPP Phase 1A Construction**

USFWS Biological Opinion FWS-ER1V-09B0186-10F0880

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

<b>Biological Monitor:</b>	Ray Romero	<b>Date:</b>	2/9/11
<b>Starting Location and Activity:</b>	Smith Services	<b>Site Code:</b>	Blythe
<b>Weather:</b>	Clear, sunny, cool, windy	<b>Start</b>	7:00 AM
		<b>Midday</b>	12:00
		<b>End</b>	3:00 PM
<b>Rainfall?</b>	<b>Temp:</b>	47	58
<b>Y <u>N</u></b>	<b>% Cloud Cover:</b>	0	0

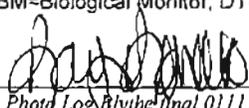
**ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE**

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

General Monitoring Section		
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	outside season
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	
I) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
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	
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 checked="" type="checkbox"/> No <input 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 checked="" type="checkbox"/> No <input 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	
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	silt fence installed along
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	random
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	too early in season
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.)	<input checked="" type="checkbox"/> Yes <input 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:



SM Phase 1A BM Form with Photo Log Blythe Final 011111

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	Activity (of species)	Location
hormed larks	feeding	shared services
sp. dotcom in zards	running	cl cl
sm. mammal	burrows	cl cl

Notes/Comments Section				
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>
0650	3	5	Krewit mtg - safety, plan of day, stretch/flex Depart for site afterwards.	
745	1	6	Survey area prior to trenching for DT fence.	
1130	1	6	Inspect trench prior to backfill. Monitor DT fence/silt fence installation along E. boundary of shared services. Installed 200' today. Water tank spraying area to minimize dust emissions. Grader leveling ROW.	
1500	1	6	Backfill complete. Layout fence string line for tomorrow. Plan to tie into E/W connector rd. tomorrow. Depart site	

- |                                   |                    |                                   |          |   |
|-----------------------------------|--------------------|-----------------------------------|----------|---|
| <b>Activity (ACT)<sup>1</sup></b> |                    | <b>Location (LOC)<sup>2</sup></b> |          | <b>Compliance Levels (CL)<sup>3</sup></b> |
| 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: [Signature] 2/9/11

Biological Monitor:	<i>Raymond</i>	Date:	<i>2/9/11</i>		
Starting Location and Activity:	<i>Shared services</i>	Site Code:	<i>Blythe</i>		
Weather:	<i>clear, sunny, cool, windy</i>	Start : AM	Midday :	End : PM	
Rainfall?	Temp:	<i>47</i>	<i>58</i>	<i>64</i>	
Y (N)	% Cloud Cover:	<i>0</i>	<i>0</i>	<i>0</i>	

**Environmentally Sensitive Area (ESA) Monitoring Section**

ESA Number(s)		
<b>Condition</b>	<b>Compliance?</b>	<b>Comments</b>
A) Are exclusionary fencing and erosion control measures intact, with no sign of trespass? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Any sensitive species observed inside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Is all stockpiling kept away from ESA, posing no threat for siltation/debris entering into ESA? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

**Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO occupied burrow, Pinned DT)**

Species, Location, and ID:		
<b>Condition</b>	<b>Compliance?</b>	<b>Comments</b>
A) Are exclusionary fencing and erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Is all stockpiling kept away from buffer, posing no threat for siltation/debris entering into buffer? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

**Raven Monitoring:** Weekly reconnaissance focusing on potential subsidies (waste disposal areas, erected structures and staged equipment, water)

Raven Monitoring Data					
Number of Ravens Observed	Time	Location	Activity (flying; ground; perching and type of perch).	Nest Sites (Location; occupied; unoccupied)	If Unoccupied, was it removed?
<i>0</i>					

Signature: *Raymond*

**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>Ray Romero</i>	Date:	<i>2/10/11</i>	
Starting Location and Activity:	<i>shared services</i>	Site Code:	<i>Blythe</i>	
Weather:	<i>clear sunny windy, cool</i>	Start	Midday	End
		<i>7:00 AM</i>	<i>12:00</i>	<i>3:00 PM</i>
Rainfall?	Temp:	<i>46</i>	<i>62</i>	<i>65</i>
<i>Y (N)</i>	% Cloud Cover:	<i>0</i>	<i>0</i>	<i>0</i>

**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

General Monitoring Section		
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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	<i>outside season</i>
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/borers) 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) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
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	
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>no roadkill</i>
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no spills</i>
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>not present</i>
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	<input checked="" type="checkbox"/> Yes <input 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*  
 SM Phase 1A BM Form with Photo Log Blythe final 011111

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	Activity (of species)	Location
Wooded larks	Flung	Shared services
Side watched 1 zebra	running	" "
Sm. mammal	burrows	" "

Notes/Comments Section				
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>
0700	8	5	Wtg - safety plan, started work	
0800	8	5	Met up with client, CEC & WIM @ Kiewit office. Coord w/ bid staff on surveys.	
1030	1	6	Check on crew installing enclosure. Coord w/ group @ stage area. Escorted Bio staff to site & set up for surveys along main plant Rd.	
1130	1	6	Monitoring enclosure crew.	
1400	1	3	Install gate, at south end of enclosed main plant Rd in prep for clear/grub & fence installation tomorrow morning. Check w/ Bio crew throughout day. Survey will be complete for portion of enclosure tomorrow.	
1500	1	3	Work complete. Depart site.	

- |                                   |                    |                                   |          |   |
|-----------------------------------|--------------------|-----------------------------------|----------|---|
| <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: [Handwritten Signature] 11/11

Biological Monitor:	<i>Ray Adams</i>	Date:	<i>2/10/11</i>		
Starting Location and Activity:	<i>Saved services</i>	Site Code:	<i>Blythe</i>		
Weather:	<i>cloud sunny windy cool</i>	Start	Midday	End	
		<i>7:00 AM</i>	<i>12:00</i>	<i>3:00 PM</i>	
Rainfall?	Temp:	<i>46</i>	<i>62</i>	<i>65</i>	
<i>Y</i>	% Cloud Cover:	<i>0</i>	<i>0</i>	<i>0</i>	

**Environmentally Sensitive Area (ESA) Monitoring Section**

ESA Number(s)			
<b>Condition</b>	<b>Compliance?</b>	<b>Comments</b>	
A) Are exclusionary fencing and erosion control measures intact, with no sign of trespass? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
B) Any sensitive species observed inside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
E) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
F) Is all stockpiling kept away from ESA, posing no threat for siltation/debris entering into ESA? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		

**Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO occupied burrow, Pinned DT)**

Species, Location, and ID:		
<b>Condition</b>	<b>Compliance?</b>	<b>Comments</b>
A) Are exclusionary fencing and erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Is all stockpiling kept away from buffer, posing no threat for siltation/debris entering into buffer? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

**Raven Monitoring:** Weekly reconnaissance focusing on potential subsidies (waste disposal areas, erected structures and staged equipment, water)

**Raven Monitoring Data**

Number of Ravens Observed	Time	Location	Activity (flying; ground; perching and type of perch).	Nest Sites (Location; occupied; unoccupied)	If Unoccupied, was it removed?
<i>0</i>					

Signature: *Ray Adams*

**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>Ray Romero</i>	Date:	2/10/11	
Starting Location and Activity:	shared services	Site Code:	Blythe	
Weather:	clear sunny with cool	Start	Midday	End
		7:00 AM	12:00	3:00 PM
Rainfall?	Temp:	46	62	65
Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	% Cloud Cover:	0	0	0

**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

General Monitoring Section		
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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	outside season
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/borers) 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) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
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	
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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 checked="" type="checkbox"/> No <input 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	
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	not present
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	<input checked="" type="checkbox"/> Yes <input 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*  
 SM Phase 1A BM Form with Photo Log Blythe final 011111

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	Activity (of species)	Location
Wooded larks	Flung	Shared services
Side watched 1 zebra	running	" "
Sm. mammal	burrows	" "

Notes/Comments Section				
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>
0700	8	5	mtg - safety plan, started / flx	
0800	8	5	Met up with client, CEC & WIM @ Kiewit office. Coord w/ bid staff on surveys.	
1030	1	6	Check on crew installing enclosure, coord w/ group @ stage area. Escorted Bio staff to site & set up for surveys along main plant rd.	
1130	1	6	Monitoring enclosure crew.	
1400	1	3	Install gate, at south end of enclosed main plant Rd in prep for clear/grub & fence installation tomorrow morning. Check w/ Bio crew throughout day. Survey will be complete for portion of enclosure tomorrow.	
1500	1	3	Work complete. Depart site.	

- |                                   |                    |                                   |          |   |
|-----------------------------------|--------------------|-----------------------------------|----------|---|
| <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: [Handwritten Signature] 11/11

Biological Monitor:	<i>Ray Adams</i>	Date:	<i>2/10/11</i>		
Starting Location and Activity:	<i>Saved services</i>	Site Code:	<i>Blythe</i>		
Weather:	<i>cloud sunny windy cool</i>	Start	Midday	End	
		<i>7:00 AM</i>	<i>12:00</i>	<i>3:00 PM</i>	
Rainfall?	Temp:	<i>46</i>	<i>62</i>	<i>65</i>	
<i>Y</i>	% Cloud Cover:	<i>0</i>	<i>0</i>	<i>0</i>	

**Environmentally Sensitive Area (ESA) Monitoring Section**

ESA Number(s)			
	<b>Condition</b>	<b>Compliance?</b>	<b>Comments</b>
	A) Are exclusionary fencing and erosion control measures intact, with no sign of trespass? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
	B) Any sensitive species observed inside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
	C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
	D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
	E) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
	F) Is all stockpiling kept away from ESA, posing no threat for siltation/debris entering into ESA? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

**Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO occupied burrow, Pinned DT)**

Species, Location, and ID:			
	<b>Condition</b>	<b>Compliance?</b>	<b>Comments</b>
	A) Are exclusionary fencing and erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
	B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
	C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
	D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
	E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
	F) Is all stockpiling kept away from buffer, posing no threat for siltation/debris entering into buffer? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

**Raven Monitoring:** Weekly reconnaissance focusing on potential subsidies (waste disposal areas, erected structures and staged equipment, water)

**Raven Monitoring Data**

Number of Ravens Observed	Time	Location	Activity (flying; ground; perching and type of perch).	Nest Sites (Location; occupied; unoccupied)	If Unoccupied, was it removed?
<i>0</i>					

Signature: *Ray Adams*

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**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>	2/11/11
<b>Starting Location and Activity:</b>	Whin Plant Rd	<b>Site Code:</b>	Blythe
<b>Weather:</b>	Clear sunny slight wind, cool	<b>Start</b>	<b>Midday</b>
		7:00 AM	12:00
<b>Rainfall?</b>	<b>Temp:</b>		<b>End</b>
Y(N)		48	3:00 PM
	<b>% Cloud Cover:</b>	0	

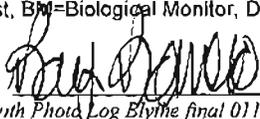
**ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE**

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

General Monitoring Section		
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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	outside season
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) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
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	
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 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 checked="" type="checkbox"/> No <input 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	
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	not present
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in B/O 9.d.).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

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Signature:



SM Phase 1A BM Form with Photo Log Blythe final 011111

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	Activity (of species)	Location
Side water lizard	running	Main plant rd
Banking bee fly	walking	" "
Canid (possibly coyote)	tracks	Main plant rd

Notes/Comments Section				
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>
650	8	5	Safety plan stretch/flex	
750	3	3	Prescribed DT fence ROW along W boundary of Main Plant Rd. Surveyed & clear/grub 800'.	
900	1	3	Inspect inactive bird nest within Palo Verde tree along <del>W</del> E boundary of Main Plant Rd ROW. Nothing in nest & no bird activity at this location.	
1000	1	3	Started trenching for DT fence installation.	
1100	9	3	Support Bio staff performing pre-activity transect surveys along Main Plant Rd. See data forms. Completed 6,000 linear ft.	
1700	9	3	Completed bio survey of Main Plant Rd - 6,000 ft.	

- |                                   |  |                                   |                             |   |
|-----------------------------------|--|-----------------------------------|-----------------------------|---|
| <b>Activity (ACT)<sup>1</sup></b> |  | <b>Location (LOC)<sup>2</sup></b> |                             | <b>Compliance Levels (CL)<sup>3</sup></b> |
| 1. DT Fencing                     | 5. Excavation                          | 1. DT Fence                       | 5. Other <u>Area Office</u> | 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) <u>9 Bio Survey</u> | 4. Drainage Crossings             |                             | 4. Non-compliance Resolution              |

Signature: [Handwritten Signature] 2/11/11

**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>	2/14/11
<b>Starting Location and Activity:</b>	Main Plant Rd.	<b>Site Code:</b>	Blythe
<b>Weather:</b>	clear sunny, slight wind, cloud	<b>Start</b>	7:00 AM
		<b>Midday</b>	12:00
		<b>End</b>	3:00 PM
<b>Rainfall?</b>	<b>Temp:</b>	46	78
Y <input checked="" type="checkbox"/> N	<b>% Cloud Cover:</b>	3	20

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

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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

General Monitoring Section		
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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	outside season. starts tomorrow
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	
I) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
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	
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 checked="" type="checkbox"/> No <input 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 checked="" type="checkbox"/> No <input 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	
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	not present, too early
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.)	<input checked="" type="checkbox"/> Yes <input 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:**   
 SM Phase 1A BM Form with Photo Log Blythe final 011111

Incidental Species Observed		
Species	Activity (of species)	Location
Western Lark	flinging	E. access rd.
desert spiny tailed lizard	resting	main plant rd.
side blotched lizard	running	" " "
sm mammal	trucks	" " "
canid dog	tracks	main plant rd.
zebra tailed lizard	running	" " "
kottex	scat	" " "
coyote	scat	" " "

Notes/Comments Section				
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>
650	8	5	mtg safety plan, stretch/flex.	1
800	5	3	Pre survey w/ fence ROW that was clear/grubbed before trenching. Afterwards, DT clearance survey (preactivity) of additional 800' in prep for clear/grub by grader later in day. Using backhoe to trench.	}
1000			Conference call - coordination.	
1145	1	3	Coordinate w/ Damian (REM monitor) on windustakes. In spot trench prior to back fill	
1330	1	3	Coordinate w/ Amanda & Morgan. GPS clear/grub & dirt road crossing ROW for Matt T. identical for CR monitor at this site.	
1500	1	3	Backfill complete. Depart site.	

- |                                   |                               |                                   |          |   |
|-----------------------------------|-------------------------------|-----------------------------------|----------|---|
| <b>Activity (ACT)<sup>1</sup></b> |                               | <b>Location (LOC)<sup>2</sup></b> |          | <b>Compliance Levels (CL)<sup>3</sup></b> |
| 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) <i>mtg</i> | 4. Drainage Crossings             |          | 4. Non-compliance Resolution              |

Signature: *Raymond* *2/11/11* *Kiewit Off*

**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>	<i>Ray Romero</i>	<b>Date:</b>	<i>2/15/11</i>	
<b>Starting Location and Activity:</b>	<i>Sunny, warm, slight wind</i>	<b>Site Code:</b>	<i>Blythe</i>	
<b>Weather:</b>	<i>Wash plant rd</i>	<b>Start</b>	<i>7:00</i> AM	<b>Midday</b>
				<i>12:00</i>
				<b>End</b>
				<i>3:00</i> PM
<b>Rainfall?</b>	<b>Temp:</b>	<i>49</i>	<i>75</i>	<i>79</i>
<i>Y <input checked="" type="checkbox"/> N <input type="checkbox"/></i>	<b>% Cloud Cover:</b>	<i>25</i>	<i>15</i>	<i>10</i>

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

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 In emergencies, dial 911

General Monitoring Section		
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
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	
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>dead K-rat</i>
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no spills</i>
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>too early</i>
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.)	<input checked="" type="checkbox"/> Yes <input 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*  
 SM Phase 1A BM Form with Photo Log Blythe final 011111

**Incidental Species:** Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	Activity (of species)	Location
SPO-blotched lizard(s)	running	main plant rd.
coyote	scat, droppings	" " "
KA-fox	scat	" " "
Small mammal	burrows	" " "
northern harrier (♀)	hunting	E access rd.
horned lark(s)	chirping	" " "
western whistling	running	main plant rd.
desert horned lizard	hunking (relocated)	" " "
monarchs E-vat	dead - spill pile	" " "

Notes/Comments Section				
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>
650	8	5	Kiewit mtg - safety, plan, stretch/flox.	
805	5	3	Presurvey area before excavation of trench for DT fence. Afterwards, presurvey E. ROW in prep for clear/grub later in day. No sensitive species observed. Bird nest in Palo Verde tree is inactive & will be removed during clear/grub today. Coord w/ Rocky earlier today to monitor special status species burrows & nests within main plant Rd ROW.	
1100	1	3	Inspect trench prior to backfill. Monitor fence installation. Coord on CR support at site. Need for CR & NA monitors starting tomorrow.	
215	1	3	Coord w/ Morgan & Amanda @ site regarding staffing & work activities.	
1500	1	3	Work complete. Depart site.	

- |                                   |                               |                                   |                               |   |
|-----------------------------------|-------------------------------|-----------------------------------|-------------------------------|---|
| <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 <u>Kiewit @ site</u> | 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) <u>mtg</u> | 4. Drainage Crossings             |                               | 4. Non-compliance Resolution              |

Signature: Raymond 2/15/11

**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>Ray Romero</i>	Date:	<i>2/16/11</i>	
Starting Location and Activity:	<i>Main Plant Rd.</i>	Site Code:	<i>Blythe</i>	
Weather:	<i>cloudy, windy, cool</i>	Start	Midday	End
		<i>7:00 AM</i>	<i>12:00</i>	<i>3:00 PM</i>
Rainfall?	Temp:	<i>49</i>	<i>73</i>	<i>75</i>
<i>Y (N)</i>	% Cloud Cover:	<i>40</i>	<i>90</i>	<i>90</i>

**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

General Monitoring Section		
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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 [ramped/covered/capped @ end of day]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
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	
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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no roadkill</i>
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no spills</i>
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>not present</i>
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection firming details in BIO 9.d.).	<input checked="" type="checkbox"/> Yes <input 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*  
 SM Phase 1A BM Form with Photo Log Blythe final 011111

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	Activity (of species)	Location
Side Watched lizard	Running	Main Plant Rd.
Western S K-rat	Unearthed from burrow - alive	" "
Coyle	Scat	" "
Small mammal	Burrows	" "
Darkling beetle	Walking	" "
Side window snake	Coiled - grader	" "

Notes/Comments Section					
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>	
650	8	5	Mtg - safety plan, stretch/flex. Introduce CR & NA monitors. Escort them to site. Live out Rocky on bio tasks.	1	
810	5	3	Presurvey done in prep for trenching for DT fence along E boundary of Main Plant Rd.	}	
1030	3	3	Presurvey add'l 800' in prep for clear/grub. Monitor clear/grub. K-rat unearthed. Animal is alive and ran out of ROW.		
1130	5	3	Inspected trench prior to backfill. Coord. w/ Kewit on future work.		
1330	4	3	Relocate sidewinder from edge of grader to location off of ROW. Showed workers & spoke about biology of snake & precautions.		
1500	1	3	Backfill complete. Grader finished leveling area. Departed site.		

- |                                   |                               |                                   |          |                              |   |  |  |
|-----------------------------------|-------------------------------|-----------------------------------|----------|------------------------------|---|--|--|
| <u>Activity (ACT)<sup>1</sup></u> |                               | <u>Location (LOC)<sup>2</sup></u> |          | Kewit Office                 | <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) <i>mtg</i> | 4. Drainage Crossings             |          | 4. Non-compliance Resolution |   |  |  |

Signature: Ray Daniels

**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>	<i>Ray Romero</i>	<b>Date:</b>	<i>2/17/11</i>	
<b>Starting Location and Activity:</b>	<i>Main Plant Rd</i>	<b>Site Code:</b>	<i>Blythe</i>	
<b>Weather:</b>	<i>Clear, sunny, slight wind, warm</i>	<b>Start</b>	<b>Midday</b>	<b>End</b>
		<i>7:00 AM</i>	<i>12:00</i>	<i>3:00 PM</i>
<b>Rainfall?</b>	<b>Temp:</b>	<i>47</i>	<i>65</i>	<i>68</i>
<b>Y (N)</b>	<b>% Cloud Cover:</b>	<i>0</i>	<i>0</i>	<i>0</i>

**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

General Monitoring Section		
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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/borers) 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) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
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	
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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no roadkill</i>
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no spills</i>
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>too early</i>
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.)	<input checked="" type="checkbox"/> Yes <input 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*  
 SM Phase 1A BM Form with Photo Log Blythe final 011111

**Incidental Species:** Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	Activity (of species)	Location
Longhead snake	flung	E access rd
Crow's blackbird	flung	" "
Horned lark	flung	" "
Side blotched lizards	digging	Main plant rd.
Kitt fox	scat	" "
Coyle	scat	" "
sm mammal	burrows, tail drag	" "

**Notes/Comments Section**

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>
650	7	5	mtg - safety plan, stretch/flex. CEC coming out to site today, CR & NA monitors @ mtg. SWCA Paleo will be out later today. Coord w/ bent on CAD files for Phase 1A schedule. Need to produce slope files for bio survey. Coord w/ Rocky on monitoring of burrows (nests).	1
815	5	3	Presurvey area prior to excavation for DT fence. Presurvey add'l 200' for clear grub afterwards.	}
1100	1	3	Inspect fence & trench prior to backfilling. 200' DT fence installed today. CR & NA monitors looking over cam dump site. Met w/ several CEC reps including Arch & Bob earlier. Short visit. They stopped by after looking @ Genesis site.	
1500	1	3	Backfill complete, depart site.	

**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) *mtg*

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

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

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

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

Signature: *[Signature]*

*2/17/11*

**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>	<i>Ray Romero</i>	<b>Date:</b>	<i>2/18/11</i>	
<b>Starting Location and Activity:</b>	<i>stage area</i>	<b>Site Code:</b>	<i>Blythe</i>	
<b>Weather:</b>		<b>Start</b>	<b>Midday</b>	<b>End</b>
		<i>7:00 AM</i>	<i>12:00</i>	<i>15:00 PM</i>
<b>Rainfall?</b>	<b>Temp:</b>	<i>49</i>	<i>68</i>	<i>71</i>
<b>Y (N)</b>	<b>% Cloud Cover:</b>	<i>100</i>	<i>90</i>	<i>90</i>

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

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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

General Monitoring Section		
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
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	
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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no road kill</i>
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no spills</i>
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>too early to ID</i>
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.)	<input checked="" type="checkbox"/> Yes <input 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*  
 SM Phase 1A BM Form with Photo Log (Blythe final 01111)

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	Activity (of species)	Location
darkling beetle side notched lizard	walking running	stage area

Notes/Comments Section				
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>
0700	8	5	mtg - safety plan, stoch/fox. Plan to chip veg from clear grub. Spread in yard and along rocks. Also, plan to install cattle guard at entrance to stage area. Kirby will finish monitoring burrows/nests this morning and both of us will ID routes to translocation site. will ID quarantine site also. Working w/ Brent on phase 1A survey area for next wk.	1
900	5	2	Excavation & setting of cattle guard @ entrance to stage area.	
1230	5	2	Concrete supports in place. Plant set grating after lunch. Brent & I coordinated on crew to agreement on layout including fencing around cattle guard. Depart area to ID translocation site access. Informal Brent. They have my cell #.	
1530			Completed ID of trans site access routes	

- |                                   |                               |                                   |          |   |
|-----------------------------------|-------------------------------|-----------------------------------|----------|---|
| <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) <i>mtg</i> | 4. Drainage Crossings             |          | 4. Non-compliance Resolution              |

Signature: Ray Ramos 2/18/11

**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>	<i>Ray Romero</i>	<b>Date:</b>	<i>2/22/11</i>	
<b>Starting Location and Activity:</b>	<i>North Plant Rd</i>	<b>Site Code:</b>	<i>Blythe</i>	
<b>Weather:</b>	<i>Clear sunny with a wind</i>	<b>Start</b>	<b>Midday</b>	<b>End</b>
		<i>7:00 AM</i>	<i>12:00</i>	<i>3:00 PM</i>
<b>Rainfall?</b>	<b>Temp:</b>	<i>46</i>	<i>62</i>	<i>64</i>
<b>Y (N)</b>	<b>% Cloud Cover:</b>	<i>0</i>	<i>3</i>	<i>3</i>

**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

**General Monitoring Section**

<b>Condition</b>	<b>Compliance?</b>	<b>Comments</b>
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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 [ramped/covered/capped @ end of day]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
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	
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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no road kill</i>
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no spills</i>
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>too early</i>
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	<input checked="" type="checkbox"/> Yes <input 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*  
 SM Phase 1A BM Form with Photo Log Blythe Final 011111

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	Activity (of species)	Location
Normal lizards Side blotched lizards	rumbling - retracted	Main Plant Rd
Normal lizards	"	" "
Small mammal burrows	digging	E access rd Main Plant Rd.

