

**Mojave Solar Project
Monthly Compliance Report
San Bernardino County, California**



**Monthly Compliance Report
January 2012**

Prepared for:

Mojave Solar LLC
13911 Park Avenue, Suite 206
Victorville, California 92392

February 14, 2012

During construction of the Mojave Solar Project, monthly compliance reports will be provided to the California Energy Commission (CEC) in accordance with condition of certification COMPLIANCE-6 of the License Decision, docket number 09-AFC-5C. This is the Monthly Compliance Report (MCR) for January 2012.

Grading, clearing and grubbing, and solar collector foundation installation continued during the month of January. Vegetation removal was initiated in most of the project areas that had not been previously cleared, including Beta West, which, with the completion of the agricultural mitigation requirement (LAND-1), was cleared for ground disturbing activities to begin. The purpose of the focused vegetation removal effort was to remove nesting bird habitat from the site prior to the beginning of the 2012 nesting season.

Hazardous materials abatement activities continued in January, and by the end of the month, all known asbestos-containing materials had been abated and/or removed from the site. All existing buildings had been demolished by the end of the month, as well as most of the miscellaneous cattle ranching facilities in Alpha West.

On the afternoon of Friday, January 28, 2012, several cultural resource artifacts were found in Beta East. The artifacts included 10 flakes, one bone fragment, and one tooth. The resources and the immediate area were flagged off and construction activities were diverted to another location while cultural resources staff consulted with the CEC and the Bureau of Land Management (BLM) were notified. The bone was eventually determined to be faunal—most likely tortoise—and the tooth was identified as belonging to a canid, possibly a dog or coyote.

After properly documenting the artifacts and consulting with the CEC and BLM, the project cultural resource professionals concluded that what once may have been a lithic scatter has been reduced to a collection of isolates with no further research potential. Thus the site has been released for construction activities to resume. Additional details can be found in Appendix C of this report.

The following table provides a summary of all area covered in this report.

Mojave Solar Project Monthly Compliance Reporting January 2012	
<i>Condition of Certification (COC) Topics</i>	<i>Appendix</i>
Air Quality	See Appendix A
Biological Resources	See Appendix B
Cultural Resources	See Appendix C
Paleontological Resources	See Appendix D
Waste Management	See Appendix E
Worker Safety	See Appendix F
Soil and Water	See Appendix E
General Conditions	See Appendix E
Civil	See Appendix E
Structural	See Appendix E
Mechanical	NA
Electrical	NA
Transmission System Engineering	See Appendix E
Compliance Matrix	See Appendix G

APPENDIX A

**MOJAVE SOLAR PROJECT
MONTHLY COMPLIANCE REPORT FOR
AIR QUALITY RESOURCES
SAN BERNARDINO COUNTY, CALIFORNIA**

**Monthly Compliance Report #10
January 2012 Reporting Period**



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February 9, 2012

Dale Rundquist, CPM
(09-AFC-5C)
California Energy Commission
Siting, Transmission & Environment Protection (STEP) Division
1516 Ninth Street (MS-2000)
Sacramento, CA 95814
drundqui@energy.state.ca.us

RE: AQ-SC3, AQ-SC4, AQ-SC5, and WORKER SAFETY-8 monitoring and mitigation activities at Mojave Solar Project (MSP) for the period of January 1–31, 2012

Dear Mr. Rundquist:

On behalf of Mojave Solar LLC, AECOM conducted air quality construction monitoring at the Mojave Solar Project (MSP or project) site during January 2012 pursuant to the air quality (AQ) conditions detailed in the California Energy Commission's (CEC) Final Conditions of Certification (COCs) (Abengoa Mojave Solar Project Commission Decision, CEC-800-2010-008-CMF, DOCKET NUMBER 09-AFC-5 September 2010). Compliance with