Notes/Comments Section				
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>
650	8	5	mtg - safety, plan, stretch flox, coord w/ Kelly/Mike on bio survey of Phase 1A. Coord w/ Paul on Gordon Eagle Survey.	1
755	1	2	Inspect cattle guard and photo document.	}
830	5	3	Presurvey work area. Start of excavation for fence.	
1000	3	3	Presurvey additional ROW in prep for clear/grub. Monitor clear/grub activity.	
1300	1	3	Inspect fence & trench prior to backfill.	
1430	1	3	Backfill complete.	
1500	1	3	Back @ stage area. Depart site.	

- |                                   |                               |                                   |                          |   |
|-----------------------------------|-------------------------------|-----------------------------------|--------------------------|---|
| <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 <u>Went off</u> | 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) <u>mtg</u> | 4. Drainage Crossings             |                          | 4. Non-compliance Resolution              |

Signature: Raymond 2/22/11

**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>	<i>Ray Romero</i>	<b>Date:</b>	<i>2/23/11</i>	
<b>Starting Location and Activity:</b>	<i>Main Plant Rd</i>	<b>Site Code:</b>	<i>Blythe</i>	
<b>Weather:</b>	<i>clear sunny, now</i>	<b>Start</b>	<i>7:00AM</i>	<b>Midday</b>
				<i>12:00</i>
				<b>End</b>
				<i>3:00PM</i>
<b>Rainfall?</b>	<b>Temp:</b>	<i>48</i>	<i>63</i>	<i>65</i>
<b>Y (N)</b>	<b>% Cloud Cover:</b>	<i>10</i>	<i>15</i>	<i>15</i>

**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

General Monitoring Section		
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
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	
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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no road kill</i>
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no spills</i>
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>too early</i>
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	<input checked="" type="checkbox"/> Yes <input 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*

SM Phase 1A BM Form with Photo Log Blythe final 01/11/11

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	Activity (of species)	Location
Large lizards	Running	E access rd.
Small spotted lizards	Running	Main Plant Rd
hair wester pants	collecting material	" "
SM mammal	burrows	" "
desert kit fox	Scat	" "
Horned lizard	running - relocated	" "

Notes/Comments Section				
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>
810	5	3	Presurvey work area. Excavation of trench	1
	3	3	for DT fence. Presurvey about 1 200'	}
			in prep for clear/grub. 4 trees will need	
			to be removed in wash. No sensitive species	
			observed. Monitored clear/grub w/ backhoe	
1045	3	3	Clear/grub of 1/4 veg w/ backhoe complete.	
			Bring in quadder from stage area to	
			level area in prep for DT fence.	
1230	1	3	backfill trench. Inspected prior to backfill.	}
			Plan to make to W side of fence ROW	
			on Friday. Water truck used to water	
			rows & trenching backfill to keep dust down.	
			Survey crew continuing to layout kaha stakes	
			along from 1A solar field. Plan to move to	
			this area on March 7.	
1500	1	3	backfill complete. Depart site	

- |                                   |                    |                                   |                |   |
|-----------------------------------|--------------------|-----------------------------------|----------------|---|
| <b>Activity (ACT)<sup>1</sup></b> |                    | <b>Location (LOC)<sup>2</sup></b> |                | <b>Compliance Levels (CL)<sup>3</sup></b> |
| 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: Raymond 2/23/11

Biological Monitor:	Ray Romano	Date:	2/23/11		
Starting Location and Activity:	Main Plant Rd	Site Code:	Blythe		
Weather:	Clear, sunny, no wind	Start	Midday	End	
		7: 00AM	12: 00	3: 00 PM	
Rainfall?	Temp:	48	63	65	
Y (N)	% Cloud Cover:	10	15	15	

**Environmentally Sensitive Area (ESA) Monitoring Section**

ESA Number(s)					
	<b>Condition</b>	<b>Compliance?</b>	<b>Comments</b>		
	A) Are exclusionary fencing and erosion control measures intact, with no sign of trespass? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
	B) Any sensitive species observed inside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
	C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
	D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
	E) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
	F) Is all stockpiling kept away from ESA, posing no threat for siltation/debris entering into ESA? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			

**Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO occupied burrow, Pinned DT)**

Species, Location, and ID:			
	<b>Condition</b>	<b>Compliance?</b>	<b>Comments</b>
	A) Are exclusionary fencing and erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
	B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
	C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
	D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
	E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
	F) Is all stockpiling kept away from buffer, posing no threat for siltation/debris entering into buffer? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

**Raven Monitoring:** Weekly reconnaissance focusing on potential subsidies (waste disposal areas, erected structures and staged equipment, water)

Raven Monitoring Data					
Number of Ravens Observed	Time	Location	Activity (flying; ground; perching and type of perch).	Nest Sites (Location; occupied; unoccupied)	If Unoccupied, was it removed?
2	weekly check 2pm	Main Rd	clinging perched on iron wood	checked various areas including stage area, E/W connector, Main Plant Rd. No evidence of Ravens.	

Signature: Ray Romano

**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>	2/25/11	
<b>Starting Location and Activity:</b>	Main Plant Rd	<b>Site Code:</b>	Blythe	
<b>Weather:</b>	partial clouds cold, slight wind	<b>Start</b>	<b>Midday</b>	<b>End</b>
		7:00AM	12:00	3:00PM
<b>Rainfall?</b>	<b>Temp:</b>	46	60	63
Y <input checked="" type="checkbox"/>	<b>% Cloud Cover:</b>	20	20	30

**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

General Monitoring Section		
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
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	
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	shovel used dead juvenile <del>snake</del> snake PR
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input 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	
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	too early
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.).	<input checked="" type="checkbox"/> Yes <input 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:** 



**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>	11/28/11
<b>Starting Location and Activity:</b>	Water Plant Rd.	<b>Site Code:</b>	Blythe
<b>Weather:</b>	Clear, sunny, no wind, cool	<b>Start</b>	7:00 AM
		<b>Midday</b>	12:00
		<b>End</b>	3:00 PM
<b>Rainfall?</b>	<b>Temp:</b>	46	63
<b>Y (N)</b>	<b>% Cloud Cover:</b>	0	15

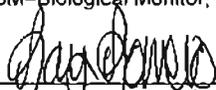
**ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE**

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

General Monitoring Section		
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Night lighting avoids wildlife habitat	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 65 dBA between Feb 15 - Apr 15 (see COC for exceptions)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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) Construction outside of DT exclusion fence with AB/BM present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
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	
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2 desert iguanas 3 injured <del>lizards</del> <del>snakes</del> RR
M) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input 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	
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) Cacti salvaged	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	too early to tell
T) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO 9.d.)	<input checked="" type="checkbox"/> Yes <input 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:



SM Phase 1A BM Form with Photo Log Blythe final 011111

Incidental Species: Daily notation of species other than KF, AB, WBO, or DT

Incidental Species Observed		
Species	Activity (of species)	Location
Small mammal burrows	burrows	Main plant rd.
ants - Carpenter	mounds, collection	CC CC
Small spotted lizards	remains	CC CC
desert iguanas (2)	dead	CC CC
snake	injured	CC CC

Notes/Comments Section

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>
650	8	5	Utility plan, safety stretch / flag. Plan to install 800' DT fence along W boundary of Main plant Rd. Work in wash.	1
815	5	3	Pressure area. Backfill excavation trench in prep for DT fence install.	
905	3	3	Pressure add'l 1,000' in prep for clean/curb after excavation work complete.	
1030	5	3	Inspect trench prior to backfill.	
1230			Cont call w/ Agencies to discuss comments on Raven/Ward/Tortoise Mit Plans.	
1300	3	3	Monitor clear/grub activities, 2 dead desert iguanas & 1 badly injured King Snake.	
1500	1	3	Work completed for day. Depart site	

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) *mit*

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

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

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

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

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

*[Signature]* 2/28/11



**ATTACHMENT 5**

**PRE-CONSTRUCTION SURVEY DATA FORMS**



BURROWING OWL, AMERICAN BADGER AND DESERT KIT FOX PRE-CONSTRUCTION TRANSECT SURVEY DATA SHEET

Site: By the Location: South of Sand Services Size of Survey Area: 2/20 acres Proposed Activity: WDO, Kit Fox, Badger, Nesting Bird Surveys Page 1 of 1  
 Survey Date: 2/10/11 Construction to begin (estimate): 1 1 8,000 lin.ft.

GPS Unit	Surveyor	GPS Unit	Surveyor
SM 11	Mike Tolant		
SM 3	Diana Gerner		

	Time	Temp (°F)	Wind (mph, or Beaufort)	Precip.	Cloud Cover (%)
Start					
Mid-day	11:30	61	11 mph	0	0
End	5:30	57	2 mph	0	0

Potential Burrows:

Burrow ID (GPS IDENT Code*)	GPS Coordinates for Burrows (NAD 83 Zn 11N)	Burrow complex? (Y/N)	Burrow Width, Height and Depth (in.) (W x H x D)	Individual or Sign Present <sup>2</sup> (list all that apply)	Burrow Status <sup>3</sup> (A, PA, S, NS)			Comments (Note burrow characteristics and sign condition [fresh, etc.]. If present, # of animals, behavior, etc.)	Photo Ref	Burrows in Buffer (distance from footprint in feet)	Focused surveys req'd? (circle species)
					BO	AB	KF				
BMAD6001	708372, 372748	(Y)N	11" x 6" x 24"	scat	S	S?	S	mammal scat; somewhat suitable for AB	001	30'	None BO AB KF
BMAD6002	708010, 3727010	(Y)N	6" x 4" x 18"	old P	S	NS	NS	Pellet; mammal scat	003	350'	None BO AB KF
BMAD6003	708326, 3726660	(Y)N	5" x 5" x 26"	none	S	NS	NS	Well developed complex 15m radius	004	450'	None BO AB KF
BMAMT001	708321, 3726605	(Y)N	4" x 3" x 27"	none	S	NS	NS	nice complex	005	450'	None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF

\*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.

<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> Animal or Sign Present: AB-Badger, KF-Desert Kit Fox, ABT-Badger tracks, KFT-Kit fox tracks, ABS - Badger scat, KFS - Kit fox scat, ABC - Badger claw marks, NONE-no sign detected.

<sup>2</sup> BUOW or Sign Present: BO-Owl, W-Whitewash, P-Pellets, BT- 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 (occupancy is confirmed by visual detection of owl, fox or badger at burrow), PA = Potentially Active (owl, fox or badger occupancy not confirmed, but sign indicates possible use), S = Suitable (No evidence of recent use by owl, fox or badger, but burrow is suitable), NS = Not Suitable (burrow not suitable for owl, fox or badger).

Reviewed by surveyor (Initials, date): MD 2/10/11 Approved by team leader (initials, date): \_\_\_\_\_

BURROWING OWL, AMERICAN BADGER AND DESERT KIT FOX PRE-CONSTRUCTION TRANSECT SURVEY DATA SHEET

Site: Blythe Location: Main Road Size of Survey Area: \_\_\_\_\_ Proposed Activity: WBO, Kit Fox, Badger, Nesting Bird Surveys Page 1 of 2  
 Survey Date: 2/11/11 Construction to begin (estimate): 1/1

GPS Unit	Surveyor	GPS Unit	Surveyor
11	<u>Mike Ireland</u>		
3	<u>Donna Germain</u>		

	Time	Temp (°F)	Wind (mph, or Beaufort)	Precip.	Cloud Cover (%)
Start	<u>6:30</u>	<u>41</u>	<u>1 mph</u>	<u>0</u>	<u>0</u>
Mid-day	<u>11:40</u>	<u>68</u>	<u>7 mph</u>	<u>0</u>	<u>0</u>
End	<u>16:07</u>	<u>71</u>	<u>7.2 mph</u>	<u>0</u>	<u>0</u>

Burrow ID (GPS IDENT Code*)	GPS Coordinates for Burrows (NAD 83 Zn 11N)	Burrow complex? (Y/N)	Burrow Width, Height and Depth (in.) (W x H x D)	Individual or Sign Present <sup>2</sup> (list all that apply)	Burrow Status <sup>3</sup> (A, PA, S, NS)			Comments (Note burrow characteristics and sign condition [fresh, etc.]. If present, # of animals, behavior, etc.)	Photo Ref	Burrows in Buffer (distance from footprint in feet)	Focused surveys req'd? (circle species)
					BO	AB	KF				
<u>BMAD6009</u>	<u>708170 3726193</u>	<u>Y</u>	<u>5" x 5" x 36"</u>	<u>none</u>	<u>S NS NS</u>	<u>Complex radius 20m</u>	<u>023</u>	<u>0'</u>			
<u>BMAM1008</u>	<u>708174 3726217</u>	<u>Y</u>	<u>5" x 4" x 23"</u>	<u>none</u>	<u>S NS NS</u>	<u>small mammal complex</u>	<u>022</u>	<u>0'</u>			
<u>BMAM1002</u>	<u>0708118 13726599</u>	<u>Y N</u>	<u>7" x 8" x 28"</u>	<u>none</u>	<u>S NS S</u>	<u>several small mammal burrows</u>	<u>006/07</u>	<u>50'</u>	<u>None</u> BO AB KF		
<u>BMAD6004</u>	<u>0708074 13726621</u>	<u>Y N</u>	<u>5" x 5" x 18"</u>	<u>scat</u>	<u>S NS NS</u>	<u>weathered scat; same W&amp;H to 18"</u>	<u>008/09</u>	<u>150'</u>	<u>None</u> BO AB KF		
<u>BMAD6005</u>	<u>0708956 13726561</u>	<u>Y N</u>	<u>5" x 7" x 40"</u>	<u>none</u>	<u>S NS S</u>	<u>very deep burrow</u>	<u>010</u>	<u>500'</u>	<u>None</u> BO AB KF		
<u>BMAM1003</u>	<u>0708153 13726561</u>	<u>Y N</u>	<u>6" x 5" x 27"</u>	<u>none</u>	<u>S NS S</u>	<u>numerous lizard tail marks, many burrows</u>	<u>011</u>	<u>0'</u>	<u>None</u> BO AB KF		
<u>BMAM1004</u>	<u>0708235 13726564</u>	<u>Y N</u>	<u>4" x 4" x 48"</u>	<u>none</u>	<u>S NS S</u>	<u>lizard tail; several deep burrows</u>	<u>012/03</u>	<u>60'</u>	<u>None</u> BO AB KF		
<u>BMAM1005</u>	<u>0708252 13726563</u>	<u>Y N</u>	<u>5" x 5" x 48"</u>	<u>scat</u>	<u>S NS S</u>	<u>Complex 10m radius numerous burrows</u>	<u>014</u>	<u>100'</u>	<u>None</u> BO AB KF		
<u>BMAM1006</u>	<u>0708283 13726547</u>	<u>Y N</u>	<u>8" x 6" x 48"</u>	<u>scat</u>	<u>S S S</u>	<u>Complex 15m radius numerous burrows</u>	<u>015</u>	<u>140'</u>	<u>None</u> BO AB KF		
<u>BMAD6006</u>	<u>0708348 13726519</u>	<u>Y N</u>	<u>4" x 4" x 40"</u>	<u>none</u>	<u>S NS NS</u>	<u>Complex burrows smaller, but depth suitable</u>	<u>016</u>	<u>470'</u>	<u>None</u> BO AB KF		
<u>BMAM1007</u>	<u>0708318 3726366</u>	<u>Y N</u>	<u>7" x 6" x 48"</u>	<u>none</u>	<u>S NS S</u>	<u>well excavated single burrow</u>	<u>019</u>	<u>400'</u>	<u>None</u> BO AB KF		
<u>BMAD6007</u>	<u>0708092 13726288</u>	<u>Y N</u>	<u>4" x 4" x 20"</u>	<u>none</u>	<u>S NS NS</u>	<u>single burrow - crescent mound</u>	<u>020</u>	<u>150'</u>	<u>None</u> BO AB KF		
<u>BMAD6008</u>	<u>0708044 13726256</u>	<u>Y N</u>	<u>9" x 4" x 36"</u>	<u>none</u>	<u>S NS NS</u>	<u>small mammal complex</u>	<u>021</u>	<u>200'</u>	<u>None</u> BO AB KF		

\*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., PBBS001). 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> Animal or Sign Present: AB-Badger, KF-Desert Kit Fox, ABT-Badger tracks, KFT-Kit fox tracks, ABS - Badger scat, KFS - Kit fox scat, ABC - Badger claw marks, NONE-no sign detected.  
<sup>3</sup> BUOW or Sign Present: BO-Owl, W-Whitewash, P-Pellets, BT- BUOW Tracks, B- Bones (from degraded pellets), F-Feathers, Pr-prey remains, Ef-Eggshell fragments, St-Sticks, NONE-no sign detected.  
<sup>4</sup> Burrow Status: A = Active (occupancy is confirmed by visual detection of owl, fox or badger at burrow), PA = Potentially Active (owl, fox or badger occupancy not confirmed, but sign indicates possible use), S = Suitable (No evidence of recent use by owl, fox or badger, but burrow is suitable), NS = Not Suitable (burrow not suitable for owl, fox or badger).

BMAD6010 0708513 3726147 Y N 9" x 4" x 22" none S NS S single burrow, front is weathered 024 400'  
 Reviewed by surveyor (initials, date): \_\_\_\_\_ Approved by team leader (initials, date): \_\_\_\_\_

BURROWING OWL, AMERICAN BADGER AND DESERT KIT FOX PRE-CONSTRUCTION TRANSECT SURVEY DATA SHEET

Site: Blythe Location: Main Road Size of Survey Area: \_\_\_\_\_ Proposed Activity: WBO, KFOX, Badger <sup>nest bird</sup> Page 2 of 2  
 Survey Date: 8/11/11 Construction to begin (estimate): 1/1

GPS Unit	Surveyor	GPS Unit	Surveyor
11	Mike Ireland		
3	Tanna Gorman		

	Time	Temp (°F)	Wind (mph, or Beaufort)	Precip.	Cloud Cover (%)
Start	6:30	41	1mph	0	0
Mid-day	11:40	68	7mph	0	0
End	14:07	71	7.2mph	0	0

Potential Burrows:

Burrow ID (GPS IDENT Code*)	GPS Coordinates for Burrows (NAD 83 Zn 11N)	Burrow complex? (Y/N)	Burrow Width, Height and Depth (in.) (W x H x D)	Individual or Sign Present <sup>2</sup> (list all that apply)	Burrow Status <sup>3</sup> (A, PA, S, NS)			Comments (Note burrow characteristics and sign condition [fresh, etc.]. If present, # of animals, behavior, etc.)	Photo Ref	Burrows in Buffer (distance from footprint in feet)	Focused surveys req'd? (circle species)
					BO	AB	KF				
BmADG011	0708239 13726155	Y N	10x9x48"	old scat	S	NS	S	alice large, deep burrow, no fresh sign.	025	0'	None BO AB KF
BmADG012	0708176 13726151	Y N	4x4x22"	tail drag in sand	S	NS	S	no new/old sign, tail drag present.	026	0'	None BO AB KF
BmADG013	0708323 13725847	Y N	8"x10"x36"	scat (not too old) nearby	S	NS	S	rel. recent scat, sign req'd for hoot several suitable burrows in complex	028	0'	None BO AB KF
BmAM1009	708337 13725914	Y N	8"x12"x48"	scat	S	S	S	tall, deep burrow in complex	027	0'	None BO AB KF
/	/	Y N									None BO AB KF
/	/	Y N									None BO AB KF
/	/	Y N									None BO AB KF
/	/	Y N									None BO AB KF
/	/	Y N									None BO AB KF
/	/	Y N									None BO AB KF
/	/	Y N									None BO AB KF

\*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.  
<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>Animal or Sign Present: AB-Badger, KF-Desert Kit Fox, ABT-Badger tracks, KFT-Kit fox tracks, ABS - Badger scat, KFS - Kit fox scat, ABC - Badger claw marks, NONE-no sign detected.  
<sup>3</sup>BUOW or Sign Present: BO-Owl, W-Whitewash, P-Pellets, BT- 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 (occupancy is confirmed by visual detection of owl, fox or badger at burrow), PA = Potentially Active (owl, fox or badger occupancy not confirmed, but sign indicates possible use), S = Suitable (No evidence of recent use by owl, fox or badger, but burrow is suitable), NS = Not Suitable (burrow not suitable for owl, fox or badger).

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

BURROWING OWL, AMERICAN BADGER AND DESERT KIT FOX PRE-CONSTRUCTION TRANSECT SURVEY DATA SHEET

Site: BPP Location: Phase 1A Size of Survey Area: 360 acres Proposed Activity: WBO, AB, DKF Page 1 of 1  
 Survey Date: 2/22/11 Construction to begin (estimate): 1/1 Nesting Bird Surveys

GPS Unit	Surveyor	GPS Unit	Surveyor
16	Rocky Brown		
11	Mike Ireland		

	Time	Temp (°F)	Wind (mph, or Beaufort)	Precip.	Cloud Cover (%)
Start	10:00	64	1.5 mph	0	100%
Mid-day	12:15	68	0.0	0	50%
End	3:30	64	2.0 mph	0	100%

Potential Burrows:

Burrow ID (GPS IDENT Code*)	GPS Coordinates for Burrows (NAD 83 Zn 11N)		Burrow complex? (Y/N)	Burrow Width, Height and Depth (in.) (W x H x D)	Individual or Sign Present <sup>2</sup> (list all that apply)	Burrow Status <sup>3</sup> (A, PA, S, NS)			Comments (Note burrow characteristics and sign condition [fresh, etc.]. If present, # of animals, behavior, etc.)	Photo Ref	Burrows in Buffer (distance from footprint in feet)	Focused surveys req'd? (circle species)
						BO	AB	KF				
BMARB401	708901	13728365	Y N	4"6"36"	none	S	NA	NA	Complex 15m radius	<del>145</del> 260	260	None BO AB KF
	/		Y N									None BO AB KF
	/		Y N									None BO AB KF
	/		Y N									None BO AB KF
	/		Y N									None BO AB KF
	/		Y N									None BO AB KF
	/		Y N									None BO AB KF
	/		Y N									None BO AB KF
	/		Y N									None BO AB KF
	/		Y N									None BO AB KF

\*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., PBBS001). 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> Animal or Sign Present: AB-Badger, KF-Desert Kit Fox, ABT-Badger tracks, KFT-Kit fox tracks, ABS - Badger scat, KFS - Kit fox scat, ABC - Badger claw marks, NONE-no sign detected.  
<sup>3</sup> BUOW or Sign Present: BO-Owl, W-Whitewash, P-Pellets, BT- 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 (occupancy is confirmed by visual detection of owl, fox or badger at burrow), PA = Potentially Active (owl, fox or badger occupancy not confirmed, but sign indicates possible use), S = Suitable (No evidence of recent use by owl, fox or badger, but burrow is suitable), NS = Not Suitable (burrow not suitable for owl, fox or badger).

Reviewed by surveyor (initials, date): MJ/2/22/11 Approved by team leader (initials, date): \_\_\_\_\_

Site: BSPP Location: Phase 1A Survey Date: 2/22/11

Other Species Detected (list sensitive wildlife species and plants detected and incidental species. 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 species detection notes]

Additional Comments/Notes:

13 Silver Cholla  
 1 Fishhook  
 3 Barrel

Coordinates	ID	Species
372 8983	BBCRB001	Barrel
372 9105	BBCRB402	Barrel
372 9301	BBCMI001	Barrel
372 9252	BBCRB403	Barrel
709 385	BBCRB401	Barrel
709 276	BBCRB402	Barrel
709 504	BBCMI001	Barrel
709 491	BBCRB403	Barrel

Fishhook 1  
 Side-blinded Lizard  
 Sparrow (sp.) female  
 Black-tailed Jackrabbit  
 Zebra-tail Lizard  
 Whiptail Lizard

Reviewed by surveyor (initials, date): [Signature] 2/22/11 Approved by team leader (initials, date): \_\_\_\_\_

BURROWING OWL, AMERICAN BADGER AND DESERT KIT FOX PRE-CONSTRUCTION TRANSECT SURVEY DATA SHEET

Site: WABW B5PP Location: Plot A Size of Survey Area: \_\_\_\_\_ Proposed Activity: WBD DKF AB Page 1 of      
 Survey Date: 2/23/11 Construction to begin (estimate):     nesting bird surveys

GPS Unit	Surveyor	GPS Unit	Surveyor
10	Rocky Barry		
11	Mike Ireland		

	Time	Temp (°F)	Wind (mph, or Beaufort)	Precip.	Cloud Cover (%)
Start	8:00	51	1.5 mph	0	40%
Mid-day	12:15	67	3.6 mph	0	25%
End	3:15	73	4.7 mph	0	25%

Potential Burrows:

Burrow ID (GPS IDENT Code*)	GPS Coordinates for Burrows (NAD 83 Zn 11N)	Burrow complex? (Y/N)	Burrow Width, Height and Depth (in.) (W x H x D)	Individual or Sign Present <sup>2</sup> (list all that apply)	Burrow Status <sup>3</sup> (A, PA, S, NS)			Comments (Note burrow characteristics and sign condition [fresh, etc.]. If present, # of animals, behavior, etc.)	Photo Ref	Burrows in Buffer (distance from footprint in feet)	Focused surveys req'd? (circle species)
					BO	AB	KF				
BMAMI010	709273 13729729	(Y)N	6"x4"x36"	none	S	NA	NA	Complex of suitable burrows	<del>46</del>	250	(BO) None AB KF
BMARB402	709273 13729789	(Y)N	6"x10"x48"	none	S	NA	NA	Suitable for WBD, AB, and DKF	<del>47</del>	250	(BO) None AB KF
BMAMI011	709457 13729940	(Y)N	5"x4"x24"	scat <sup>KF</sup>	S	NS	S	30m diameter complex, DKF	<del>48</del>	0	(BO) None AB (KF)
	1	Y N						DT bone in complex	<del>49-52</del>		None BO AB KF
BMARB403	709297 13730124	(Y)N	4"x5"x48"	none	S	NA	NA	2 burrows	<del>53</del>	330	(BO) None AB KF
BMAMI012	709859 13730012	(Y)N	6"x4"x42"	none <sup>KF</sup>	S	NS	S	North & East facing burrows	<del>54</del>	0	(BO) None AB (KF)
BMARB404	710069 13730106	(Y)N	5"x4"x24"	scat	S	NA	NA	Suitable for WBD & DKF (outside zone)	<del>55</del>	220	(BO) None AB KF
BMAMI015	710107 13730105	Y (N)	10"x10"x36"	scat <sup>KF</sup>	S	NA	NA	Large mammal burrow suitable for all	<del>58</del>	210	(BO) None AB KF
BMARB405	710313 13729938	(Y)N	5"x4"x30"	scat <sup>KF</sup>	S	NA	NA	Burrow complex	<del>59</del>	480	(BO) None AB KF
	1	Y N									None BO AB KF
	1	Y N									None BO AB KF

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<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> Animal or Sign Present: AB-Badger, KF-Desert Kit Fox, ABT-Badger tracks, KFT-Kit fox tracks, ABS - Badger scat, KFS - Kit fox scat, ABC - Badger claw marks, NONE-no sign detected.  
<sup>2</sup> BUOW or Sign Present: BO-Owl, W-Whitewash, P-Pellets, BT- 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 (occupancy is confirmed by visual detection of owl, fox or badger at burrow), PA = Potentially Active (owl, fox or badger occupancy not confirmed, but sign indicates possible use), S = Suitable (No evidence of recent use by owl, fox or badger, but burrow is suitable), NS = Not Suitable (burrow not suitable for owl, fox or badger).

Reviewed by surveyor (initials, date): MA 2/23/11 Approved by team leader (initials, date): \_\_\_\_\_

Site: BSPP

Location: Phase 1A

Survey Date: 2/23/11

Other Species Detected (list sensitive wildlife species and plants detected and incidental species. 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 species detection notes]

Additional Comments/Notes:

Silver Parrot 11

~~XXXXXX~~

Sage Sparrow

Northern Oriole

Bank Swallow

Zebra-tail Lizard

Side-banded Lizard

Common Raven

Horned Lizard

17 Silver Cholla

2 Parrot Cholla

1 Barrel

	<p>DT Bone</p> <hr/> <p>BDCRB401</p> <p>BDCRB402</p> <p>BDCRB403</p>	<p>Coord</p> <hr/> <p>3729940 709457</p> <p>3730194 710105</p> <p>3730051 710270</p>	<p>Barrel/Coordinates</p> <hr/> <p>1 3729840 BDCRB404</p> <p>709451</p>
<p>Photo</p> <hr/> <p>4952</p> <p>56-57</p> <p>5960</p>			

Reviewed by surveyor (initials, date):

Approved by team leader (initials, date):

BURROWING OWL, AMERICAN BADGER AND DESERT KIT FOX PRE-CONSTRUCTION TRANSECT SURVEY DATA SHEET

Site: BSPP Location: Phase IA Size of Survey Area: \_\_\_\_\_ Proposed Activity: \_\_\_\_\_ Page 1 of 1  
 Survey Date: 2/21/11 Construction to begin (estimate): 1/1

GPS Unit	Surveyor	GPS Unit	Surveyor
16	Rocky Brown		
11	M. K. Ireland		

	Time	Temp (°F)	Wind (mph, or Beaufort)	Precip.	Cloud Cover (%)
Start	7:30	54.8	1-3 mph	0	5%
Mid-day	11:30	67.6	3-6 mph	0	0%
End	1:30	70.5	5-10 mph	0	0%

Potential Burrows:

Burrow ID (GPS IDENT Code*)	GPS Coordinates for Burrows (NAD 83 Zn 11N)	Burrow complex? (Y/N)	Burrow Width, Height and Depth (in.) (W x H x D)	Individual or Sign Present <sup>2</sup> (list all that apply)	Burrow Status <sup>3</sup> (A, PA, S, NS)			Comments (Note burrow characteristics and sign condition [fresh, etc.]. If present, # of animals, behavior, etc.)	Photo Ref	Burrows in Buffer (distance from footprint in feet)	Focused surveys req'd? (circle species)
					BO	AB	KF				
BMAWIO14	710093 13729066	(Y)N	10"x8"x36"	old KF scat	S	NS	S	Complex 15m diameter	64	0	None BO AB KF
BMAWIO15	710192 13728953	(Y)N	10"x10"x60"	scat	S	NS	S	two complexes 40m by 10m one very large burrow @ each complex	65-66	30	None BO AB KF
BMAWIO16	710333 13728411	(Y)N	6"x4"x24"	KF scat	S	NA	NA	10m diameter complex	67	490	None BO AB KF
BBWIT001	710328 13728306	Y(N)	8"x5"x24"	BO, W, PF, BT, B	A	NA	NA	Active burrow; sign everywhere	68-70	485	None BO AB KF
BBWIT001	" " "	Y(N)	"	"	"	NA	NA	"	"	"	None BO AB KF
BMAWIO16	710200 13728243	(Y)N	8"x4"x24"	none	S	NS	S	TWO large burrows	71	25	None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF

\*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.

<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>Animal or Sign Present: AB-Badger, KF-Desert Kit Fox, ABT-Badger tracks, KFT-Kit fox tracks, ABS - Badger scat, KFS - Kit fox scat, ABC - Badger claw marks, NONE-no sign detected.

<sup>3</sup>BUOW or Sign Present: BO-Owl, W-Whitewash, P-Pellets, BT- 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 (occupancy is confirmed by visual detection of owl, fox or badger at burrow), PA = Potentially Active (owl, fox or badger occupancy not confirmed, but sign indicates possible use), S = Suitable (No evidence of recent use by owl, fox or badger, but burrow is suitable), NS = Not Suitable (burrow not suitable for owl, fox or badger).

Reviewed by surveyor (initials, date): MS 2/21/11 Approved by team leader (initials, date): \_\_\_\_\_

Site: BSPP

Location: Phoebe LA

Survey Date: 2/24/11

Other Species Detected (list sensitive wildlife species and plants detected and incidental species. 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]):

Silver Pencil  
~~TH~~  
 II

7 Silver Cholla  
 1 Pencil Cholla

## Additional Comments/Notes:

BDCRB405 710337 3729373 1' x 1.5" scute partially calcified

Horned Lizard  
 Side-banded Lizard  
 Sage Sparrow

**BURROWING OWL, AMERICAN BADGER AND DESERT KIT FOX PRE-CONSTRUCTION TRANSECT SURVEY DATA SHEET**

Site: BSPP Location: Phase 1A Size of Survey Area: \_\_\_\_\_ Proposed Activity: \_\_\_\_\_ Page 1 of     
 Survey Date: 2/25/11 Construction to begin (estimate):   /  /  

GPS Unit	Surveyor	GPS Unit	Surveyor
16	Rocky Brown		
11	Mike Ireland		

	Time	Temp (°F)	Wind (mph, or Beaufort)	Precip.	Cloud Cover (%)
Start	8:40	57.7	10 mph	0	75%
Mid-day	11:00	60.0	14.5 mph	0	100%
End					

**Potential Burrows:**

Burrow ID (GPS IDENT Code*)	GPS Coordinates for Burrows (NAD 83 Zn 11N)	Burrow complex? (Y/N)	Burrow Width, Height and Depth (in.) (W x H x D)	Individual or Sign Present <sup>2</sup> (list all that apply)	Burrow Status <sup>3</sup> (A, PA, S, NS)			Comments (Note burrow characteristics and sign condition [fresh, etc.]. If present, # of animals, behavior, etc.)	Photo Ref	Burrows in Buffer (distance from footprint in feet)	Focused surveys req'd? (circle species)
					BO	AB	KF				
	<u>NONE</u>	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF
	/	Y N									None BO AB KF

\*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.

<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> Animal or Sign Present: AB-Badger, KF-Desert Kit Fox, ABT-Badger tracks, KFT-Kit fox tracks, ABS - Badger scat, KFS - Kit fox scat, ABC - Badger claw marks, NONE-no sign detected.

<sup>2</sup> BUOW or Sign Present: BO-Owl, W-Whitewash, P-Pellets, BT- 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 (occupancy is confirmed by visual detection of owl, fox or badger at burrow), PA = Potentially Active (owl, fox or badger occupancy not confirmed, but sign indicates possible use), S = Suitable (No evidence of recent use by owl, fox or badger, but burrow is suitable), NS = Not Suitable (burrow not suitable for owl, fox or badger).

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

Site: BSP Location: Phase IA Survey Date: 2/25/11

Other Species Detected (list sensitive wildlife species and plants detected and incidental species. 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]):

BDL RB406 : -710301 3728062, photo #72-73, 1" x 1.5" bore and flute line  
BDL RB407 : 710003 3728386, photo #74-75, 1" x 3/4" distinct score line

Additional Comments/Notes:

Silver	Barrel	Fishhook			
III		1	BB CRB404	709778	3728370
			BB CRB405	709506	3728330

Common Raven  
Phainopepla  
Sage Sparrow  
Violet-green Swallow

Reviewed by surveyor (initials, date): MD 2/25/11 Approved by team leader (initials, date): \_\_\_\_\_

DESERT KIT FOX AND AMERICAN BADGER PRE-CONSTRUCTION FOCUSED SURVEY DATA SHEET

Site: BSPP Location: PLANT RD Size of Survey Area: \_\_\_\_\_ Proposed Activity: DF Fence Installation Page i of 2  
 Survey Date: 2/15/11 Construction to begin (estimate): 1/1

GPS Unit	Surveyor	GPS Unit	Surveyor
<u>SM 16</u>	<u>RB</u>		

	Time	Temp (°F)	Wind (mph or Beaufort)	Precip.	Cloud Cover (%)
Start	<u>10:00</u>	<u>75°</u>	<u>0-3 mph</u>	<u>0</u>	<u>25%</u>
End					

Sunrise/set \_\_\_\_\_ am/pm

Potential Burrows:

Original Burrow ID (GPS IDENT Code*)	GPS Coordinates for Burrow (NAD 83 Zn 11N)	Monitoring Visit # (1, 2, or 3)	Camera or Track Station? (C= camera, TS=track station)	Original sign observed @ burrow <sup>2</sup>	Identify new sign <sup>2</sup>	Current Burrow Status <sup>3</sup> (A, PA, S, NS)	Comments (Note burrow characteristics and sign condition (fresh, etc.). If present, # of animals, age, behavior, etc.) <sup>4</sup>	Photo Ref	Surveys for mammals complete ?	If surveys complete action required? (N=none, S=scoping, PR=passive relocation)
<u>BMADG004</u>	<u>33.65915, 114.75574</u>	<u>① 2 3</u>	<u>TS</u>			<u>NS</u>	<u>Burrow complex. Signs of rodent activity.</u>		<u>Y (N)</u>	<u>N S PR</u>
<u>BMAMI002</u>	<u>33.65892, 114.75573</u>	<u>① 2 3</u>	<u>TS</u>			<u>NS</u>	<u>Suitable for KF/AB. Pass B<sup>3</sup> but no sign of activity.</u>		<u>Y (N)</u>	<u>N S PR</u>
<u>BMAMI003</u>	<u>33.65857, 114.75576</u>	<u>① 2 3</u>	<u>TS</u>			<u>NS</u>	<u>sifted earth at entrance to burrows to check for tracks</u>		<u>Y (N)</u>	<u>N S PR</u>
<u>BMADG005</u>	<u>33.65862, 114.75726</u>	<u>① 2 3</u>	<u>TS</u>			<u>NS</u>	<u>Small burrow. Small potential for BO. No sign of usage. Deposited sifted earth at entrance.</u>		<u>Y (N)</u>	<u>N S PR</u>
<u>BMAMI004</u>	<u>33.65858, 114.75427</u>	<u>① 2 3</u>	<u>TS</u>			<u>NS</u>	<u>Small mammal burrow complex. Marginal for BO. Sifted earth @ entrance.</u>		<u>Y (N)</u>	<u>N S PR</u>
	<u>/</u>	<u>1 2 3</u>					<u>Side-blotched lizard observed in one burrow.</u>		<u>Y N</u>	<u>N S PR</u>
	<u>/</u>	<u>1 2 3</u>					<u>Small mammal burrow complex. Signs of rodent activity. Sifted earth @ entrance.</u>		<u>Y (N)</u>	<u>N S PR</u>
<u>BMAMI006</u>	<u>33.65842, 114.75377</u>	<u>① 2 3</u>	<u>TS</u>			<u>S</u>	<u>6"x6" large spoil at burrow entrance. KF rodent seat outside entrance.</u>		<u>Y (N)</u>	<u>N S PR</u>
	<u>/</u>	<u>1 2 3</u>					<u>No sign of recent use. Smoothed and gated entrance.</u>	<u>0026</u>	<u>Y N</u>	<u>N S PR B</u>
<u>BMADG006</u>	<u>33.65816, 114.75307</u>	<u>① 2 3</u>	<u>TS</u>			<u>NS</u>	<u>Small mammal burrow complex w/ signs of rodent activity. Sifted earth @ entrance.</u>		<u>Y (N)</u>	<u>N S PR B</u>

\*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., PBBSD001). See page 3 for nomenclature and codes.  
<sup>2</sup> Individual or Sign Present: AB-American badger, KF-desert kit fox, AS-AB scat, KS-KF scat, KT- KF Tracks, AT-AB tracks, B- Bones (from degraded scat), F-Fur, Pr-prey remains, NONE-no sign detected.  
<sup>3</sup> Burrow Status: A = Active (occupancy is confirmed by visual detection of AB or KF), PA = Potentially Active (AB or KF occupancy not confirmed, but sign indicates possible use), S = Suitable (No evidence of recent use by AB or KF but burrow is suitable), NS = Not Suitable (burrow not suitable for AB or KF).  
<sup>4</sup> Comments: If WBO are observed, watch them from a distance to observe the # of birds, their age (adult or juvenile), behaviors, and which burrows they are using. Use the notes section below to add detail and map out the areas/burrows being used by the birds. This is important to focus relocation efforts.

Reviewed by surveyor (Initials, date): RB 2/15/11 Approved by team leader (Initials, date): RB 2/22/11

Site: BLYTHE Location: PLANT RD Survey Date: 2/15/11

Other Species Detected (list sensitive wildlife species and plants detected as well as incidentals. 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]):

Side-blotched lizard  
 BDCRB401 33.65846 114.75629 several DC carcass fragments (Class 5) in 1.5 M<sup>2</sup> area w/one 1.75" x 2 fragment situated approx 5 M to the east of the main distribution. Adult tortoise.

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BMADG001 33.66660 114.75558 1 TS S 12" x 8" KF and/or coyote scat outside burrow w/ large apron - not recent. Entrance smoothed and gated.  
 BMADG002 33.66265 114.75608 1 TS NS Small mammal burrow complex. Signs of rodent use. Sifted earth @ entrance.  
 BMADG008 33.65585 114.75610 1 TS NS Single small mammal burrow. Sifted earth @ entrance. Sign of recent use by rodents. N

Additional Comments/Notes:	Plant Visit	C/TS	BURROW STATUS	COMMENTS	Photo	SURVEY COMPLETE
BMAMI001 33.65893 114.75384	1	TS	NS	Small mammal burrow complex. Signs of recent rodent activity. Sifted earth @ entrance		N
BMADG003 33.65943 114.75329	1	TS	NS			
BMAMI007 33.65679 114.75341	1	TS	S	7" x 5" No sign of recent use. Entrance smoothed & gated.		N
BMADG010 33.65477 114.75137	1	TS	S	8" x 5" No sign of recent activity. Cobwebs down length of burrow (≥ 2.5'). Entrance smoothed & gated		N
BMADG013 33.65211 114.75349	1	TS	S	KF burrow complex w/ some old scat in vicinity. No sign of recent activity. Burrow entrances smoothed & gated. Some entrances partially or completely collapsed.		N
BMAMI009 33.65271 114.75333	1	TS	S			
BMADG021 33.65489 114.75433	1	TS	S			
BMADG012 33.65487 114.75500	1	TS	NS	Small mammal burrow complex. Sifted earth @ entrance		N
BMADG009 33.65525 114.75506	1	TS	NS			
BMAMI008 33.65547 114.75500	1	TS	NS			

Reviewed by surveyor (initials, date): PR 2/16/11 Approved by team leader (initials, date): PR 2/22/11

DESERT KIT FOX AND AMERICAN BADGER PRE-CONSTRUCTION FOCUSED SURVEY DATA SHEET

Site: BSPP Location: PLANT RD. Size of Survey Area: \_\_\_\_\_ Proposed Activity: DT Fence installation / road construction Page 1 of 2  
 Survey Date: 2/16/11 Construction to begin (estimate): 1/1

GPS Unit	Surveyor	GPS Unit	Surveyor
SM 16	R. Brown		

	Time	Temp (°F)	Wind (mph or Beaufort)	Precip.	Cloud Cover (%)
Start	8:40	65	0-3 mph	0	80%
End	15:30	74	10-20 mph	0	99%

Sunrise/set \_\_\_\_\_ am/pm

Potential Burrows:

Original Burrow ID (GPS IDENT Code*)	GPS Coordinates for Burrow (NAD 83 Zn 11N)	Monitoring Visit # (1, 2, or 3)	Camera or Track Station? (C= camera, TS=track station)	Original sign observed @ burrow <sup>2</sup>	Identify new sign <sup>2</sup>	Current Burrow Status <sup>3</sup> (A, PA, S, NS)	Comments (Note burrow characteristics and sign condition [fresh, etc.]. If present, # of animals, age, behavior, etc.) <sup>4</sup>	Photo Ref	Surveys for mammals complete?	If surveys complete action required? (N=none, S=scoping, PR=passive relocation)
BMAM1007	708318 3726371	1 ② 3	TS	None	None	S	Gates at burrow entrance undisturbed. No tracks observed.		Y <u>(N)</u>	N S PR
BMAD4011	708239 3726155	1 ② 3	TS	KS	None	S	Several gates at burrow entrances undisturbed. One stick down at small burrow entrance, though no obvious tracks. Gate replaced.		Y N	N S PR
BMAM1009	708337 3726314	1 ② 3	TS	KS	None	S	No disturbance at entrances to larger, gated burrows. Signs of small mammal usage at entrances to some smaller burrows.		Y <u>(N)</u>	N S PR
	/	1 2 3							Y <u>(N)</u>	N S PR
	/	1 2 3							Y N	N S PR
BMAD4013	708323 3725847	1 ② 3	TS	KS	None	S	Gates at larger burrows undisturbed. Small mammal usage at small burrows. Canine tracks and scratch marks outside entrance to top burrow.	Photo 0032	Y <u>(N)</u>	N S PR
	/	1 2 3							Y N	N S PR
BMAD4010	708513 3726147	1 ② 3	TS	KS	None	S	Gates at burrow entrance undisturbed. No new tracks.		Y <u>(N)</u>	N S PR
<del>BMAD4002</del>	<del>0708010 3727210</del>	<del>1 ② 3</del>	<del>TS</del>	<del>None</del>	<del>None</del>	<del>AB</del>			Y N	N S PR
BMAD4001	0708012 3727450	1 ② 3	TS	KS	None	S	" " "		Y N	N S PR B
	/	1 2 3							Y N	N S PR B

\*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., PBBS001). See page 3 for nomenclature and codes.

<sup>2</sup> Individual or Sign Present: AB-American badger, KF-desert kit fox, AS-AB scat, KS-KF scat, KT- KF Tracks, AT-AB tracks, B- Bones (from degraded scat), F-Fur, Pr-prey remains, NONE-no sign detected.

<sup>3</sup> Burrow Status: A = Active (occupancy is confirmed by visual detection of AB or KF), PA = Potentially Active (AB or KF occupancy not confirmed, but sign indicates possible use), S = Suitable (No evidence of recent use by AB or KF but burrow is suitable), NS = Not Suitable (burrow not suitable for AB or KF).

<sup>4</sup> Comments: If WBO are observed, watch them from a distance to observe the # of birds, their age (adult or juvenile), behaviors, and which burrows they are using. Use the notes section below to add detail and map out the areas/burrows being used by the birds. This is important to focus relocation efforts.

Reviewed by surveyor (initials, date): RB 2/16/11 Approved by team leader (Initials, date): AB 2/22/11

Site: BAPP Location: PLANT RD Survey Date: 2/16/11

Other Species Detected (list sensitive wildlife species and plants detected as well as incidentals. 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]):

Side-blotched lizard  
Horned lizard.

Additional Comments/Notes:

Reviewed by surveyor (initials, date): PR 2/16/11 Approved by team leader (initials, date): RR 2/22/11

**DESERT KIT FOX AND AMERICAN BADGER PRE-CONSTRUCTION FOCUSED SURVEY DATA SHEET**

Site: BSP Location: PLANT RD. Size of Survey Area: \_\_\_\_\_ Proposed Activity: DT Fence installation Page 1 of 2  
 Survey Date: 2/17/11 Construction to begin (estimate): 1/1

GPS Unit	Surveyor	GPS Unit	Surveyor
SM 16	L. Brown		

	Time	Temp (°F)	Wind (mph or Beaufort)	Precip.	Cloud Cover (%)
Start	0920	69°	0-3 mph	0	30%
End	1345	77°	4-7 mph w/gusts	0	17%

Sunrise/set \_\_\_\_\_ am/pm

**Potential Burrows:**

Original Burrow ID (GPS IDENT Code*)	GPS Coordinates for Burrow (NAD 83 Zn 11N)	Monitoring Visit # (1, 2, or 3)	Camera or Track Station? (C= camera, TS=track station)	Original sign observed @ burrow <sup>2</sup>	Identify new sign <sup>2</sup>	Current Burrow Status <sup>3</sup> (A, PA, S, NS)	Comments (Note burrow characteristics and sign condition [fresh, etc.]. If present, # of animals, age, behavior, etc.) <sup>4</sup>	Photo Ref	Surveys for mammals complete ?	If surveys complete action required? (N=none, S=scoping, PR=passive relocation)
BNAMID07	708318 3726371 /	1 2 (3)	TS	None	None	S	No change. Revisit 2/19. No change. Burrow scaped - no occupancy. Burrow collapsed.		(Y) N	N (S) PR
BMAD4010	708513 3726147 /	1 2 (3)	"	KS	"	S	" " / " "		(Y) N	N (S) PR
* BMAD4013	708323 3725947 /	1 2 (3)	TS	KS	KS	S	Gates at several entrances knocked down. Recat KF scat near entrance to one burrow. Recommend installation of a camera station.	0036 0037	Y (N)	N S PR
* BMAMID09	708337 3725914 /	1 2 (3)	TS	KS		S	Gate down @ burrow entrance. No discernable tracks. Recommend camera station.	0038 0040	Y N	N S PR
	/	1 2 3						0041	Y (N)	N S PR
	/	1 2 3							Y N	N S PR
BMAD4011	708239 3726155 /	1 2 (3)	TS	KS	None	S	No change. Revisit 2/18. No change. Burrow scaped - no occupancy. Burrow collapsed.		(Y) N	N (S) PR
BMAD4001	708092 3727450 /	1 2 (3)	TS	KS	"	S	" " / Revisit 2/22. " "		(Y) N	N (S) PR
	/	1 2 3							Y N	N S PR
	/	1 2 3							Y N	N S PR B
	/	1 2 3							Y N	N S PR B

\*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., PBBSD001). See page 3 for nomenclature and codes.

<sup>2</sup> Individual or Sign Present: AB-American badger, KF-desert kit fox, AS-AB scat, KS-KF scat, KT- KF Tracks, AT-AB tracks, B- Bones (from degraded scat), F-Fur, Pr-prey remains, NONE-no sign detected.

<sup>3</sup> Burrow Status: A = Active (occupancy is confirmed by visual detection of AB or KF), PA = Potentially Active (AB or KF occupancy not confirmed, but sign indicates possible use), S = Suitable (No evidence of recent use by AB or KF but burrow is suitable), NS = Not Suitable (burrow not suitable for AB or KF).

<sup>4</sup> Comments: If WBO are observed, watch them from a distance to observe the # of birds, their age (adult or juvenile), behaviors, and which burrows they are using. Use the notes section below to add detail and map out the areas/burrows being used by the birds. This is important to focus relocation efforts.

\* See "Additional Comments" on back

Reviewed by surveyor (initials, date): RB 2/17/11 Approved by team leader (initials, date): PH 2/22/11

Site: BSP Location: PLANT RD Survey Date: 2/17/11

Other Species Detected (list sensitive wildlife species and plants detected as well as incidentals. 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]):

Side-plotted lizard  
Horned lizard

Additional Comments/Notes:

Camera positioned at BMAD4013.

BMAD4013 → Camera placed near burrow entrances 2/17/11 → No result. <sup>2/18</sup> Camera reset, gates at burrow entrances replaced and soil smoothed at entrances. 12/22 - Burrows revisited. No result on camera and no gates disturbed or new tracks. Burrows collapsed.

BMAM1009 → Gates replaced and soil smoothed at burrow entrances on 2/17.  
12/18 - Revisit → no change. Burrows collapsed.

12/18  
Dismantled nests @ BNERP001 & BNEM1002

**BURROWING OWL PRE-CONSTRUCTION FOCUSED SURVEY DATA SHEET**

Site: BSP Location: PLANT RD. Size of Survey Area: \_\_\_\_\_ Proposed Activity: DT fence installation/ road construction Page 1 of 2  
 Survey Date: 2/16/11 Construction to begin (estimate): 1/1

GPS Unit	Surveyor	GPS Unit	Surveyor
SM 16	R. Brown		

	Time	Temp (°F)	Wind (mph or Beaufort)	Precip.	Cloud Cover (%)
Start	8:40	65°	0-3 mph	0	40%
End	15:30	74°	15-20 mph	0	49%

Sunrise/set \_\_\_\_\_ am/pm

**Potential Burrows:**

Original Burrow ID (GPS IDENT Code*)	GPS Coordinates for Burrow (NAD 83 Zn 11N)	Visit # (1, 2, 3 or 4)	Original sign observed @ burrow <sup>2</sup>	Identify new sign <sup>2</sup>	Current Burrow Status <sup>3</sup> (A, PA, S, NS)	Comments (Note burrow characteristics and sign condition [fresh, etc.]. If present, # of animals, age, behavior, etc.) <sup>4</sup>	Photo Ref	Surveys for BO complete?	If surveys complete action required? (N=none, S=scoping, PR=passive relocation)
BMADG004	708074 13726621	1(2)3 4	None	None	S	Burrow complex entrances show signs of use by small mammals (tail drag, scat)		Y (N)	N S PR B
BMADG005	707956 13726561	1(2)3 4	None	None	S	No new tracks in earth outside burrow entrances		Y (N)	N S PR B
BMAMI002	708118 13726599	1(2)3 4	None	None	S	Signs of small mammal usage (tail drag, scat) at entrances to burrows. Side		Y (N)	N S PR B
	1	1 2 3 4				blotched lizard observed in one burrow		Y N	N S PR B
BMAMI003	708153 13726561	1(2)3 4	None	None	S	Signs of small mammal usage.		Y (N)	N S PR B
BMAMI004	708235 13726564	1(2)3 4	None	None	S	" " "	0029	Y (N)	N S PR B
BMAMI005	708252 13726563	1(2)3 4	None	None	S	" " "		Y (N)	N S PR B
BMAMI006	708253 13726547	1(2)3 4	None	None	S	Signs of small mammal/lizard usage at entrances to smaller burrows. Entrance to largest burrow (5" x 5") gated one stick pushed to side but no discernible tracks in soil at burrow entrance. → stick		Y (N)	N S PR B
	1	1 2 3 4				may have fallen over. Entrance re-gated, soil smoothed.		Y N	N S PR B
	1	1 2 3 4						Y N	N S PR B
BMADG006	708348 13726519	1(2)3 4	None	None	S	Signs of small mammal usage		Y (N)	N S PR B

\*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., PBBSD001). See page 3 for nomenclature and codes.

<sup>2</sup> BUOW or Sign Present: BO-Owl, W-Whitewash, P-Pellets, BT- 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 (occupancy is confirmed by visual detection of owl), PA = Potentially Active (owl occupancy not confirmed, but sign indicates possible use), S = Suitable (No evidence of recent use by owl but burrow is suitable), NS = Not Suitable (burrow not suitable for owl).

<sup>4</sup> Comments: If WBO are observed, watch them from a distance to observe the # of birds, their age (adult or juvenile), behaviors, and which burrows they are using. Use the notes section below to add detail and map out the areas/burrows being used by the birds. This is important to focus relocation efforts.

Reviewed by surveyor (initials, date): RB 2/16/11 Approved by team leader (initials, date): RA 2/22/11

Site: BSP Location: PLANT RD Survey Date: 2/16/11

Other Species Detected (list sensitive wildlife species and plants detected as well as incidentals. 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]):

Side-blotched lizard  
 Horned lizard  
 BDCRB402 <sup>708388</sup> <sub>3725845</sub> Class 5 Two possible DT bone fragments. 1" X 1.5"; 1" X 1".

Additional Comments/Notes:	VISIT #	Original Sign	New Sign	Burrow Status	COMMENTS	Survey Complete
BMAMID001 <sup>708321</sup> <sub>3726516</sub>	2	None	None	S	Sign of small mammal usage.	N
BMADG003 <sup>708326</sup> <sub>3726609</sub>	2	None	None	S	" " "	N
BMADG012 <sup>708183</sup> <sub>3726160</sub>	2	None	None	S	" " "	N
BMADG009 <sup>708170</sup> <sub>3726193</sub>	2	None	None	S	" " "	N
BMAMID004 <sup>708174</sup> <sub>3726217</sub>	2	None	None	S	" " "	N
BMADG007 <sup>708093</sup> <sub>3726267</sub>	2	None	None	S	" " "	N
BMADG006 <sup>708044</sup> <sub>3726263</sub>	2	None	None	S	" " "	N
BMADG002 <sup>708010</sup> <sub>3727010</sub>	2	None	None	S	No new sign	N
<del>BMA</del>						

**BURROWING OWL PRE-CONSTRUCTION FOCUSED SURVEY DATA SHEET**

Site: BSPP Location: PLANT RD. Size of Survey Area: \_\_\_\_\_ Proposed Activity: DT fence installation Page 1 of 2  
 Survey Date: 2/17/11 Construction to begin (estimate): 1/1

GPS Unit	Surveyor	GPS Unit	Surveyor
SM 16	R. Brown		

	Time	Temp (°F)	Wind (mph or Beaufort)	Precip.	Cloud Cover (%)
Start	0920	69°	0-3 mph	0	30%
End	1346	77°	4-7 mph w/gusts	0	0%

Sunrise/set \_\_\_\_\_ am/pm

**Potential Burrows:**

Original Burrow ID (GPS IDENT Code*)	GPS Coordinates for Burrow (NAD 83 Zn 11N)	Visit # (1, 2, 3 or 4)	Original sign observed @ burrow <sup>2</sup>	Identify new sign <sup>2</sup>	Current Burrow Status <sup>3</sup> (A, PA, S, NS)	Comments (Note burrow characteristics and sign condition (fresh, etc.). If present, # of animals, age, behavior, etc.) <sup>4</sup>	Photo Ref	Surveys for BO complete?	If surveys complete action required? (N=none, S=scoping, PR=passive relocation)
<del>BMADG001</del>	<del>708170 708526 3726193 13726660</del>	1 2 (3) 4	None	None	S	No change		(Y) N	(N) S PR B
BMAM1001	708321 3726516 1	1 2 (3) 4	None	None	S	No change		(Y) N	(N) S PR B
<del>BMADG006</del>	<del>708348 3726519 1</del>	1 2 (3) 4	None	None	S	" "		(Y) N	(N) S PR B
<del>BMADG012</del>	<del>708185 3726160 1</del>	1 2 (3) 4	"	"	S	" "		(Y) N	(N) S PR B
BMADG009	708170 3726193 1	1 2 (3) 4	"	"	S	" "		(Y) N	(N) S PR B
BMAM1005	708093 3726267 1	1 2 (3) 4	"	"	S	" "		(Y) N	(N) S PR B
BMADG007	708093 3726267 1	1 2 (3) 4	"	"	S	" "		(Y) N	(N) S PR B
BMADG008	708044 3726263 1	1 2 (3) 4	"	"	S	" "		(Y) N	(N) S PR B
BMAM1006	708293 3726547 1	1 2 (3) 4	"	"	S	Gate moved aside at entrance to legit burrow Based on tracks and sign.	0042	(Y) N	(N) S PR B
BMAM1005	708252 3726563 1	1 2 (3) 4	"	"	S	disturbance of gate, appears to be sign man. No change.		(Y) N	(N) S PR B
BMAM1004	708235 3726564 1	1 2 (3) 4	"	"	S	Small piece of snake skin @ ent. to one burrow. No discernable tracks.	0043	(Y) N	(N) S PR B

\*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., PBBSD001). See page 3 for nomenclature and codes.

<sup>2</sup> BUOW or Sign Present: BO-Owl, W-Whitewash, P-Pellets, BT- 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 (occupancy is confirmed by visual detection of owl), PA = Potentially Active (owl occupancy not confirmed, but sign indicates possible use), S = Suitable (No evidence of recent use by owl but burrow is suitable), NS = Not Suitable (burrow not suitable for owl).

<sup>4</sup> Comments: If WBO are observed, watch them from a distance to observe the # of birds, their age (adult or juvenile), behaviors, and which burrows they are using. Use the notes section below to add detail and map out the areas/burrows being used by the birds. This is important to focus relocation efforts.

Reviewed by surveyor (initials, date): PB 2/17/11 Approved by team leader (initials, date): PR 2/22/11

Site: BSPP Location: PLANT RD Survey Date: 2/17/11

Other Species Detected (list sensitive wildlife species and plants detected as well as incidentals. 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]):

✓ Side-blotched lizard  
Horned lizard

Additional Comments/Notes:	VISIT #	Original Sign	New Sign	Current Status	Comments	Photo	Survey Complete	Actions
BMADG004 708074 3726621	3	None	None	S	No change		Y	2
BMADG005 704959 3726561	3	"	"	S	" "		Y	2
BMAMIC02 708119 3726599	3	"	"	S	" "		Y	2
BMAMIC03 708153 3726561	3	"	"	S	" "		Y	2
BMADG002 708010 3727010	3	"	"	S	" "		Y	2

Reviewed by surveyor (initials, date): EB 2/17/11 Approved by team leader (initials, date): AR 2/22/11

**NESTING BIRD PRE-CONSTRUCTION SURVEY DATA SHEET**

Site: Blythe Location: South of Shared Services Size of Survey Area: 2/20 acres Proposed Activity: WBO, K.Fox, Badger, Nesting Bird Surveys Page 1 of 1  
 Survey Date: 2/10/11 Construction to begin (estimate): 1/1/11 8,000 linft

GPS Unit	Surveyor	GPS Unit	Surveyor
11	Mike Jordan		
3	Danna Germain		

	Time	Temp (°F)	Wind (mph or Beaufort)	Precip.	Cloud Cover (%)
Start	11:30	61	11 mph	0	0
End	5:30	57	2 mph		

Sunrise/set \_\_\_\_\_ am/pm

**Potential Nests:**

Nest ID (GPS IDENT Code*)	Bird Species	GPS Coordinates for Nest Site (NAD 83 Zn 11N)	Survey # (1 or 2)	Nesting activity/evidence observed <sup>2</sup>	Current Nest Status <sup>3</sup> (AB, AI, PA, NA)	Comments (Note nest characteristics and type, stage, and condition [fresh material, etc.]. If present, # of birds, age, behavior, etc.) <sup>4</sup>	Photo Ref	Surveys for Nest complete?	If surveys complete action required? (N=none, B=buffer)
BNEME001	unknown	7081691 3727284	① 2	NONE	NA	inactive nest; no new sign	00Z	Y (N)	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B

\*IDENT Code: the unique 8-digit code that identifies the individual nest within the project site (e.g., PBBSD001). See page 3 for nomenclature and codes.  
<sup>2</sup> Nesting Bird Activity or Evidence Present: DD-distracted display, CB- courtship behavior, Ag- agitated behavior, anxiety, or distress calls; FM-fresh nesting material, E-eggs, I-incubating female, C-chicks present, F- fledglings present, Pr-fresh prey remains, Ef-Eggshell fragments, NONE-no sign detected.  
<sup>3</sup> Nest Status: A = Active [confirmed by visual detection of adult birds building (AB), sitting on nest (AI), or caring for young (AY)], PA = Potentially Active (current activity not confirmed, but sign or adult behavior indicates possible recent use or presence of nest where contents are uncertain), NA = Not Active (no birds observed at or near nest exhibiting breeding behavior and no fresh nesting material present).  
<sup>4</sup> Comments: If birds are observed at the nest or in the vicinity, watch them from a distance to observe the # of birds, their age (adult or juvenile), behaviors, and determine the nesting stage. Use the notes section below to add detail and map out the nest/adjacent areas being used by the birds. This is important to determine appropriate buffer zones.

Reviewed by surveyor (initials, date): MD 2/10/11 Approved by team leader (initials, date): \_\_\_\_\_

**NESTING BIRD PRE-CONSTRUCTION SURVEY DATA SHEET**

Site: Bytte Location: Main Road Size of Survey Area: \_\_\_\_\_ Proposed Activity: WBO, K-7 Fx Buffer, Nesting Bird Survey Page 1 of 1  
 Survey Date: 2/4/11 Construction to begin (estimate): 1/1

GPS Unit	Surveyor	GPS Unit	Surveyor
11	Mike Ireland		
3	Donna Geronzi		

	Time	Temp (°F)	Wind (mph or Beaufort)	Precip.	Cloud Cover (%)
Start	6:30	41	1 mph	0	0
End	16:07	71	7 mph	0	0

Sunrise/set \_\_\_\_\_ am/pm

**Potential Nests:**

Nest ID (GPS IDENT Code*)	Bird Species	GPS Coordinates for Nest Site (NAD 83 Zn 11N)	Survey # (1 or 2)	Nesting activity/evidence observed <sup>2</sup>	Current Nest Status <sup>3</sup> (AB, AI, PA, NA)	Comments (Note nest characteristics and type, stage, and condition [fresh material, etc.]. If present, # of birds, age, behavior, etc.) <sup>4</sup>	Photo Ref	Surveys for Nest complete?	If surveys complete action required? (N=none, B=buffer)
BAEM100Z	unknown	708240 13726403	① 2	NONE	NA	(2 nests) Small	07/018	Y (N)	N B
BAER001	unk.	070833613725601	② 2	NONE	NA	1 nest, cup, 10' up in ironwood	030	Y (N)	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B

\*IDENT Code: the unique 8-digit code that identifies the individual nest within the project site (e.g., PBBSD001). See page 3 for nomenclature and codes.

<sup>2</sup> Nesting Bird Activity or Evidence Present: DD-distracted display, CB- courtship behavior, Ag- agitated behavior, anxiety, or distress calls; FM-fresh nesting material, E-eggs, I- incubating female, C-chicks present, F- fledglings present, Pr-fresh prey remains, Ef-Eggshell fragments, NONE-no sign detected.

<sup>3</sup> Nest Status: A = Active [confirmed by visual detection of adult birds building (AB), sitting on nest (AI), or caring for young (AY)], PA = Potentially Active (current activity not confirmed, but sign or adult behavior indicates possible recent use or presence of nest where contents are uncertain), NA = Not Active (no birds observed at or near nest exhibiting breeding behavior and no fresh nesting material present).

<sup>4</sup> Comments: If birds are observed at the nest or in the vicinity, watch them from a distance to observe the # of birds, their age (adult or juvenile), behaviors, and determine the nesting stage. Use the notes section below to add detail and map out the nest/adjacent areas being used by the birds. This is important to determine appropriate buffer zones.

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

**NESTING BIRD PRE-CONSTRUCTION SURVEY DATA SHEET**

Site: BSPP Location: PLANT RD Size of Survey Area: \_\_\_\_\_ Proposed Activity: DT Fencing Page 1 of 1  
 Survey Date: 2/15/11 Construction to begin (estimate): 1/1

GPS Unit	Surveyor	GPS Unit	Surveyor

	Time	Temp (°F)	Wind (mph or Beaufort)	Precip.	Cloud Cover (%)
Start	10:00	75	0-3 mph	0	25%
End					

Sunrise/set \_\_\_\_\_ am/pm

**Potential Nests:**

Nest ID (GPS IDENT Code*)	Bird Species	GPS Coordinates for Nest Site (NAD 83 Zn 11N)	Survey # (1 or 2)	Nesting activity/ evidence observed <sup>2</sup>	Current Nest Status <sup>3</sup> (AB, AI, PA, NA)	Comments (Note nest characteristics and type, stage, and condition [fresh material, etc.]. If present, # of birds, age, behavior, etc.) <sup>4</sup>	Photo Ref	Surveys for Nest complete?	If surveys complete action required? (N=none, B=buffer)
BNEMID02		33.65713 114.75426	1 ②		NA	2 enclosed nests in catclaw. Feathers at entrance to lower <sup>nest</sup> catclaw. Nests observed for approx. 15 mins. No activity witnessed.	0027	Y N	Ⓝ B
			1 2					Y N	N B
			1 2					Y N	N B
BNERR001		33.64939 114.75313	1 ②		NA	1 enclosed nest in catclaw. Nest observed for approx. 15 mins. No activity observed.		Y N	Ⓝ B
			1 2					Y N	N B
BNEMID01		33.66506 114.75481	1 ②		NA	Nest monitored by AB and determined to be inactive. Area has since been cleared of vegetation for DT fence installation.		Y N	Ⓝ B
			1 2					Y N	N B
			1 2					Y N	N B
			1 2					Y N	N B
			1 2					Y N	N B

\*IDENT Code: the unique 8-digit code that identifies the individual nest within the project site (e.g., PBBSD001). See page 3 for nomenclature and codes.

<sup>2</sup> Nesting Bird Activity or Evidence Present: DD-distraction display, CB- courtship behavior, Ag- agitated behavior, anxiety, or distress calls; FM-fresh nesting material, E-eggs, I- incubating female, C-chicks present, F- fledglings present, Pr-fresh prey remains, Ef-Eggshell fragments, NONE-no sign detected.

<sup>3</sup> Nest Status: A = Active [confirmed by visual detection of adult birds building (AB), sitting on nest (AI), or caring for young (AY)], PA = Potentially Active (current activity not confirmed, but sign or adult behavior indicates possible recent use or presence of nest where contents are uncertain), NA = Not Active (no birds observed at or near nest exhibiting breeding behavior and no fresh nesting material present).

<sup>4</sup> Comments: If birds are observed at the nest or in the vicinity, watch them from a distance to observe the # of birds, their age (adult or juvenile), behaviors, and determine the nesting stage. Use the notes section below to add detail and map out the nest/adjacent areas being used by the birds. This is important to determine appropriate buffer zones.

Reviewed by surveyor (initials, date): RB 2/15/11 Approved by team leader (initials, date): [Signature] 2/22/11

**NESTING BIRD PRE-CONSTRUCTION SURVEY DATA SHEET**

Site: BSPP Location: Phase 1A Size of Survey Area: 360 acres Proposed Activity: WBO, AB, DKF Page 1 of 1  
 Survey Date: 2/22/11 Construction to begin (estimate): 1/1 Nesting Bird Surveys

GPS Unit	Surveyor	GPS Unit	Surveyor
16	Rocky Brown		
11	M. Ke Ireland		

	Time	Temp (°F)	Wind (mph or Beaufort)	Precip.	Cloud Cover (%)
Start	10:00	64	1.5 mph	0	10%
End	3:30	64	2.0 mph	0	10%

Sunrise/set \_\_\_\_\_ am/pm

**Potential Nests:**

Nest ID (GPS IDENT Code*)	Bird Species	GPS Coordinates for Nest Site (NAD 83 Zn 11N)	Survey # (1 or 2)	Nesting activity/evidence observed <sup>2</sup>	Current Nest Status <sup>3</sup> (AB, AJ, PA, NA)	Comments (Note nest characteristics and type, stage, and condition [fresh material, etc.]. If present, # of birds, age, behavior, etc.) <sup>4</sup>	Photo Ref	Surveys for Nest complete?	If surveys complete action required? (N=none, B=buffer)
	NONE	/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B

\*IDENT Code: the unique 8-digit code that identifies the individual nest within the project site (e.g., PBBSD001). See page 3 for nomenclature and codes.

<sup>2</sup> Nesting Bird Activity or Evidence Present: DD-distracted display, CB- courtship behavior, Ag- agitated behavior, anxiety, or distress calls; FM-fresh nesting material, E-eggs, I- incubating female, C-chicks present, F- fledglings present, Pr-fresh prey remains, Ef-Eggshell fragments, NONE-no sign detected.

<sup>3</sup> Nest Status: A = Active (confirmed by visual detection of adult birds building (AB), sitting on nest (AJ), or caring for young (AY)), PA = Potentially Active (current activity not confirmed, but sign or adult behavior indicates possible recent use or presence of nest where contents are uncertain), NA = Not Active (no birds observed at or near nest exhibiting breeding behavior and no fresh nesting material present).

<sup>4</sup> Comments: If birds are observed at the nest or in the vicinity, watch them from a distance to observe the # of birds, their age (adult or juvenile), behaviors, and determine the nesting stage. Use the notes section below to add detail and map out the nest/adjacent areas being used by the birds. This is important to determine appropriate buffer zones.

Reviewed by surveyor (initials, date): MM 2/22/11 Approved by team leader (initials, date): \_\_\_\_\_



**NESTING BIRD PRE-CONSTRUCTION SURVEY DATA SHEET**

Site: BSPP Location: Phase 1A Size of Survey Area: \_\_\_\_\_ Proposed Activity: \_\_\_\_\_ Page 1 of 1  
 Survey Date: 2/24/11 Construction to begin (estimate): 1/1

GPS Unit	Surveyor	GPS Unit	Surveyor
16	Rocky Brown		
11	Mike Ireland		

	Time	Temp (°F)	Wind (mph or Beaufort)	Precip.	Cloud Cover (%)
Start	7:30	54.8	1-3 mph	0	50
End	1:30	70.5	5-10 mph	0	00

Sunrise/set \_\_\_\_\_ am/pm

**Potential Nests:**

Nest ID (GPS IDENT Code*)	Bird Species	GPS Coordinates for Nest Site (NAD 83 Zn 11N)	Survey # (1 or 2)	Nesting activity/ evidence observed <sup>2</sup>	Current Nest Status <sup>3</sup> (AB, AI, PA, NA)	Comments (Note nest characteristics and type, stage, and condition [fresh material, etc.]. If present, # of birds, age, behavior, etc.) <sup>4</sup>	Photo Ref	Surveys for Nest complete?	if surveys complete action required? <sup>~</sup> (N=none, B=buffer)
	NONE	/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B

\*IDENT Code: the unique 8-digit code that identifies the individual nest within the project site (e.g., PBBSD001). See page 3 for nomenclature and codes.

<sup>2</sup> Nesting Bird Activity or Evidence Present: DD-distracted display, CB- courtship behavior, Ag- agitated behavior, anxiety, or distress calls; FM-fresh nesting material, E-eggs, I- incubating female, C-chicks present, F- fledglings present, Pr-fresh prey remains, Ef-Eggshell fragments, NONE-no sign detected.

<sup>3</sup> Nest Status: A = Active [confirmed by visual detection of adult birds building (AB), sitting on nest (AI), or caring for young (AY)], PA = Potentially Active (current activity not confirmed, but sign or adult behavior indicates possible recent use or presence of nest where contents are uncertain), NA = Not Active (no birds observed at or near nest exhibiting breeding behavior and no fresh nesting material present).

<sup>4</sup> Comments: If birds are observed at the nest or in the vicinity, watch them from a distance to observe the # of birds, their age (adult or juvenile), behaviors, and determine the nesting stage. Use the notes section below to add detail and map out the nest/adjacent areas being used by the birds. This is important to determine appropriate buffer zones.

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

**NESTING BIRD PRE-CONSTRUCTION SURVEY DATA SHEET**

Site: BSP Location: Main Access Road Size of Survey Area: \_\_\_\_\_ Proposed Activity: Second Survey Page 1 of 1  
 Survey Date: 2/25/11 Construction to begin (estimate): 1/1

GPS Unit	Surveyor	GPS Unit	Surveyor
16	Rocky Brown		
11	Mike Ireland		

	Time	Temp (°F)	Wind (mph or Beaufort)	Precip.	Cloud Cover (%)
Start	7:00	50	5 mph	0	90%
End	8:40	57.7	10 mph	0	80%

Sunrise/set \_\_\_\_\_ am/pm

**Potential Nests:**

Nest ID (GPS IDENT Code*)	Bird Species	GPS Coordinates for Nest Site (NAD 83 Zn 11N)	Survey # (1 or 2)	Nesting activity/ evidence observed <sup>2</sup>	Current Nest Status <sup>3</sup> (AB, AI, PA, NA)	Comments (Note nest characteristics and type, stage, and condition [fresh material, etc.]. If present, # of birds, age, behavior, etc.) <sup>4</sup>	Photo Ref	Surveys for Nest complete?	If surveys complete action required? (N=none, B=buffer)
BKRR001	Unknown	70809613726428	1 2		NA			Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B

\*IDENT Code: the unique 8-digit code that identifies the individual nest within the project site (e.g., PBBS001). See page 3 for nomenclature and codes.

<sup>2</sup> Nesting Bird Activity or Evidence Present: DD-distracted display, CB- courtship behavior, Ag- agitated behavior, anxiety, or distress calls; FM-fresh nesting material, E-eggs, I- incubating female, C-chicks present, F- fledglings present, Pr-fresh prey remains, Ef-Eggshell fragments, NONE-no sign detected.

<sup>3</sup> Nest Status: A = Active [confirmed by visual detection of adult birds building (AB), sitting on nest (AI), or caring for young (AY)], PA = Potentially Active (current activity not confirmed, but sign or adult behavior indicates possible recent use or presence of nest where contents are uncertain), NA = Not Active (no birds observed at or near nest exhibiting breeding behavior and no fresh nesting material present).

<sup>4</sup> Comments: If birds are observed at the nest or in the vicinity, watch them from a distance to observe the # of birds, their age (adult or juvenile), behaviors, and determine the nesting stage. Use the notes section below to add detail and map out the nest/adjacent areas being used by the birds. This is important to determine appropriate buffer zones.

Reviewed by surveyor (initials, date): MB 2/25/11 Approved by team leader (initials, date): \_\_\_\_\_

### NESTING BIRD PRE-CONSTRUCTION SURVEY DATA SHEET

Site: PBSP Location: Phase 1A Size of Survey Area: \_\_\_\_\_ Proposed Activity: \_\_\_\_\_ Page 1 of 1  
 Survey Date: 2/25/11 Construction to begin (estimate):  / /

GPS Unit	Surveyor	GPS Unit	Surveyor
16	Rocky Braun		
11	Mike Tolson		

	Time	Temp (°F)	Wind (mph or Beaufort)	Precip.	Cloud Cover (%)
Start	8:40	57.7	10 mph	0	75%
End	11:00	60.0	14.5 mph	0	100%

Sunrise/set \_\_\_\_\_ am/pm

**Potential Nests:**

Nest ID (GPS IDENT Code*)	Bird Species	GPS Coordinates for Nest Site (NAD 83 Zn 11N)	Survey # (1 or 2)	Nesting activity/ evidence observed <sup>2</sup>	Current Nest Status <sup>3</sup> (AB, AI, PA, NA)	Comments (Note nest characteristics and type, stage, and condition [fresh material, etc.]. If present, # of birds, age, behavior, etc.) <sup>4</sup>	Photo Ref	Surveys for Nest complete?	If surveys complete action required? (N=none, B=buffer)
	NONE	/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B
		/	1 2					Y N	N B

\*IDENT Code: the unique 8-digit code that identifies the individual nest within the project site (e.g., PBBSD001). See page 3 for nomenclature and codes.

<sup>2</sup> Nesting Bird Activity or Evidence Present: DD-distracted display, CB- courtship behavior, Ag- agitated behavior, anxiety, or distress calls; FM-fresh nesting material, E-eggs, I- incubating female, C-chicks present, F- fledglings present, Pr-fresh prey remains, Ef-Eggshell fragments, NONE-no sign detected.

<sup>3</sup> Nest Status: A = Active [confirmed by visual detection of adult birds building (AB), sitting on nest (AI), or caring for young (AY)], PA = Potentially Active (current activity not confirmed, but sign or adult behavior indicates possible recent use or presence of nest where contents are uncertain), NA = Not Active (no birds observed at or near nest exhibiting breeding behavior and no fresh nesting material present).

<sup>4</sup> Comments: If birds are observed at the nest or in the vicinity, watch them from a distance to observe the # of birds, their age (adult or juvenile), behaviors, and determine the nesting stage. Use the notes section below to add detail and map out the nest/adjacent areas being used by the birds. This is important to determine appropriate buffer zones.

Reviewed by surveyor (initials, date): MT 2/25/11 Approved by team leader (initials, date): \_\_\_\_\_

Site: BSP Location: Phase IA Survey Date: 2/25/11

Other Species Detected (list sensitive wildlife species and plants detected and incidental species. 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]):

BDL RB406 : -710301 3728062, photo #72-73, 1" x 1.5" bore and flute line  
BDL RB407 : 710003 3728386, photo #74-75, 1" x 3/4" distinct score line

Additional Comments/Notes:

Silver Barrel	Fishhook			
		1	BB CRB404	709778 3728370
			BB CRB405	709506 3728330

Common Raven  
Phainopepla  
Sage Sparrow  
Violet-green Swallow

## Memorandum

To	Nicole Tenenbaum Compliance Program Manager Solar Millennium, LLC	Page	1
Subject	Monthly Compliance Report of Cultural Resources Monitoring and Data Recovery Activities for the Blythe Solar Power Project – February 2011		
From	Stacey Jordan, Cultural Resources Specialist		
Date	March 7, 2011		

This technical memorandum covers cultural resources monitoring activities at the Blythe Solar Power Project (BSPP) site for the month of February 2011 under Condition of Certification (COC) CUL-16, Construction Monitoring Program, and under COC CUL-6, Prehistoric Quarries Archaeological District Data Recovery and District Nomination.

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

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

Katherine Baber and Benjamin Vargas were the active Cultural Resources Monitors (CRMs) for this month.

Mario Morales was the active Native American monitor for this month.

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

**February 16-17:** The CRM monitored excavation for desert tortoise fencing. Work was conducted using a backhoe, and consisted of excavations approximately 4 feet wide to a depth of 12-16 inches below the existing ground surface (varying with differences in surface topography). The CRM also monitored mechanical grubbing and brush clearing that was conducted with the use of a motor-grader. This work was performed along the north-south access road. Native American monitor Mario Morales was present during these activities. No cultural resources were identified or discovered during this period.

**February 22-25:** The CRM monitored excavation for desert tortoise fencing. Work was conducted using a backhoe, and consisted of excavations approximately 4 feet wide to a depth of 12-16 inches below the existing ground surface (varying with differences in surface topography). The CRM also monitored mechanical grubbing and brush clearing that was conducted with the use of a motor-grader. No Native American monitor was required for work conducted in this area. This work was performed along the north-south access road. Excavations and grubbing/brush clearing activities were conducted at the following locations:

<b>Date</b>	<b>Coordinates<sup>1</sup> Beginning</b>	<b>Coordinates<sup>1</sup> Ending</b>	<b>Activity Monitored<sup>2</sup></b>	<b>Archaeological Sites affected</b>
02-22-2011	708192.1N, 3726868.5E	707945.1N, 3726718.2E	Backhoe Trenching	None
02-22-2011	708013.4N, 3726718.2E	708038.0N, 3726410.4E	Grubbing	None
02-23-2011	707945.1N, 3726718.2E	708200.8N, 3726522.6E	Backhoe Trenching	None
02-23-2011	708058.0N, 3726410.4E	708203.1N, 3726298.9E	Grubbing/clearing	None
02-24-2011	708200.8N, 3726522.6E	708135.3N, 3726482.3E	Trenching	None
02-24-2011	708203.1N, 3726298.9E	708138.5N, 3726463.0E	Grubbing/clearing	None <sup>3</sup>
02-25-2011	708130.2N, 3726743.3E	708137.5N, 3726518.9E	Trenching	None
02-25-2011	708138.5N, 3726463.0E	708148.0N, 3726299.1E	Grubbing/clearing	None

Notes:

<sup>1</sup> Universal Transverse Mercator (UTM) coordinates

<sup>2</sup> All monitored activities were related to desert tortoise fencing along the north-south access road.

<sup>3</sup> Site SMB-H-127 is located within the area monitored on 02-24-2011. Monitoring was required here per the BLM Programmatic Agreement but was not required under the COCs. No cultural material was observed related to Site SMB-H-127 during monitoring efforts.

**February 28:** The CRM monitored excavation for desert tortoise fencing. Work was conducted using a backhoe, and consisted of excavations approximately 4 feet wide to a depth of 12-16 inches below the existing ground surface (varying with differences in surface topography). The CRM also monitored mechanical grubbing and brush clearing that was conducted with the use of a motor-grader. This work was performed along the north-south access road. No Native American monitor was required for work conducted in this area. No cultural resources were identified or discovered during this period. Excavations and grubbing/brush clearing activities were conducted at the following locations:

<b>Date</b>	<b>Coordinates<sup>1</sup> Beginning</b>	<b>Coordinates<sup>1</sup> Ending</b>	<b>Activity Monitored<sup>2</sup></b>	<b>Archaeological Sites affected</b>
02-28-2011	708137.4N, 3726518.9E	708149.8N, 3726237.2E	Backhoe Trenching	None
02-28-2011	708148.0E, 3726299.1N	708309.4E, 3726070.1N	Grubbing/clearing	None
02-28-2011	708150.8E, 3726225.7	708330.9E, 3726051.4N	Grubbing/clearing	None

Notes:

<sup>1</sup> UTM coordinates

<sup>2</sup> All monitored activities were related to desert tortoise fencing along the north-south access road

Daily monitoring logs for the work described above are included as an attachment to this memorandum.

**Data Recovery Activities This Period**

On February 7 and 8, 2011, SWCA Environmental Consultants (SWCA), under contract to AECOM, ground-truthed the results of geophysical survey tests previously conducted in support of the BSPP. The purpose of the geophysical survey tests was to determine the efficacy of the use of magnetometry in locating buried examples of thermal cobble features within the project area in accordance with COC CUL-6. During the tests, eight magnetic anomalies were ground-truthed by SWCA archaeologists. A letter report detailing the methodology and results of the ground-truthing is being prepared for submittal to CEC staff.

**Cultural Resources Discoveries This Period**

None.

**Anticipated Changes in the Next Period**

None.

**Comments, Issues or Concerns**

None.

**Attachment:**

**Daily Archaeological Monitoring Log**

**BLYTHE SOLAR POWER PROJECT DAILY ARCHAEOLOGICAL MONITORING LOG**

DATE: 2/16/2011 Safety Mtg. 7am -

ARCHAEOLOGICAL MONITOR: Katherine Baber

FACILITY: \_\_\_\_\_

ARRIVAL: 7am - Safety Mtg  
8am - site DEPARTURE: 3pm

PROJECT AREA(S): (Location) NORTH/SOUTH CANON RD.

TYPE OF WORK AND EQUIPMENT: Backhoe - trenching for tortoise fence installation  
Blade - grubbing, clearing & smoothing road

SUMMARY OF CONSTRUCTION ACTIVITIES PERFORMED: Trench east side of road  
800 LF - 12-16 deep; 4ft wide. Grub, clear & smooth 900 LF  
to prepare for trenching for tortoise fencing

MONITORING ACTIVITIES PERFORMED: Monitoring of grubbing, clearing,  
smoothing & trenching

CULTURAL RESOURCES PRESENT: No

NATIVE AMERICAN MONITOR (if present): Mario Morales

NON-COMPLIANCE: BLM Compliance monitor - Damien Tietjan/ESA

COMMENTS (use back if necessary): Mario Morales encountered a sidewinder  
Bio-Ray used tongs to move to safe area

LOG FILED WITH MONITORING SUPERVISOR: Benny Vargas/Colton

**BLYTHE SOLAR POWER PROJECT DAILY ARCHAEOLOGICAL MONITORING LOG**

DATE: 2/17/2011

ARCHAEOLOGICAL MONITOR: Katherine Baber

FACILITY: \_\_\_\_\_

ARRIVAL: 7am DEPARTURE: 3pm

PROJECT AREA(S): (Location) North/South access Rd.

TYPE OF WORK AND EQUIPMENT: Backhoe-trenching; Blade-grubbing clearing & smoothing.

SUMMARY OF CONSTRUCTION ACTIVITIES PERFORMED: Trenching east side of road 800 Lf. - 4ft wide 12-16 inches deep. Grub, clear & smooth road to prepare for trenching

MONITORING ACTIVITIES PERFORMED: Monitored grubbing, clearing & smooth & trenching

CULTURAL RESOURCES PRESENT: NO

NATIVE AMERICAN MONITOR (if present): Mario Morales

NON-COMPLIANCE: BLM Compliance Monitor- Damien Tietjen/ESA

COMMENTS (use back if necessary): Beth/CEC came out to look at area trached

LOG FILED WITH MONITORING SUPERVISOR: Bonny Vargas

**BLYTHE SOLAR POWER PROJECT DAILY ARCHAEOLOGICAL MONITORING LOG**

DATE: Feb 22, 2011

ARCHAEOLOGICAL MONITOR: Katharina Baker; NAm Monitor - Mario Morales; BLM Compl: Damian Tietjen

FACILITY: Kiewit

ARRIVAL: 7:00 AM DEPARTURE: 4:50

PROJECT AREA(S): (Location) Main Plant Road + Unit 1a - Solar Field

TYPE OF WORK AND EQUIPMENT: Backhoe: CAT 450E w/ 24 in bucket  
Bader Deere 772GP motor grader w/ 14ft mowboard

SUMMARY OF CONSTRUCTION ACTIVITIES PERFORMED: Main Plant Rd - Tranching  
clearing & grubbing. Unit 1a - Solar Field: staking boundaries for  
tortoise fence.

MONITORING ACTIVITIES PERFORMED: ① Monitored surveyors lay stakes. Monitor tranching  
② GPS'd start/stop points for Unit 1 boundaries; GPS'd start/stop points  
③ Filled out monitoring report.  
④ Emailed daily results to supers.

CULTURAL RESOURCES PRESENT: none observed

NATIVE AMERICAN MONITOR (if present): Mario Morales

NON-COMPLIANCE: BLM Compliance - Damian Tietjen

COMMENTS (use back if necessary): See back for daily activities.

LOG FILED WITH MONITORING SUPERVISOR: Bonny Vargas

700 hr  
600 Zen

Today 800 -

102.8m from #167

7<sup>10AM</sup> AM - Safety/Stretching meeting

8:15 - 9 AM - Monitored backhoe trenching at Main Plant Rd. Trench start: 70812.1N, 3726828.5E  
Grub start: 708013.4N, 3726718.2

9:12 - 9:40 - Communicated w/ Bunny re: having another monitor for the solar field due to sensitive area involved

10 AM - 12:45 - Monitored surveyors laying stakes & walked boundaries to take GPS points of the solar field. SW corner 709207.1N, 3728311.1E; SE corner (old) 709766.1N, 3728206.3E; SE corner (new) 710127.1N, 3728159.2E; SE corner (new) 710127.1N, 3728159.7E; NE corner (old) 709772.1N, 3729964.8E

1 pm - 1:25 pm - LUNCH

1:25 pm - Spoke w/ Bunny re: continued monitoring support at Main Plant Rd.

1:35 - 3:10 - Monitored trenching, clearing, grubbing & smoothing main plant Rd. 500 LF trenched today. Trench stopped 707945.1N, 3726718.2E  
Grub stopped 708038.0N, 3726410.4E

4 pm - 4:50 pm - Kiewit Tuesday meeting

Safety: snakes coming out due to warmer weather; wear snake chaps in heavily bushed areas. Greg Gibson calling area hospital for anti-venom availability; Ray Romero to bring pics of Mohave snake; E.R. protocol - call 911 & tell them to meet you @ Hobson Way & Buck Street. Take injured person there. Crews to work in twos or more in case of emergencies; 3 investors to visit site tomorrow.

**BLYTHE SOLAR POWER PROJECT DAILY ARCHAEOLOGICAL MONITORING LOG**

DATE: Feb 23, 2011

ARCHAEOLOGICAL MONITOR: Katharine Baker

FACILITY: Keisut

ARRIVAL: 7AM DEPARTURE: 3:30

PROJECT AREA(S): (Location) Main Plant Rd. - east side

TYPE OF WORK AND EQUIPMENT: ① CAT 450E Backhoe w/24in bucket  
Blade: Dozer 772 GP - motor grader w/14ft mowerboard

SUMMARY OF CONSTRUCTION ACTIVITIES PERFORMED: Dig trench 4ft wide  
16 in depth 700 LF w/backhoe. Clear, grub & smooth 800 LF

MONITORING ACTIVITIES PERFORMED: ① Monitored construction activities

② GPS points of start/stop locations

③ Filled out monitoring report

④ Emailed monitoring activities to supervisors

CULTURAL RESOURCES PRESENT: None observed

NATIVE AMERICAN MONITOR (if present): NONE

NON-COMPLIANCE: BLM Compliance - Damian Tietjen

COMMENTS (use back if necessary): See back for Daily activities

LOG FILED WITH MONITORING SUPERVISOR: Benny Vargas, Stacey Jordan-Corner, Matt Fannysen

7am - safety / stretching meeting

8:10am - 12:30pm - monitored backhoe trenching on east side of main plant road

Trench start - 707945.1N, 3726718.2E

Trench stop - 708200.8N, 3726522.6E

Grub start - 708057.0N, 3726410.4E

Grub stop - 708203.1N, 3726298.9E

12:30 - 1pm - Lunch

1:05 - 3pm - monitored blade grubbing, smoothing & clearing main plant road. 700 LF  
trenched

2/24/2011 {  
End of grubbing on east side of Main Plant Rd. 708152.677N, 3726478.767E  
End of trenching on east side of Main Plant Rd. 708152.6N, 3726478.7E  
End of monitoring on west side 708152.67760781N, 3726478.76746722E

**BLYTHE SOLAR POWER PROJECT DAILY ARCHAEOLOGICAL MONITORING LOG**

DATE: 2/24/2011

ARCHAEOLOGICAL MONITOR: Katherine Baber

FACILITY: \_\_\_\_\_

ARRIVAL: 7Am DEPARTURE: \_\_\_\_\_

PROJECT AREA(S): (Location) Main Plant Rd. - west side

TYPE OF WORK AND EQUIPMENT: ① CAT 450E Backhoe w/24in bucket  
② Deere 772GP - motor grader w/14ft. mowboard

SUMMARY OF CONSTRUCTION ACTIVITIES PERFORMED: Tracing, clearing,  
grubbing on Main Plant Rd.

MONITORING ACTIVITIES PERFORMED: Monitored construction activities  
GPS'd start/stop points. Filled out monitor reports  
Email results to supervisor

CULTURAL RESOURCES PRESENT: None observed

NATIVE AMERICAN MONITOR (if present): NONE

NON-COMPLIANCE: BLM Compliance - Damian Tietjen

COMMENTS (use back if necessary): see back for Daily activities

LOG FILED WITH MONITORING SUPERVISOR: Benny Vargas, Stacey Jordan-Connor,  
Matt Terryson

7Am - safety/steech

8Am - Monitored trenching on east side of main plant Rd.

10Am - Monitored blading - grubbing + smoothing on west side of main plant rd.  
Grubbing start - 708124.2N, 3726736.1E

Main Plant Rd goes thru SMB-H-167 on west side

12p - 12:30 - Lunch

12:30 - 2:45 Grub/Clean/Smooth both sides of main plant Rd.

**BLYTHE SOLAR POWER PROJECT DAILY ARCHAEOLOGICAL MONITORING LOG**

DATE: 2/25/2011

ARCHAEOLOGICAL MONITOR: Katherine Baber

FACILITY: Kiewit

ARRIVAL: 7am DEPARTURE: 3pm

PROJECT AREA(S): (Location) Main Plant Rd - west side

TYPE OF WORK AND EQUIPMENT: ① CAT 450E Backhoe w/24 in bucket  
② Deere 772 GP - motor grader w/14ft mowboard

SUMMARY OF CONSTRUCTION ACTIVITIES PERFORMED: Trenching for installation of tortoise fence. Clearing & grubbing for preparation for trenching

MONITORING ACTIVITIES PERFORMED: ① Monitored trenching/grubbing activities  
② GPS'd start/stop location  
③ Filled monitoring report  
④ Emailed report results to supervisors

CULTURAL RESOURCES PRESENT: NONE OBSERVED

NATIVE AMERICAN MONITOR (if present): NONE

NON-COMPLIANCE: BLM Compliance - Damian

COMMENTS (use back if necessary): See Back

LOG FILED WITH MONITORING SUPERVISOR: Benny Vargas

7am - safety/stretch mtg.

8:05 - Monitor start on westside - Trench @ 708130.2E, 3726743.3N

9:30 - 9:40 - Break

9:45 - 10:30 - Resume trench - end @ 708137.4E, 3726518.9N

10:35 - Grab west side @ 708138.5E, N 3726463.0N to 708148.0E, 3726399.1N  
3pm

**BLYTHE SOLAR POWER PROJECT DAILY ARCHAEOLOGICAL MONITORING LOG**

DATE: 2/28/2011

ARCHAEOLOGICAL MONITOR: Katherine Baber

FACILITY: Kiewit

ARRIVAL: 7AM DEPARTURE: 3:00

PROJECT AREA(S): (Location) West side of the main plant rd.

TYPE OF WORK AND EQUIPMENT: ① CAT 450E Backhoe w/24 in. bucket for trenching  
② Deere 772GP motor grader w/14ft mow board for clearing, grubbing + smoothing road

SUMMARY OF CONSTRUCTION ACTIVITIES PERFORMED: Trenching for installation of tortoise fencing on west side of the main plant rd. Trench is 4ft wide & 16 in. deep. Grubbing is 3-4 in deep.

MONITORING ACTIVITIES PERFORMED: ① Observed Backhoe & motor grader activities  
② GPS'd start & stop locations (800 LF + 900 LF)  
③ Filled out monitoring report  
④ Emailed monitoring activities to supervisors

CULTURAL RESOURCES PRESENT: NONE observed on surface or sub-surface.

NATIVE AMERICAN MONITOR (if present): NONE

NON-COMPLIANCE: BIM Compliance - Damien Tiedjen

COMMENTS (use back if necessary): See back

LOG FILED WITH MONITORING SUPERVISOR: Benny Vargas

Tam Safety/Stretching

westside of main plant Rd

8:15-10:10 Trench start @ 708150.3E, 3726238.4N to 708305.9E, 3726071.2

10:20 - <sup>12:10</sup> Grubbing resumed on east side of Main plant Rd. @ 708205.1E, 3726306.5N

Turned east @ 708213.4E, 3726257.3N, then turned south @ 708389.0E, 3726091.1N, then goes SW to meet west side of Rd. @ 708385.9E, 3726071.2N

12:00-12:30 - Lunch

12:35-3:00p - Resumed grubbing on east side 



Sound Science. Creative Solutions.

Pasadena Office  
150 S. Arroyo Parkway, 2nd Floor  
Pasadena, CA 91105  
Tel 626.240.0587 Fax 626.240.0607  
www.swca.com

Mark Luttrell  
Program Manager  
AECOM  
2101 Webster Street, Suite 1900  
Oakland, CA 94612

March 4, 2011

**RE: PAL-5, Summary of paleontological monitoring and mitigation activities at the Blythe Solar Power Project (BSPP) for the period of February 2011.**

Dear Mr. Luttrell,

This letter is to update you on SWCA Environmental Consultants paleontological monitoring and mitigation activities at the BSPP site during the period of February 1, 2011, to February 28, 2011. Construction work in February was limited to the Early Works Area of Phase 1A. The Early Works includes development of the initial production well, creation of an equipment staging area around the production well, development of an east/west connector road linking the staging area to the north end of the Main (Permanent) Access Road, and development of the Main Access Road itself.

During this period, no activities resulted in trenching or excavations below 5 feet in depth and no work was performed in designated paleontologically sensitive areas requiring more than part time paleontological monitoring. In accordance with Conditions of Certification (COCs) PAL-2 and PAL-5, the Lead Paleontological Monitor, Jessica DeBusk, consulted with the construction field manager on scheduled work activities and determined that no work was planned to occur in high sensitivity fossil bearing areas of the site. Paleontological monitors Jess DeBusk performed paleontological monitoring during desert tortoise fence installation on February 3, 2011, and February 17, 2011, along the Shared Facilities area and the Main Access Road. Additionally, Paleontological Resource Specialist Cara Corsetti performed a site visit



per the conditions in the Paleontological Resources Monitoring and Mitigation Plan on February 3, 2011. 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 style with a small dot above the final letter.

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

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

Monthly Compliance Report #4

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.	THOMAS J. BARNETT	ALL-PRO Pumping	
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Cultural Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_

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

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

Administrator: Erick Espinosa  2/2/11

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No.	Employee Name	Title/Company	Signature
1.	Cara Corsetti	SWCA Environmental	
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Cultural Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_

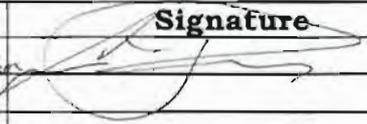
Paleo Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_

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

Administrator: Erick Espinosa  2/3/11

## 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.	ERIC RAMIREZ	BUS MGR/ENVIRO CORP	
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Paleo Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_

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

Administrator: Erick Espinosa



2/7/11

## 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.	Jacquelyn Leyva	ArResources/LEC	Jacquelyn Leyva
2.	David Flores	Supervisor/LEC	David Flores
3.	Andrea Koldy	Attanner/CEC	Andrea Koldy
4.	Sam Adams	Trainer II/CEC	Sam Adams
5.	Amanda Stennick	Supervisor/CEC	Amanda Stennick
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Paleo Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_

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

ADMINISTRATOR: ERIC RAMIREZ

2/9/11

## 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.	Donna Germann	Biologist / AECOM	
2.	Mike Iceland	Associate / AECOM	
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Paleo Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_

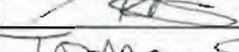
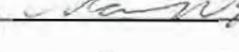
Biological Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_

ADMINISTRATOR: ERIC RAMIREZ

2/10/11

## 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.

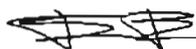
No.	Employee Name	Title/Company	Signature
1.	MARCEL TORRES	KIEWIT	 110214
2.	Robert Koutzaris	OPTECH	 110214
3.	Tonya SMITH	VISITOK	
4.	Brian Bailey	OPTECH	
5.	Paul DiGiacobbe	HNTB	
6.	Adam Horn	HNTB	
7.			
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30.			

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

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

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

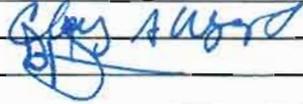
Administrator: Erick Espinosa



2/14/11

## 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.	CLAY A. WIGANT	WEST PACIFIC	
2.	BARRY RIPP	KIEWIT	
3.			
4.			
5.			
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Cultural Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_

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

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

Administrator: Erick Espinosa



2/15/11

## 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.	Paul Andreano	AECOM Biologist	<i>Paul Andreano</i>
2.			
3.			
4.			
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Cultural Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_

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

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

Administrator: *Erick Espinosa*  2/22/11

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

Monthly Compliance Report #4

Exhibit 8  
SWPPP Inspection Checklists

**TORTOISE FENCE & STORM WATER POLLUTION PREVENTION PLAN**  
**SEDIMENT CONTROLS INSPECTION CHECKLIST**

DATE: 2/4/11

**TORTOISE FENCE**

- Is the tortoise fence free of holes above or below ground? If holes are present patch or replace fence section.
- Are post firmly embedded and straight? If no re-embed and straighten or brace.
- Are there any signs of burrowing along the fence line? If yes fill in any holes that do not extend below the fence line, if holes do extend below the fence contact the biologist.
- Is there any debris on or along the fence? If yes remove.
- Has the fence been cut? If so splice or replace section.
- Is the fence sagging? If yes straighten or replace section.

**SILT FENCE**

- Is the fabric bottom buried? If no, dig out soil and bury bottom.
- Is the fabric torn or sagging? If yes, repair or replace.
- Are the posts firmly embedded and straight? If no, re-embed, straighten or brace.
- Is sediment behind the fence deep enough to impair functioning of the fence? If yes, remove excess sediment.
- Are there signs that water is bypassing around the ends of the fence? If yes, extend fence further up embankment.
- Has silt fence been in place for over 8 months? If yes replace.

**CONSTRUCTION ENTRANCES**

- N/A Is a 3 to 6in aggregate and rumble strips being maintained at construction entrances?
- Is soil being tracked from site to public roads? If yes, a stabilized entrance road section or other soil tracking prevention measure must be implemented.
- Is each entrance/exit properly graded to prevent runoff from leaving construction site?

✓

Are local roads adjacent to the site being inspected daily for sediment accumulation. If sediment does exist sweep or vacuum to remove within 24 hours.

N/A

Are all employees that leave the site with mud caked tires and undercarriages using the wash facility at the site entrance/ exit?

N/A

Are accumulated amount of sediment present in the wash rack or sediment trap? If yes remove all sediment from wash rack.

#### EROSION CONTROL MEASURES

✓

Are storage piles and disturbed areas that remain inactive for longer than 10 days covered or treated with an appropriate dust suppressant compound in accordance with Conditions of Certification AQ-SC3.1.

✓

Are existing sources of vegetation being preserved where no construction activities are intended to occur?

✓

Are there signs of erosion in existing stabilized areas? If yes, then repairs or additional controls are required.

✓

Are there signs that water is bypassing around the ends of rock ditch checks? If yes, extend ditch check further up embankment.

✓

Will grading or other soil disturbing activities cease for 14 days with no additional activity scheduled up to and after the 21st day? If yes, then stabilization measures such as seeding or mulching must be implemented by the 14th day. If additional soil disturbing activities are to be performed before the 21st day, then no stabilization measures are required; however, measures must be implemented to prevent sediment runoff from the site.

#### MATERIAL STORAGE

✓

Are construction materials being stored in an area located away from storm drains and inlets? If no construct an enclosure or berm around these areas to prevent storm water contact.

✓

Are stockpiled construction materials that are not actively being used covered and bermed?

#### RUN-ON AND RUN-OFF CONTROLS

✓

Are water Run-ons from off-site being directed away from all disturbed areas?

## WASTE MANAGEMENT MESURES



Are all vehicle maintenance and mobile fueling operations being conducted at least 50 feet away from operational inlets and drainage facilities and on level ground?



Are all wasted disposal containers being covered at the end of every business day or during a rain event?

STORM WATER POLLUTION PREVENTION PLAN  
INSPECTION AND MAINTENANCE REPORT FORM

INSPECTOR: Erick Espinosa DATE: 2/4/11

DAYS SINCE LAST RAINFALL: 12/29 AMOUNT OF LAST RAINFALL .02 INCHES

STABILIZATION MEASURES

LOCATION	ISSUE	DATE OF NEXT FINDING	CORRECTIVE ACTION? (YES/NO)	CORRECTED BY	DATE CORRECTED
	<u>None</u>				

GENERAL NOTES:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

TO BE PERFORMED BY: N/A ON OR BEFORE: \_\_\_\_\_

INSPECTOR: Erick Espinosa DATE: 2/4/11 TIME: 11:00am

COMPLETED BY: N/A DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Signature: 

Name: Erick Espinosa

Title: Environmental Manager

Date: 2/4/11

# TORTOISE FENCE & STORM WATER POLLUTION PREVENTION PLAN

## SEDIMENT CONTROLS INSPECTION CHECKLIST

DATE: 2/10/11

### TORTOISE FENCE



Is the tortoise fence free of holes above or below ground? If holes are present patch or replace fence section.



Are post firmly embedded and straight? If no re-embed and straighten or brace.



Are there any signs of burrowing along the fence line? If yes fill in any holes that do not extend below the fence line, if holes do extend below the fence contact the biologist.



Is there any debris on or along the fence? If yes remove.



Has the fence been cut? If so splice or replace section.



Is the fence sagging? If yes straighten or replace section.

### SILT FENCE



Is the fabric bottom buried? If no, dig out soil and bury bottom.



Is the fabric torn or sagging? If yes, repair or replace.



Are the posts firmly embedded and straight? If no, re-embed, straighten or brace.



Is sediment behind the fence deep enough to impair functioning of the fence? If yes, remove excess sediment.



Are there signs that water is bypassing around the ends of the fence? If yes, extend fence further up embankment.



Has silt fence been in place for over 8 months? If yes replace.

### CONSTRUCTION ENTRANCES



Is a 3 to 6in aggregate and rumble strips being maintained at construction entrances?



Is soil being tracked from site to public roads? If yes, a stabilized entrance road section or other soil tracking prevention measure must be implemented.



Is each entrance/exit properly graded to prevent runoff from leaving construction site?

✓

Are local roads adjacent to the site being inspected daily for sediment accumulation. If sediment does exist sweep or vacuum to remove within 24 hours.

N/A

Are all employees that leave the site with mud caked tires and undercarriages using the wash facility at the site entrance/ exit?

N/A

Are accumulated amount of sediment present in the wash rack or sediment trap? If yes remove all sediment from wash rack.

#### EROSION CONTROL MEASURES

✓

Are storage piles and disturbed areas that remain inactive for longer than 10 days covered or treated with an appropriate dust suppressant compound in accordance with Conditions of Certification AQ-SC3.1.

✓

Are existing sources of vegetation being preserved where no construction activities are intended to occur?

✓

Are there signs of erosion in existing stabilized areas? If yes, then repairs or additional controls are required.

✓

Are there signs that water is bypassing around the ends of rock ditch checks? If yes, extend ditch check further up embankment.

✓

Will grading or other soil disturbing activities cease for 14 days with no additional activity scheduled up to and after the 21st day? If yes, then stabilization measures such as seeding or mulching must be implemented by the 14th day. If additional soil disturbing activities are to be performed before the 21st day, then no stabilization measures are required; however, measures must be implemented to prevent sediment runoff from the site.

#### MATERIAL STORAGE

✓

Are construction materials being stored in an area located away from storm drains and inlets? If no construct an enclosure or berm around these areas to prevent storm water contact.

✓

Are stockpiled construction materials that are not actively being used covered and bermed?

#### RUN-ON AND RUN-OFF CONTROLS

✓

Are water Run-ons from off-site being directed away from all disturbed areas?

WASTE MANAGEMENT MESURES

✓

Are all vehicle maintenance and mobile fueling operations being conducted at least 50 feet away from operational inlets and drainage facilities and on level ground?

✓

Are all wasted disposal containers being covered at the end of every business day or during a rain event?

STORM WATER POLLUTION PREVENTION PLAN  
INSPECTION AND MAINTENANCE REPORT FORM

INSPECTOR: John Upton DATE: 2/10/11

DAYS SINCE LAST RAINFALL: 12/29 AMOUNT OF LAST RAINFALL .02 INCHES

STABILIZATION MEASURES

LOCATION	ISSUE	DATE OF NEXT FINDING	CORRECTIVE ACTION? (YES/NO)	CORRECTED BY	DATE CORRECTED
	<u>None</u>				

GENERAL NOTES:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

TO BE PERFORMED BY: N/A ON OR BEFORE: \_\_\_\_\_

INSPECTOR: John Upton DATE: 2/10/11 TIME: 10:00am

COMPLETED BY: N/A DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Signature: John Upton

Name: John Upton

Title: Supt.

Date: 2/10/11

# TORTOISE FENCE & STORM WATER POLLUTION PREVENTION PLAN

## SEDIMENT CONTROLS INSPECTION CHECKLIST

DATE: 2/18/11

### TORTOISE FENCE

- Is the tortoise fence free of holes above or below ground? If holes are present patch or replace fence section.
- Are post firmly embedded and straight? If no re-embed and straighten or brace.
- Are there any signs of burrowing along the fence line? If yes fill in any holes that do not extend below the fence line, if holes do extend below the fence contact the biologist.
- Is there any debris on or along the fence? If yes remove.
- Has the fence been cut? If so splice or replace section.
- Is the fence sagging? If yes straighten or replace section.

### SILT FENCE

- Is the fabric bottom buried? If no, dig out soil and bury bottom.
- Is the fabric torn or sagging? If yes, repair or replace.
- Are the posts firmly embedded and straight? If no, re-embed, straighten or brace.
- Is sediment behind the fence deep enough to impair functioning of the fence? If yes, remove excess sediment.
- Are there signs that water is bypassing around the ends of the fence? If yes, extend fence further up embankment.
- Has silt fence been in place for over 8 months? If yes replace.

### CONSTRUCTION ENTRANCES

- N/A Is a 3 to 6in aggregate and rumble strips being maintained at construction entrances?
- Is soil being tracked from site to public roads? If yes, a stabilized entrance road section or other soil tracking prevention measure must be implemented.
- Is each entrance/exit properly graded to prevent runoff from leaving construction site?

✓

Are local roads adjacent to the site being inspected daily for sediment accumulation. If sediment does exist sweep or vacuum to remove within 24 hours.

N/A

Are all employees that leave the site with mud caked tires and undercarriages using the wash facility at the site entrance/ exit?

N/A

Are accumulated amount of sediment present in the wash rack or sediment trap? If yes remove all sediment from wash rack.

#### EROSION CONTROL MEASURES

✓

Are storage piles and disturbed areas that remain inactive for longer than 10 days covered or treated with an appropriate dust suppressant compound in accordance with Conditions of Certification AQ-SC3.1.

✓

Are existing sources of vegetation being preserved where no construction activities are intended to occur?

✓

Are there signs of erosion in existing stabilized areas? If yes, then repairs or additional controls are required.

✓

Are there signs that water is bypassing around the ends of rock ditch checks? If yes, extend ditch check further up embankment.

✓

Will grading or other soil disturbing activities cease for 14 days with no additional activity scheduled up to and after the 21st day? If yes, then stabilization measures such as seeding or mulching must be implemented by the 14th day. If additional soil disturbing activities are to be performed before the 21st day, then no stabilization measures are required; however, measures must be implemented to prevent sediment runoff from the site.

#### MATERIAL STORAGE

✓

Are construction materials being stored in an area located away from storm drains and inlets? If no construct an enclosure or berm around these areas to prevent storm water contact.

✓

Are stockpiled construction materials that are not actively being used covered and bermed?

#### RUN-ON AND RUN-OFF CONTROLS

✓

Are water Run-ons from off-site being directed away from all disturbed areas?

## WASTE MANAGEMENT MESURES



Are all vehicle maintenance and mobile fueling operations being conducted at least 50 feet away from operational inlets and drainage facilities and on level ground?



Are all wasted disposal containers being covered at the end of every business day or during a rain event?

STORM WATER POLLUTION PREVENTION PLAN  
INSPECTION AND MAINTENANCE REPORT FORM

INSPECTOR: Erick Espinosa DATE: 2/18/11

DAYS SINCE LAST RAINFALL: 12/29 AMOUNT OF LAST RAINFALL .02 INCHES

STABILIZATION MEASURES

LOCATION	ISSUE	DATE OF NEXT FINDING	CORRECTIVE ACTION? (YES/NO)	CORRECTED BY	DATE CORRECTED
	<u>None</u>				

GENERAL NOTES:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

TO BE PERFORMED BY: N/A ON OR BEFORE: \_\_\_\_\_

INSPECTOR: Erick Espinosa DATE: 2/18/11 TIME: 1pm

COMPLETED BY: N/A DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Signature: 

Name: Erick Espinosa

Title: Environmental Manager

Date: 2/19/11

# TORTOISE FENCE & STORM WATER POLLUTION PREVENTION PLAN

## SEDIMENT CONTROLS INSPECTION CHECKLIST

DATE: 2/21/11

### TORTOISE FENCE

- Is the tortoise fence free of holes above or below ground? If holes are present patch or replace fence section.
- Are post firmly embedded and straight? If no re-embed and straighten or brace.
- Are there any signs of burrowing along the fence line? If yes fill in any holes that do not extend below the fence line, if holes do extend below the fence contact the biologist.
- Is there any debris on or along the fence? If yes remove.
- Has the fence been cut? If so splice or replace section.
- Is the fence sagging? If yes straighten or replace section.

### SILT FENCE

- Is the fabric bottom buried? If no, dig out soil and bury bottom.
- Is the fabric torn or sagging? If yes, repair or replace.
- Are the posts firmly embedded and straight? If no, re-embed, straighten or brace.
- Is sediment behind the fence deep enough to impair functioning of the fence? If yes, remove excess sediment.
- Are there signs that water is bypassing around the ends of the fence? If yes, extend fence further up embankment.
- Has silt fence been in place for over 8 months? If yes replace.

### CONSTRUCTION ENTRANCES

- N/A Is a 3 to 6in aggregate and rumble strips being maintained at construction entrances?
- Is soil being tracked from site to public roads? If yes, a stabilized entrance road section or other soil tracking prevention measure must be implemented.
- Is each entrance/exit properly graded to prevent runoff from leaving construction site?

✓

Are local roads adjacent to the site being inspected daily for sediment accumulation. If sediment does exist sweep or vacuum to remove within 24 hours.

N/A

Are all employees that leave the site with mud caked tires and undercarriages using the wash facility at the site entrance/ exit?

N/A

Are accumulated amount of sediment present in the wash rack or sediment trap? If yes remove all sediment from wash rack.

#### EROSION CONTROL MEASURES

✓

Are storage piles and disturbed areas that remain inactive for longer than 10 days covered or treated with an appropriate dust suppressant compound in accordance with Conditions of Certification AQ-SC3.1.

✓

Are existing sources of vegetation being preserved where no construction activities are intended to occur?

✓

Are there signs of erosion in existing stabilized areas? If yes, then repairs or additional controls are required.

✓

Are there signs that water is bypassing around the ends of rock ditch checks? If yes, extend ditch check further up embankment.

✓

Will grading or other soil disturbing activities cease for 14 days with no additional activity scheduled up to and after the 21st day? If yes, then stabilization measures such as seeding or mulching must be implemented by the 14th day. If additional soil disturbing activities are to be performed before the 21st day, then no stabilization measures are required; however, measures must be implemented to prevent sediment runoff from the site.

#### MATERIAL STORAGE

✓

Are construction materials being stored in an area located away from storm drains and inlets? If no construct an enclosure or berm around these areas to prevent storm water contact.

✓

Are stockpiled construction materials that are not actively being used covered and bermed?

#### RUN-ON AND RUN-OFF CONTROLS

✓

Are water Run-ons from off-site being directed away from all disturbed areas?

## WASTE MANAGEMENT MESURES



Are all vehicle maintenance and mobile fueling operations being conducted at least 50 feet away from operational inlets and drainage facilities and on level ground?



Are all wasted disposal containers being covered at the end of every business day or during a rain event?

STORM WATER POLLUTION PREVENTION PLAN  
INSPECTION AND MAINTENANCE REPORT FORM

INSPECTOR: Erick Espinosa DATE: 2/21/11

DAYS SINCE LAST RAINFALL: 2/19 AMOUNT OF LAST RAINFALL: 1.21 INCHES

STABILIZATION MEASURES

LOCATION	ISSUE	DATE OF NEXT FINDING	CORRECTIVE ACTION? (YES/NO)	CORRECTED BY	DATE CORRECTED
	<u>None</u>				

GENERAL NOTES:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

TO BE PERFORMED BY: N/A ON OR BEFORE: \_\_\_\_\_

INSPECTOR: Erick Espinosa DATE: 2/21/11 TIME: 9am

COMPLETED BY: N/A DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Signature: 

Name: Erick Espinosa

Title: Environmental Manager

Date: 2/21/11

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

Monthly Compliance Report #4

Exhibit 9  
CBO Approvals

# Transmittal Form

**Transmittal Number: CBO-0192**
**Date: 2/25/2011**
**Project: Blythe Solar Power Project**
**Subject: MECH-1-44.0 Rev 0 P&IDs - MISCELLANEOUS STEAM TURBINE PIPING**
**Transmitted via e-mail to the selected companies:**

- CBO WC-3
- CEC
- KPC
- KPE
- SM LLC
- STA-C

**Comments:**

MECH-01-044/MECH-1-44.0: Please review and comment on P&ID's for Steam Turbine Piping Rev. A (IFR).

Number	Rev Description	Title	Rev	Issue Date
PS-300		PIPING AND INSTRUMENTATION DIAGRAM STP - MISCELLANEOUS STEAM TURBINE PIPING	A	2/25/2011
	<i>ISSUED FOR REVIEW</i>			
PS-301		PIPING AND INSTRUMENTATION DIAGRAM STP - MISCELLANEOUS STEAM TURBINE PIPING	A	2/25/2011
	<i>ISSUED FOR REVIEW</i>			
PS-302		PIPING AND INSTRUMENTATION DIAGRAM STP - MISCELLANEOUS STEAM TURBINE PIPING	A	2/25/2011
	<i>ISSUED FOR REVIEW</i>			
PS-303		PIPING AND INSTRUMENTATION DIAGRAM STP - MISCELLANEOUS STEAM TURBINE PIPING	A	2/25/2011
	<i>ISSUED FOR REVIEW</i>			
PS-304		PIPING AND INSTRUMENTATION DIAGRAM STP - MISCELLANEOUS STEAM TURBINE PIPING	A	2/25/2011
	<i>ISSUED FOR REVIEW</i>			
PS-305		PIPING AND INSTRUMENTATION DIAGRAM STP - MISCELLANEOUS STEAM TURBINE PIPING	B	2/25/2011
	<i>ISSUED FOR REVIEW - ABOVE GROUND ONLY</i>			

**Approved By:**


Steve Lorenz  
 Project Manager  
 Kiewit Power Engineers

# Transmittal Form

Transmittal Number: CBO-0191

Date: 2/25/2011

Project: Blythe Solar Power Project

Subject: MECH-1-43.0 Rev 0 P&IDs - STEAM TURBINE LUBE OIL

**Transmitted via e-mail to the selected companies:**

- CBO WC-3
- CEC
- KPC
- KPE
- SM LLC
- STA-C

**Comments:**

MECH-1-043/MECH-1-43.0: Please review and comment on P&ID's for Steam Turbine Lube Oil Rev. A (IFR).

CBO Group:		CBO Group Description:		CBO Group Rev:	
MECH-1-43.0		P&IDs - STEAM TURBINE LUBE OIL		0	
Number	Rev Description	Title		Rev	Issue Date
PS-310	ISSUED FOR REVIEW	PIPING AND INSTRUMENTATION DIAGRAM LOS - STEAM TURBINE LUBE OIL		A	2/25/2011
PS-311	ISSUED FOR REVIEW	PIPING AND INSTRUMENTATION DIAGRAM LOS - LUBE OIL SYSTEM		A	2/25/2011

Approved By:  \_\_\_\_\_  
 Steve Lorenz  
 Project Manager  
 Kiewit Power Engineers

# Transmittal Form

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Transmittal Number: CBO-0190

Date: 2/24/2011

Project: Blythe Solar Power Project

Subject: MECH-1-9.43 Rev 1 P&IDs - CWS/SWS/PWS/FGS/SDR/BDN

Transmitted via e-mail to the selected companies:

- CBO WC-3
- CEC
- KPC
- KPE
- SM LLC
- STA-C

Comments:

---

KPE-CBO-0066: Please see attached response to CBO comments to Water Service P&ID's received via letter BSPP-MECH-01-037.pc1 1/12/2011.

---

Approved By: \_\_\_\_\_



Steve Lorenz  
Project Manager  
Kiewit Power Engineers

# Transmittal Form

---

Transmittal Number: CBO-0189

Date: 2/24/2011

Project: Blythe Solar Power Project

Subject: MECH-1-9.63 Rev 1 P&IDs - PLANT DRAINS

Transmitted via e-mail to the selected companies:

- CBO WC-3
- CEC
- KPC
- KPE
- SM LLC
- STA-C

Comments:

---

KPE-R-0065: Please see attached response to comments to Plant Drain P&ID's Rev. A (IFR) received via letter BSPP-MECH-01-035.pc1 12/23/2010.

---

Approved By: \_\_\_\_\_

  
Steve Lorenz  
Project Manager  
Kiewit Power Engineers

# Transmittal Form

---

Transmittal Number: CBO-0187

Date: 2/24/2011

Project: Blythe Solar Power Project

Subject: ELEC-1-11.0 Rev VFDs

Transmitted via e-mail to the selected companies:

- CBO WC-3
- CEC
- KPC
- KPE
- SM LLC
- STA-C

Comments:

---

KPE-CBO-0063: Please see attached response to additional comments to Specification 822 Medium Voltage Variable Frequency Drives received via letter BSPP-ELEC-01-013.pc2 1/4/2011.

---

Approved By: \_\_\_\_\_

  
Steve Lorenz  
Project Manager  
Kiewit Power Engineers

# Transmittal Form

---

Transmittal Number: CBO-0186

Date: 2/24/2011

Project: Blythe Solar Power Project

Subject: ELEC-1-6.0 Rev HAZARDOUS AREA CLASSIFICATION

Transmitted via e-mail to the selected companies:

- CBO WC-3
- CEC
- KPC
- KPE
- SM LLC
- STA-C

Comments:

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KPE/CBO-0062: Please see attached response to comments received 10/11/2010 via CBO letter BSPP-HAZ-01-002.pc2.

---

Approved By: \_\_\_\_\_



Steve Lorenz  
Project Manager  
Kiewit Power Engineers

# Transmittal Form

Transmittal Number: CBO-0185

Date: 2/22/2011

Project: Blythe Solar Power Project

Subject: CIVIL-1-16.0 Rev 0 PHASE 1A CLEARING/GRUBBING REVISED DISTURBANCE ARE

Transmitted via e-mail to the selected companies:

- CBO WC-3
- CEC
- KPC
- KPE
- SM LLC
- STA-C

**Comments:**

Please expedite review and approval of Clearing/Grubbing and Tortoise Fencing Revised Disturbance Area Rev. 1. Clearing/Grubbing and Tortoise Fencing Disturbance area was previously approved under BSPP-CIVIL-1-009.

CBO Group: CIVIL-1-16.0	CBO Group Description: PHASE 1A CLEARING/GRUBBING REVISED D 0	CBO Group Rev:	
<b>Number</b>	<b>Title</b>	<b>Rev</b>	<b>Issue Date</b>
	<i>Rev Description</i>		
CM-150	PHASE 1A CLEARING/GRUBBING AND TORTOISE FENCING KEY PLAN REVISED DISTURBANCE AREA	1	2/22/2011
CM-152	PHASE 1A CLEARING/GRUBBING AND TORTOISE FENCING PLAN REVISED DISTURBANCE AREA	1	2/22/2011

Approved By: 

Steve Lorenz  
Project Manager  
Kiewit Power Engineers

# Transmittal Form

Transmittal Number: CBO-0184

Date: 2/21/2011

Project: Blythe Solar Power Project

Subject: CIVIL-1-1.02 Rev 3 PHASE 1A CLEARING & GRUBBING

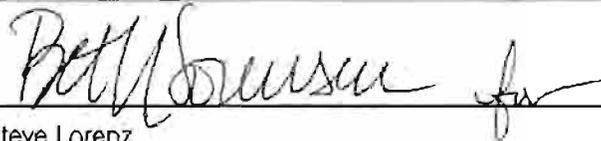
Transmitted via e-mail to the selected companies:

- CBO WC-3
- CEC
- KPC
- KPE
- SM LLC
- STA-C



Comments:

CBO Group:	CBO Group Description:	CBO Group Rev:		
CIVIL-1-1.02	PHASE 1A CLEARING & GRUBBING	3		
Number	Title	Rev	Issue Date	
	<i>Rev Description</i>			
CM-150	PHASE 1A CLEARING/GRUBBING AND TORTOISE FENCING KEY PLAN REVISED DISTURBANCE AREA	1	2/21/2011	
CM-152	PHASE 1A CLEARING/GRUBBING AND TORTOISE FENCING PLAN REVISED DISTURBANCE AREA	1	2/21/2011	

Approved By:   
 Steve Lorenz  
 Project Manager  
 Kiewit Power Engineers

# Transmittal Form

Transmittal Number: CBO-0183

Date: 2/21/2011

Project: Blythe Solar Power Project

Subject: MECH-1-42.0 Rev 0 P&IDs - DEMINERALIZED WATER SUPPLY

Transmitted via e-mail to the selected companies:

- CBO WC-3
- CEC
- KPC
- KPE
- SM LLC
- STA-C

**Comments:**

RE: P&IDs for Demineralized Water Supply, Please Review and Comment. [MECH-1-42.0]

Number	Rev Description	Title	Rev	Issue Date
PS-410		PIPING AND INSTRUMENTATION DIAGRAM DWS - DEMINERALIZED WATER SUPPLY	C	2/21/2011
ISSUED FOR REVIEW - ABOVE GROUND ONLY				

Approved By: \_\_\_\_\_

*Beth Sorenson for*  
Steve Lorenz  
Project Manager  
Kiewit Power Engineers

# Transmittal Form

Transmittal Number: CBO-0182

Date: 2/21/2011

Project: Blythe Solar Power Project

Subject: MECH-1-41.0 Rev 0 P&IDs - SAMPLING UNIT A NO. 1

Transmitted via e-mail to the selected companies:

- CBO WC-3
- CEC
- KPC
- KPE
- SM LLC
- STA-C

Comments:

RE: P&IDs for Sampling Unit A No. 1, Please Review and Comment. [MECH-1-41.0]

Number	Rev Description	Title	Rev	Issue Date
PS-500	ISSUED FOR REVIEW	PIPING AND INSTRUMENTATION DIAGRAM SMP - SAMPLING UNIT NO. 1	A	2/21/2011
PS-501	ISSUED FOR REVIEW	PIPING AND INSTRUMENTATION DIAGRAM- SMP - SAMPLING UNIT NO. 1	A	2/21/2011

Approved By: 

Steve Lorenz  
Project Manager  
Kiewit Power Engineers

# Transmittal Form

**Transmittal Number:** CBO-0181

**Date:** 2/21/2011

**Project:** Blythe Solar Power Project

**Subject:** MECH-1-40.0 Rev 0 P&IDs - CYCLE CHEMICAL FEED

**Transmitted via e-mail to the selected companies:**

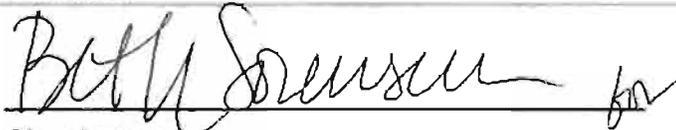
- CBO WC-3
- CEC
- KPC
- KPE
- SM LLC
- STA-C

**Comments:**

RE: P&IDs for Cycle Chemical Feed, Please Review and Comment. [MECH-1-40.0]

CBO Group:		CBO Group Description:		CBO Group Rev:	
MECH-1-40 0		P&IDs - CYCLE CHEMICAL FEED		0	
Number	Rev Description	Title		Rev	Issue Date
PS-520	ISSUED FOR REVIEW	PIPING AND INSTRUMENTATION DIAGRAM	CCF - CYCLE CHEMICAL FEED	A	2/21/2011
PS-521	ISSUED FOR REVIEW	PIPING AND INSTRUMENTATION DIAGRAM	CCF - CYCLE CHEMICAL FEED	A	2/21/2011

Approved By: \_\_\_\_\_



Steve Lorenz  
Project Manager  
Kiewit Power Engineers

# Transmittal Form

Transmittal Number: CBO-0180

Date: 2/21/2011

Project: Blythe Solar Power Project

Subject: MECH-1-39.0 Rev 0 P&IDS - COOLING TOWER CHEMICAL FEED

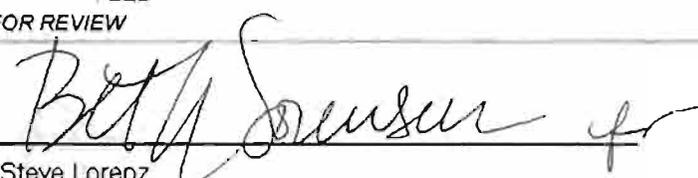
Transmitted via e-mail to the selected companies:

- CBO WC-3
- CEC
- KPC
- KPE
- SM LLC
- STA-C

Comments:

RE: P&IDs for Cooling Tower Chemical Feed, Please Review and Comment.

Number	Rev Description	Title	Rev	Issue Date
PS-530	ISSUED FOR REVIEW	PIPING AND INSTRUMENTATION DIAGRAM TCF - COOLING TOWER CHEMICAL FEED	A	2/21/2011
PS-531	ISSUED FOR REVIEW	PIPING AND INSTRUMENTATION DIAGRAM TCF - COOLING TOWER CHEMICAL FEED	A	2/21/2011
PS-532	ISSUED FOR REVIEW	PIPING AND INSTRUMENTATION DIAGRAM TCF - COOLING TOWER CHEMICAL FEED	A	2/21/2011

Approved By: 

Steve Lorenz  
Project Manager  
Kiewit Power Engineers

# Transmittal Form

Transmittal Number: **CBO-0179**

Date: 2/21/2011

Project: Blythe Solar Power Project

Subject: MECH-1-38.0 Rev 0 SPECIFICATIONS FOR CHEMICAL FEED SYSTEMS

Transmitted via e-mail to the selected companies:

- CBO WC-3
- CEC
- KPC
- KPE
- SM LLC
- STA-C

Comments:

RE: KPE Spec. 430 Chemical Feed Systems Rev. A (IFR), Please review and comment. [MECH-1-38.0]

CBO Group:	CBO Group Description:	CBO Group Rev:	
MECH-1-38.0	SPECIFICATIONS FOR CHEMICAL FEED SYS 0		
<b>Number</b>	<b>Title</b>	<b>Rev</b>	<b>Issue Date</b>
	<i>Rev Description</i>		
430	Chemical Feed Systems	A	2/21/2011
	<i>ISSUED FOR REVIEW</i>		

Approved By: *Steve Lorenz* for  
 Steve Lorenz  
 Project Manager  
 Kiewit Power Engineers

# Transmittal Form

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Transmittal Number: CBO-0176

Date: 2/8/2011

Project: Blythe Solar Power Project

Subject: \KER SAFETY-2 Rev 0 Operations and Maintenance Safety and Health Program

Transmitted via e-mail to the selected companies:

- CBO WC-3
- CEC
- KPC
- KPE
- SM LLC
- STA-C

Comments:

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WS-02: Please review the attached Fire Protection Code Review Rev. 0 Issued for AHJ Review and Comment.

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Approved By: \_\_\_\_\_

  
Steve Lorenz  
Project Manager  
Kiewit Power Engineers

## Transmittal Form

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**Transmittal Number:** CBO-0175

**Date:** 2/4/2011

**Project:** Blythe Solar Power Project

**Subject:** CIVIL-1-3.0 Rev 2 SPECIFICATIONS FOR STORMWATER DRAINAGE

**Transmitted via e-mail to the selected companies:**

- ✓ CBO WC-3
- CEC
- KPC
- ' ' KPE
- ' ' SM LLC
- STA-C

**Comments:**

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KPE/CBO-0061: Please see attached response to comments received 10/15/2010 via CBO letter BSPP-CIVIL-01-002.pc1 regarding Specification 905A Stormwater Drainage Rev. 2 submitted to CBO 9/16/2010. CBO comments have also been incorporated into the Revision 2 issue of this specification which was "wet" stamped and signed on 1/17/2011 and was issued for CBO review.

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**Approved By:** \_\_\_\_\_

  
Steve Lorenz  
Project Manager  
Kiewit Power Engineers

# Transmittal Form

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Transmittal Number: CBO-0174

Date: 2/4/2011

Project: Blythe Solar Power Project

Subject: CIVIL-1-2.0 Rev 2 SPECIFICATIONS FOR HOT-MIX ASPHALT PAVING

Transmitted via e-mail to the selected companies:

- ✓ CBO WC-3
- CEC
- KPC
- KPE
- SM LLC
- STA-C

**Comments:**

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KPE/CBO-0060: Please see attached response to comments received 10/15/2010 via CBO Letter BSPP-CIVIL-01-001.pc1 regarding Hot Mix Asphalt Specification 902 Rev. 1 (IFC) submitted to CBO 9/16/2010. These comments have also been incorporated into the Revision 1 issue of this specification which was "wet" stamped and signed on 1/17/2011 and was issued for CBO review.

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Approved By: \_\_\_\_\_



Steve Lorenz  
Project Manager  
Kiewit Power Engineers

## Transmittal Form

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Transmittal Number: CBO-0173

Date: 2/4/2011

Project: Blythe Solar Power Project

Subject: CIVIL-1-4.02 Rev 4 ACCESS ROAD CALCULATIONS

**Transmitted via e-mail to the selected companies:**

- CBO WC-3
- CEC
- KPC
- KPE
- SM LLC
- STA-C

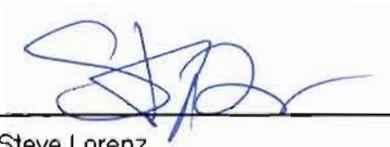
**Comments:**

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KPE/CBO-0059: Response to comments received 1/19/2011 via CBO Letter BSPP-CIVIL-01-010.pc3 regarding Access Road Calculations submitted to CBO 1/3/2011.

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Approved By: \_\_\_\_\_



Steve Lorenz  
Project Manager  
Kiewit Power Engineers

## Transmittal Form

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Transmittal Number: CBO-0172

Date: 2/4/2011

Project: Blythe Solar Power Project

Subject: STRUC-1-60.0 Rev 8 Solar Trough Design, I-Factor Selection

Transmitted via e-mail to the selected companies:

✓: CBO WC-3

CEC

KPC

KPE

SM LLC

STA-C

**Comments:**

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STRUC-01-004: Please find attached a response to the third CBO review letter regarding importance factor issue / SLD for the design of the Heliotrough, dated 12/20/2010. In this response letter, the comments W1 to W5 from Dr. Banks are addressed.

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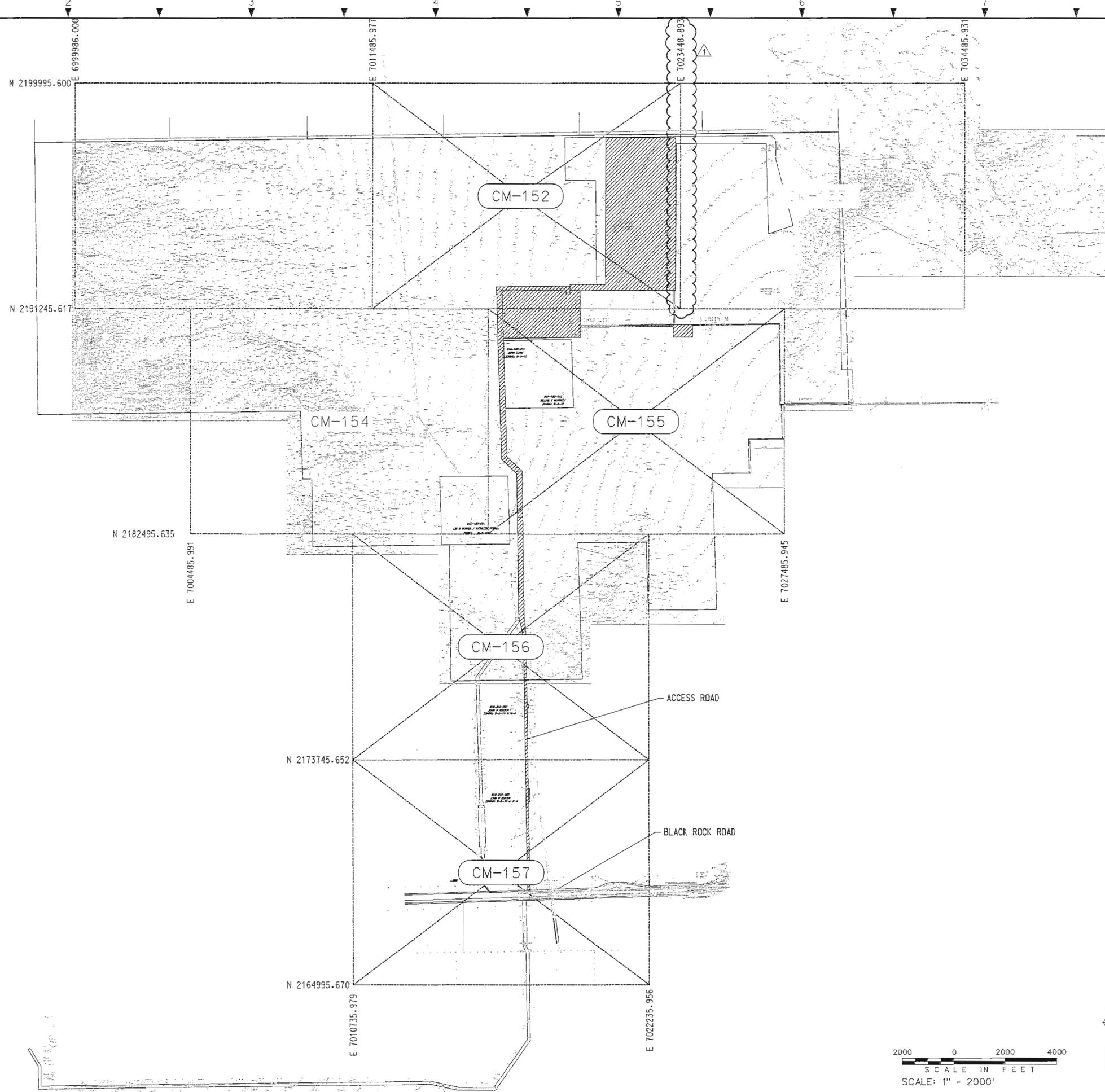
8335\_BL1-LET-FLG-CBO- Importance Factor Issue / SLD for Design of Parabolic Troughs  
0017

2/4/2011

3rd Review on document dated 12/20/2010.

Approved By: \_\_\_\_\_

  
Steve Lorenz  
Project Manager  
Kiewit Power Engineers



**NOTES:**

1. ALL COORDINATES ARE IN U.S. SURVEY FEET GROUND.
2. ALL WORK TO BE DONE IN ACCORDANCE WITH THE COUNTY OF RIVERSIDE GRADING ORDINANCE 461, STANDARD PLANS AND SPECIFICATIONS.
3. WATER TRUCKS WILL BE USED FOR DUST CONTROL DURING CONSTRUCTION. AFTER CONSTRUCTION SOIL STABILIZER WILL BE USED ON ALL EXPOSED SLOPES.
4. VEGETATION WILL BE DISPOSED OF BY CHIPPING AND USED AS NON-STRUCTURAL FILL NOT TO EXCEED 3% ORGANICS.
5. WHEN POSSIBLE, WORK SHOULD BE COORDINATED WITH OTHER OPERATIONS SUCH THAT MINIMAL AMOUNT OF ERODIBLE SURFACE IS EXPOSED UNTIL EROSION CONTROL MEASURES ARE INSTALLED.
6. THE INSTALLATION OF EROSION CONTROL MEASURES SHALL COMMENCE AS SOON AS CLEARING OPERATIONS BEGIN.
7. MATERIALS REMOVED BY CLEARING, GRUBBING AND STRIPPING MAY NOT BE BURNED.
8. NO CLEARING OR GRUBBING MAY OCCUR WITHOUT A REPRESENTATIVE OF THE SOILS ENGINEER ON SITE.
9. THE CLEARING LINE AND TORTOISE FENCE LINE COINCIDE IN ALL AREAS EXCEPT FOR THE ACCESS ROAD. THE ACCESS ROAD WILL ONLY BE CLEARED TO THE GRADING LIMITS AND WILL NOT EXTEND OUTWARD TO THE R.O.W. UNLESS NEEDED.
10. REDUCE THE AMOUNT OF DISTURBED AREA BY REMOVING VEGETATION IN A PHASED MANNER LIMITED TO THE VICINITY OF THE AREAS TO BE GRADED.
11. VEGETATION REMOVAL SHALL BE INTERRUPTED IF THE POTENTIAL EXISTS FOR A STORM EVENT CAPABLE OF CREATING RUNOFF AND SEDIMENTS.
12. SEE ACCESS ROAD PLAN AND PROFILE SHEETS FOR CULVERT INFORMATION.

**HATCH KEY:**

-  PHASE 1A DISTURBANCE
-  TORTOISE FENCE
-  SILT FENCE

1	REVISED DISTURBANCE AREA	M. WARD	M. WARD	B. SORENSEN	02-18-11
0	ISSUED FOR CONSTRUCTION	M. WARD	M. WARD	B. SORENSEN	11-05-10
REV	DESIGN BY	DRAWN BY	CHECKED BY	DATE	

SOLAR MILLENNIUM LLC

BSPP - BLYTHE SOLAR POWER PROJECT



**PLAN REVIEW ACCEPTANCE**  
for compliance with the laws, ordinances, regulations, and standards (LORS) established by the California Energy Commission.  
Plan review acceptance of documents does not authorize construction to proceed in violation of any federal, state, or local regulations.

BY:  DATE: 2/22/2011  
WEST COAST CODE CONSULTANTS, INC.

REGISTERED PROFESSIONAL ENGINEER  
M. WARD  
No. C 67159  
EXPIRES 02/13/12

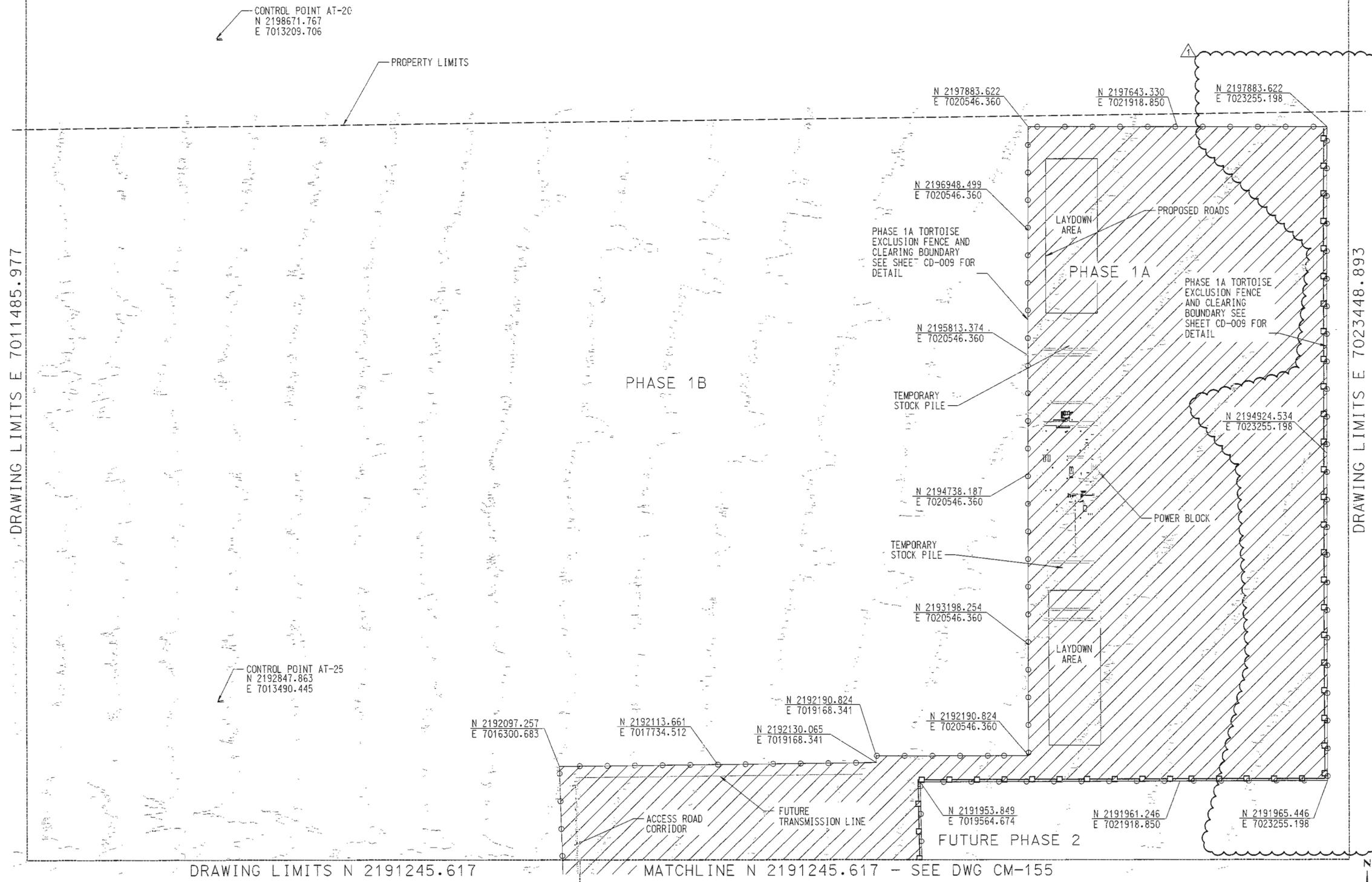
I HEREBY CERTIFY THAT THIS DESIGN CONFORMS TO THE REQUIREMENTS SET FORTH IN THE BSPP ENERGY COMMISSION'S DECISION AND IS IN COMPLIANCE WITH ALL APPLICABLE LORS.

**PHASE 1A CLEARING/GRUBBING AND TORTOISE FENCING KEY PLAN**

ENGINEER/DESIGN ORIGINATOR	M. WARD	DRAWING NUMBER	
LEAD ENG	B. SORENSEN		
ENG MGR			
PROJ MGR	S. LORENZ		2008-045-CM-150



DRAWING LIMITS N 2199995.600



NOTES:

1. ALL COORDINATES ARE IN U.S. SURVEY FEET GROUND.
2. ALL WORK TO BE DONE IN ACCORDANCE WITH THE COUNTY OF RIVERSIDE GRADING ORDINANCE 461, STANDARD PLANS AND SPECIFICATIONS.
3. WATER TRUCKS WILL BE USED FOR DUST CONTROL DURING CONSTRUCTION. AFTER CONSTRUCTION SOIL STABILIZER WILL BE USED ON ALL EXPOSED SLOPES.
4. VEGETATION WILL BE DISPOSED OF BY CHIPPING AND USED AS NON-STRUCTURAL FILL NOT TO EXCEED 3% ORGANICS.
5. WHEN POSSIBLE, WORK SHOULD BE COORDINATED WITH OTHER OPERATIONS SUCH THAT MINIMAL AMOUNT OF ERODIBLE SURFACE IS EXPOSED UNTIL EROSION CONTROL MEASURES ARE INSTALLED.
6. THE INSTALLATION OF EROSION CONTROL MEASURES SHALL COMMENCE AS SOON AS CLEARING OPERATIONS BEGIN.
7. MATERIALS REMOVED BY CLEARING, GRUBBING AND STRIPPING MAY NOT BE BURNED.
8. NO CLEARING OR GRUBBING MAY OCCUR WITHOUT A REPRESENTATIVE OF THE SOILS ENGINEER ON SITE.
9. THE CLEARING LINE AND TORTOISE FENCE LINE COINCIDE IN ALL AREAS EXCEPT FOR THE ACCESS ROAD. THE ACCESS ROAD WILL ONLY BE CLEARED TO THE GRADING LIMITS AND WILL NOT EXTEND OUTWARD TO THE R.O.W. UNLESS NEEDED.
10. REDUCE THE AMOUNT OF DISTURBED AREA BY REMOVING VEGETATION IN A PHASED MANNER LIMITED TO THE VICINITY OF THE AREAS TO BE GRADED.
11. VEGETATION REMOVAL SHALL BE INTERRUPTED IF THE POTENTIAL EXISTS FOR A STORM EVENT CAPABLE OF CREATING RUNOFF AND SEDIMENTS.
12. SEE ACCESS ROAD PLAN AND PROFILE SHEETS FOR CULVERT INFORMATION.

HATCH KEY:

- PHASE 1A DISTURBANCE
- TORTOISE FENCE
- SILT FENCE

1	REVISED DISTURBANCE AREA	M. WARD	M. WARD	B. SORENSEN	02-18-11
0	ISSUED FOR CONSTRUCTION	M. WARD	M. WARD	B. SORENSEN	11-05-10
REV	DESIGN BY	DRAWN BY	CHECKED BY	DATE	

SOLAR MILLENNIUM LLC

BSP - BLYTHE SOLAR POWER PROJECT



Kiewit Power  
9401 Renner Boulevard  
Lenexa, Kansas 66219

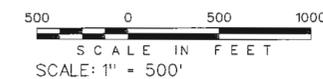
**PLAN REVIEW ACCEPTANCE**  
for compliance with the laws, ordinances, regulations, and standards (LORS) established by the California Energy Commission.  
Plan review acceptance of documents does not authorize construction to proceed in violation of any federal, state, or local regulations.  
BY: *[Signature]* DATE: 2/22/2011  
WEST COAST CODE CONSULTANTS, INC.



HEREBY CERTIFY THAT THE DESIGN CONFORMS TO THE REQUIREMENTS SET FORTH IN THE BSP ENERGY COMMISSION'S DECISION AND IS IN COMPLIANCE WITH ALL APPLICABLE LORS.

PHASE 1A CLEARING/GRUBBING AND TORTOISE FENCING PLAN

ENGINEER/DESIGN ORIGINATOR	M. WARD	DRAWING NUMBER	
LEAD ENG	B. SORENSEN		
ENG MGR			2008-045-CM-152
PROJ MGR	S. LORENZ		



February 15, 2011

Blythe Solar Power Project – Acceptance  
WC<sup>3</sup> Job No.: BSPP-Civil-1-010\_FA

Ms. Mary Dyas  
Compliance Project Manager  
California Energy Commission  
Energy Facilities Siting Division  
1516 Ninth Street, MS 2000  
Sacramento, CA 95814-5512  
Sent via email: [mdyas@energy.state.ca.us](mailto:mdyas@energy.state.ca.us)

**Re: Plan Review: Civil-1 (Access Road Calculations)**  
Location: Riverside County, CA

Dear Ms. Dyas:

On behalf of the California Energy Commission, West Coast Code Consultants, Inc. (WC<sup>3</sup>) has reviewed the plans and 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 Civil-1, established by the California Energy Commission (CEC) Commission Decision (09-AFC-6), dated September 2010, and have been accepted as part of the construction documents.

Accepted permit documents have been stamped and signed by WC<sup>3</sup> and upload to the WC<sup>3</sup> portal. Documents may be printed and utilized for construction of the Blythe Solar Power Project in Riverside County, California as agreed upon between the documentation author and Solar Millennium.

Sincerely,

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

*For*   
Ruth Cranston  
Giyani Senaratne, P.E., S.E., LEED AP, CASp  
Delegate Chief Building Official  
Structural Engineer  
ICBO/ICC/IRC Plans Examiner  
Principal / CEO

CC: Steve Lorenz, Project Manager, Kiewit Power Engineers Co. ([steve.lorenz@kiewit.com](mailto:steve.lorenz@kiewit.com))  
Amber Phillips, Project and CBO Coordinator, Kiewit Power Engineers Co. ([amber.phillips@kiewit.com](mailto:amber.phillips@kiewit.com))  
Maggie Wilkerson, Solar Millennium LLC ([Wilkerson@solarmillennium.com](mailto:Wilkerson@solarmillennium.com))  
Naima Triki, Solar Millennium LLC ([Triki@solarmillennium.com](mailto:Triki@solarmillennium.com))  
Subhendu Banerjee, Solar Millennium LLC ([Banerjee@solarmillennium.com](mailto:Banerjee@solarmillennium.com))



**WEST COAST CODE CONSULTANTS, INC.**

2400 Camino Ramon, Suite #240  
San Ramon, CA 94583

Phone - (925) 275-1700  
e-Mail - [info@wc-3.com](mailto:info@wc-3.com)

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

## **Documents Accepted for Civil-1 (Access Road Calculations) Permit:**

### Calculations:

- Access Road Asphalt Thickness Rev 0 dated December 27, 2010
- Access Road Culvert Hydraulics Rev 0 dated December 27, 2010
- Access Road Culvert Rip-Rap Sizing Rev 0 dated December 27, 2010
- Access Road Geometry Calculations Rev 0 dated December 27, 2010
- Access Road Hydrology Rev 0 dated December 27, 2010
- Box Culvert Wingwall Design Rev 0 dated December 27, 2010

February 11, 2011

Blythe Solar Power Project – **Final Review**  
WC<sup>3</sup> Permit No.: BSPP-MECH-01-001\_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)

**Re: Plan Review: Mech-1, (Specifications for Boiler Feed Pumps)**  
Location: Blythe Solar Power Project, Riverside County, CA

Dear Mr.Lorenz:

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.

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.

The acceptance of this specified portion of the project, as part of the construction documents, is **pending the electronic stamp and signature of the responsible engineer**. In order to issue the acceptance letter for this portion of the Blythe Project, please submit the final stamped and signed documents through the WC<sup>3</sup> document portal.

The documents submitted must be the same documents reviewed by the plan check engineer or additional comments may occur.

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

Sincerely,

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

GiyanSenaratne,S.E.  
StructuralEngineer  
ICBO/ICC/IRC Plans Examiner

CC: Mary Dyas, California Energy Commission ([mdyas@energy.state.ca.us](mailto:mdyas@energy.state.ca.us))  
Amber Phillips, Project and CBO Coordinator, Kiewit Power Engineers Co. ([amber.phillips@kiewit.com](mailto:amber.phillips@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))



**WEST COAST CODE CONSULTANTS, INC.**

2400 Camino Ramon, Suite #240  
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)

**LIST OF DOCUMENTS REVIEWED**

Specifications:

Specifications for Boiler Feed Pumps – KPE Specification 240A (Issued July 30, 2010 – Rev A – Issued for Review

Supporting Documents: (Not for acceptance)

Kiewit response letter dated December 29, 2010

February 11, 2011

Blythe Solar Power Project – **Final Review**  
WC<sup>3</sup> Permit No.: BSPP-MECH-01-007\_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)

**Re: Plan Review: Mech-1, (Specifications for Well Pumps)**  
Location: Blythe Solar Power Project, Riverside County, CA

Dear Mr.Lorenz:

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.

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.

The acceptance of this specified portion of the project, as part of the construction documents, is **pending the electronic stamp and signature of the responsible engineer**. In order to issue the acceptance letter for this portion of the Blythe Project, please submit the final stamped and signed documents through the WC<sup>3</sup> document portal.

The documents submitted must be the same documents reviewed by the plan check engineer or additional comments may occur.

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

Sincerely,

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

GiyanSenaratne,S.E.  
StructuralEngineer  
ICBO/ICC/IRC Plans Examiner

CC: Mary Dyas, California Energy Commission ([mdyas@energy.state.ca.us](mailto:mdyas@energy.state.ca.us))  
Amber Phillips, Project and CBO Coordinator, Kiewit Power Engineers Co. ([amber.phillips@kiewit.com](mailto:amber.phillips@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))



**WEST COAST CODE CONSULTANTS, INC.**

2400 Camino Ramon, Suite #240  
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)

**LIST OF DOCUMENTS REVIEWED**

Specifications:

Specifications for Well Pumps – KPE Specification 565 (Issued September 14, 2010 – Rev A – Issued for Review)

Supporting Documents: (Not for acceptance)

Kiewit response letter dated December 29, 2010

February 11, 2011

Blythe Solar Power Project – **Final Review**  
WC<sup>3</sup> Permit No.: BSPP-MECH-01-010\_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)

**Re: Plan Review: Mech-1, (Specifications for Steam Turbine Bypass Valves)**  
Location: Blythe Solar Power Project, Riverside County, CA

Dear Mr.Lorenz:

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.

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.

The acceptance of this specified portion of the project, as part of the construction documents, is **pending the electronic stamp and signature of the responsible engineer**. In order to issue the acceptance letter for this portion of the Blythe Project, please submit the final stamped and signed documents through the WC<sup>3</sup> document portal.

The documents submitted must be the same documents reviewed by the plan check engineer or additional comments may occur.

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

Sincerely,

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

GiyanSenaratne,S.E.  
StructuralEngineer  
ICBO/ICC/IRC Plans Examiner

CC: Mary Dyas, California Energy Commission ([mdyas@energy.state.ca.us](mailto:mdyas@energy.state.ca.us))  
Amber Phillips, Project and CBO Coordinator, Kiewit Power Engineers Co. ([amber.phillips@kiewit.com](mailto:amber.phillips@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**

Specifications:

Specifications for Bypass Valves – KPE Specification 716A (Issued September 22, 2010 – Rev A – Issued for Review

Supporting Documents: (Not for acceptance)

Kiewit response letter dated December 29, 2010

February 14, 2011

Blythe Solar Power Project – **Final Review**  
WC<sup>3</sup> Permit No.: BSPP-Mech-1-014\_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)

**Re: Plan Review: MECH-1, (Specification Pressure Safety Valves)**  
Location: Blythe Solar Power Project, Riverside County, CA

Dear Mr.Lorenz:

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.

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.

The acceptance of this specified portion of the project, as part of the construction documents, is **pending the electronic stamp and signature of the responsible engineer**. In order to issue the acceptance letter for this portion of the Blythe Project, please submit the final stamped and signed documents through the WC<sup>3</sup> document portal.

The documents submitted must be the same documents reviewed by the plan check engineer or additional comments may occur.

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

Sincerely,

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

Giyansenaratne,S.E.  
StructuralEngineer  
ICBO/ICC/IRC Plans Examiner

CC: Mary Dyas, California Energy Commission ([mdyas@energy.state.ca.us](mailto:mdyas@energy.state.ca.us))  
Amber Phillips, Project and CBO Coordinator, Kiewit Power Engineers Co.([amber.phillips@kiewit.com](mailto:amber.phillips@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**

### SPECIFICATION:

Specifications for Low Pressure Safety Valves-KPE Specification 630U (Issued September 29, 2010) – Rev A – Issued for Review

### Other Documents:

KPE Response Letter dated December 29, 2010.

February 11, 2011

Blythe Solar Power Project – **Final Review**  
WC<sup>3</sup> Permit No.: BSPP-MECH-01-017\_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)

**Re: Plan Review: Mech-1, (Specifications for High Pressue Large Bore Valves)**  
Location: Blythe Solar Power Project, Riverside County, CA

Dear Mr.Lorenz:

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.

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.

The acceptance of this specified portion of the project, as part of the construction documents, is **pending the electronic stamp and signature of the responsible engineer**. In order to issue the acceptance letter for this portion of the Blythe Project, please submit the final stamped and signed documents through the WC<sup>3</sup> document portal.

The documents submitted must be the same documents reviewed by the plan check engineer or additional comments may occur.

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

Sincerely,

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

GiyanSenaratne,S.E.  
StructuralEngineer  
ICBO/ICC/IRC Plans Examiner

CC: Mary Dyas, California Energy Commission ([mdyas@energy.state.ca.us](mailto:mdyas@energy.state.ca.us))  
Amber Phillips, Project and CBO Coordinator, Kiewit Power Engineers Co. ([amber.phillips@kiewit.com](mailto:amber.phillips@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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e-Mail - [info@wc-3.com](mailto:info@wc-3.com) Web -[www.wc-3.com](http://www.wc-3.com)

**LIST OF DOCUMENTS REVIEWED**

Specifications:

Specifications for High Pressure Large Bore Valves – KPE Specification 685A (Issued October 1, 2010 – Rev A – Issued for Review)

Supporting Documents: (Not for acceptance)

Kiewit response letter dated December 29, 2010

February 11, 2011

Blythe Solar Power Project – **Final Review**  
WC<sup>3</sup> Permit No.: BSPP-MECH-01-021\_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)

**Re: Plan Review: Mech-1, (Specifications for Compressed Air System)**  
Location: Blythe Solar Power Project, Riverside County, CA

Dear Mr.Lorenz:

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.

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.

The acceptance of this specified portion of the project, as part of the construction documents, is **pending the electronic stamp and signature of the responsible engineer**. In order to issue the acceptance letter for this portion of the Blythe Project, please submit the final stamped and signed documents through the WC<sup>3</sup> document portal.

The documents submitted must be the same documents reviewed by the plan check engineer or additional comments may occur.

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

Sincerely,

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

GiyanSenaratne,S.E.  
StructuralEngineer  
ICBO/ICC/IRC Plans Examiner

CC: Mary Dyas, California Energy Commission ([mdyas@energy.state.ca.us](mailto:mdyas@energy.state.ca.us))  
Amber Phillips, Project and CBO Coordinator, Kiewit Power Engineers Co.([amber.phillips@kiewit.com](mailto:amber.phillips@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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e-Mail - [info@wc-3.com](mailto:info@wc-3.com) Web -[www.wc-3.com](http://www.wc-3.com)

**LIST OF DOCUMENTS REVIEWED**

Specifications:

Specifications for Compressed Air System – KPE Specification 540 (Issued October 15, 2010 – Rev A – Issued for Review

Supporting Documents: (Not for acceptance)

Kiewit response letter dated December 29, 2010

February 24, 2011

Blythe Solar Power Project – **Final Review**  
WC<sup>3</sup> Permit No.: BSPP-Mech-1-024\_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)

**Re: Plan Review: Mech-1, (P&IDs- Circulating Water)**  
Location: Blythe Solar Power Project, Riverside County, CA

Dear Mr.Lorenz:

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.

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.

The acceptance of this specified portion of the project, as part of the construction documents, is **pending the electronic stamp and signature of the responsible engineer**. In order to issue the acceptance letter for this portion of the Blythe Project, please submit the final stamped and signed documents through the WC<sup>3</sup> document portal.

The documents submitted must be the same documents reviewed by the plan check engineer or additional comments may occur.

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

Sincerely,

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

GiyanSenaratne,S.E.  
StructuralEngineer  
ICBO/ICC/IRC Plans Examiner

CC: Mary Dyas, California Energy Commission ([mdyas@energy.state.ca.us](mailto:mdyas@energy.state.ca.us))  
Amber Phillips, Project and CBO Coordinator, Kiewit Power Engineers Co.([amber.phillips@kiewit.com](mailto:amber.phillips@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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e-Mail - [info@wc-3.com](mailto:info@wc-3.com) Web -[www.wc-3.com](http://www.wc-3.com)

**LIST OF DOCUMENTS REVIEWED**

Plans:

2008-045-PS-260 by Kiewitt Power Engineers dated February 8, 2011  
2008-045-PS-262 by Kiewitt Power Engineers dated February 8, 2011  
2008-045-PS-262 by Kiewitt Power Engineers dated February 8, 2011

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

Monthly Compliance Report #4

Exhibit 10  
BLM-CEC VIS-1 Concurrence Letter

## Mary Dyas - Re: Blythe Solar Power Plant - Structural Colors

---

**From:** <gchill@blm.gov>  
**To:** Andrea Koch <AKoch@energy.state.ca.us>  
**Date:** 2/16/2011 4:50 PM  
**Subject:** Re: Blythe Solar Power Plant - Structural Colors  
**CC:** David Flores <Dflores@energy.state.ca.us>, <gchill@ca.blm.gov>, Mary Dyas <Mdyas@energy.state.ca.us>

---

Hi Andrea,  
 Yes we concur with the selection of Shadow Gray. I look forward to working with you on the project as it proceeds.

Greg Hill  
 Planning & Environmental Coordinator  
 BLM Palm Springs-South Coast Field Office  
 1201 Bird Center Drive  
 Palm Springs, CA 92262  
 (760) 833-7100

Andrea Koch <AKoch@energy.state.ca.us>

02/16/2011 04:21 PM

To <gchill@ca.blm.gov>  
 cc David Flores <Dflores@energy.state.ca.us>, Mary Dyas <Mdyas@energy.state.ca.us>  
 Subject Blythe Solar Power Plant - Structural Colors

Hi Greg. It was good meeting you at the Blythe site last Thursday.

This e-mail is to confirm that we both agreed that the structures will be painted in the "Shadow Gray" shade from the BLM Standard Environmental Colors chart.

Greg and Mary, please pass along this e-mail to any interested parties.

Thanks!

Andrea

Andrea Koch-Eckhardt  
 Environmental Planner  
 916-654-3850  
 akoch@energy.state.ca.us

CA Energy Commission  
 Siting, Transmission, and Environmental Protection Division  
 1516 Ninth Street, MS 40  
 Sacramento, CA 95814-5504

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

Monthly Compliance Report #4

Exhibit 11  
Site Construction Safety Supervisor's Safety Report

# Monthly Safety Inspection Report for February 2011

## Blythe Solar Power Project

### Safety Inspections

See the attached safety Tour Reports.

### Safety Incidents and Corrective Actions

See attached safety tours repots.

### Unresolved Safety Problems

There are no unresolved safety issues.

### First Aid, Reportable, & Recordable Injuries

There were no first aids, reportable, recordable, or near misses during the month of January.



Blythe Solar Power Plant

Date: 2/1/11

By: Erick Espinosa

# Safety/Quality Tour Notes

## SAFETY

OPERATION	OBSERVATION	CORRECTIVE ACTION
Dust Control	Watering the work area before shift to minimize dust for the craft & compliance reasons.	Good Job.

## QUALITY

OPERATION	OBSERVATION	SIFT FOREMAN	CORRECTED?
JHA'S REVIEWED			



Blythe Solar Power Plant

Date: 2/2/11

By: Erick Espinosa

# Safety/Quality Tour Notes

## SAFETY

OPERATION	OBSERVATION	CORRECTIVE ACTION
Tortoise Fence	Exploring new options on visibility for fencing that does not require silt fence. Different ribbon with reflectors.	Good Job.

## QUALITY

OPERATION	OBSERVATION	SIFT FOREMAN	CORRECTED?
JHA'S REVIEWED			



Blythe Solar Power Plant

Date: 2/3/11

By: Erick Erphosa

# Safety/Quality Tour Notes

## SAFETY

OPERATION	OBSERVATION	CORRECTIVE ACTION
	Due to the cold weather the equipment is slippery in the morning, thus we are making sure we keep 3-points of contact coming in & out of the equipment.	Good Job.

## QUALITY

OPERATION	OBSERVATION	SUPERVISOR	CORRECTED?
JHA'S REVIEWED			



Blythe Solar Power Plant

Date: 2/4/11

By: Erick Espinosa

# Safety/Quality Tour Notes

## SAFETY

OPERATION	OBSERVATION	CORRECTIVE ACTION
Fence Install	Better idea and more visible if we paint the T-posts instead of wrapping ribbon around the fence.	

## QUALITY

OPERATION	OBSERVATION	SI PE FOREMAN	CORRECTED?
JHA'S REVIEWED			



**Kiewit**

Blythe Solar Power Plant

Date: 2/7/11

By: Erick Espinosa

# Safety/Quality Tour Notes

## SAFETY

OPERATION	OBSERVATION	CORRECTIVE ACTION
Fence Backfill	Laborer recognized the shovel was broken and stopped to advise his foreman & replace the shovel.	Good Job. Discard shovel.

## QUALITY

OPERATION	OBSERVATION	SEPT. FOREMAN	CORRECTED*
JHA'S REVIEWED			



Blythe Solar Power Plant

Date: 2/8/11

By: Erick Espinosa

# Safety/Quality Tour Notes

## SAFETY

OPERATION	OBSERVATION	CORRECTIVE ACTION
Fence Tension	A hitch extension was purchased in order to keep the tires further away from the edge of the 1-foot ditch. Tires are now approx. 3-foot away from leading edge.	Good Job.

## QUALITY

OPERATION	OBSERVATION	SUPERVISOR	CORRECTED?
JHA'S REVIEWED			



Blythe Solar Power Plant

Date: 2/9/11

By: Erick Espinosa

# Safety/Quality Tour Notes

## SAFETY

OPERATION	OBSERVATION	CORRECTIVE ACTION
Tortoise Fence	Employee decided to wear a hoodie due to cold & windy conditions, however he placed it over his vest.	was instructed to wear under his safety vest.

## QUALITY

OPERATION	OBSERVATION	SEPT FOREMAN	CORRECTED?
JHA'S REVIEWED			



Blythe Solar Power Plant

Date: 2/18/11

By: Erick Espinosa

# Safety/Quality Tour Notes

## SAFETY

OPERATION	OBSERVATION	CORRECTIVE ACTION
Wood chipping	New piece of equipment was delivered, so crew stopped and created a new JHA to identify new hazards.	Good Job.

## QUALITY

OPERATION	OBSERVATIONS	SEPTOR/MAN	CORRECTED?
JHA'S REVIEWED			



Blythe Solar Power Plant

Date: 2/11/11

By: Erick Espinosa

# Safety/Quality Tour Notes

## SAFETY

OPERATION	OBSERVATION	CORRECTIVE ACTION
Environmental Activities	while moving 2nd containment, laborers used proper lifting techniques	Good Job.

## QUALITY

OPERATION	OBSERVATION	SUPERVISOR	CORRECTED?
JHA'S REVIEWED			



Blythe Solar Power Plant

Date: 2/14/11

By: Erick Espinosa

# Safety/Quality Tour Notes

## SAFETY

OPERATION	OBSERVATION	CORRECTIVE ACTION
Fence staging	while staging material make sure to eliminate anything in the walk- ways.	

## QUALITY

OPERATION	OBSERVATION	SPT FOREMAN	CORRECTED?
JHA'S REVIEWED			



Blythe Solar Power Plant

Date: 2/15/11  
By: Erick Espinosa

# Safety/Quality Tour Notes

## SAFETY

OPERATION	OBSERVATION	CORRECTIVE ACTION
Port Driving	Going above & beyond by using ear muffs for hearing protection & not just ear plugs.	Good Job.

## QUALITY

OPERATION	OBSERVATION	SUPV/FIREMAN	CORRECTED?
JHA'S REVIEWED			



Blythe Solar Power Plant

Date: 2/16/11

By: Erick Espinosa

# Safety/Quality Tour Notes

## SAFETY

OPERATION	OBSERVATION	CORRECTIVE ACTION
Clear of Grub	Baby rattlesnake was spotted.	Called Biologist to handle.

## QUALITY

OPERATION	OBSERVATION	SECT FOREMAN	CORRECTED?
JHA'S REVIEWED			



Blythe Solar Power Plant

Date: 2/17/11

By: Erick Espinosa

# Safety/Quality Tour Notes

## SAFETY

OPERATION	OBSERVATION	CORRECTIVE ACTION
Backfill	operator shut down equipment while bucket was still in the air to take a water break in the cab.	superintendent told operator to ground all implements when shutting down equipment.

## QUALITY

OPERATION	OBSERVATION	SUPERVISOR	CORRECTED?
JHA'S REVIEWED			



Blythe Solar Power Plant

Date: 2/18/11

By: Erick Espinosa

# Safety/Quality Tour Notes

## SAFETY

OPERATION	OBSERVATION	CORRECTIVE ACTION
wood chipping	wood chipping activities required snake chaps, double leather gloves, & ear muffs.	Good Job.

## QUALITY

OPERATION	OBSERVATION	SUP. FOREMAN	CORRECTED?
JHA'S REVIEWED			



Blythe Solar Power Plant

Date: 2/22/11

By: Erick Espinosa

# Safety/Quality Tour Notes

## SAFETY

OPERATION	OBSERVATION	CORRECTIVE ACTION
Dust Control	The regular mechanic gloves for the teamster would get soaked during dust control activities & the operator would have difficulty with wet gloves the rest of the day.	Purchased rubber gloves during dust control handling.

## QUALITY

OPERATION	OBSERVATION	SEPTORREMAN	CORRECTED?
JHA'S REVIEWED			



Blythe Solar Power Plant

Date: 2/23/11

By: Erick Espinosa

# Safety/Quality Tour Notes

## SAFETY

OPERATION	OBSERVATION	CORRECTIVE ACTION
Traffic control	Cones were placed away from the operation to indicate that vehicles that are not part of the operation & not allowed inside.	Guard Idea.

## QUALITY

OPERATION	OBSERVATION	SUPERVISOR	CORRECTED
JHA'S REVIEWED			



Blythe Solar Power Plant

Date: 2/24/11

By: Erick Espinosa

# Safety/Quality Tour Notes

## SAFETY

OPERATION	OBSERVATION	CORRECTIVE ACTION
Post Driving	Due to all the vibrations & <del>movements</del> movements of the hose, the cutter pin would back out of the slot.	Duct taped around the hose to prevent.

## QUALITY

OPERATION	OBSERVATION	REPORTED BY	CORRECTED BY
JHA'S REVIEWED			



Blythe Solar Power Plant

Date: 2/25/11

By: Erick Espinosa

# Safety/Quality Tour Notes

## SAFETY

OPERATION	OBSERVATION	CORRECTIVE ACTION
Fence Install	Maintaining good access regardless if it's a 1-foot trench.	Good Job.

## QUALITY

OPERATION	OBSERVATION	SI PL FOREMAN	CORRECTED?
JHA'S REVIEWED			



Blythe Solar Power Plant

Date: 2/28/11

By: Erick Espinosa

# Safety/Quality Tour Notes

## SAFETY

OPERATION	OBSERVATION	CORRECTIVE ACTION
Fence Install	we decided to send a laborer home early due to the fact that hrs head will not be at work due to family problems.	send him home early.

## QUALITY

OPERATION	OBSERVATION	SUPERVISOR	MAN	CORRECTED?
JHA'S REVIEWED				

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

Monthly Compliance Report #4

Exhibit 12  
CBO Safety Monitor's Report



**WEST COAST CODE CONSULTANTS, Inc.**

2400 Camino Ramon, Suite 240

San Ramon, CA 94583

Tel: (925) 275-1700

Fax: (925) 275-0600

March 9, 2011

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 February 2011**

Dear Ms. Dyas:

As it relates to **Workers Safety 3**, Kiewit Power Inc. has met, or exceeded these requirements with regard to:

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

Sincerely,

**Greg Gibson**

Supervising Building Inspector / Safety Monitor

West Coast Code Consultants, Inc.

2400 Camino Ramon, Suite 240

San Ramon, CA 94583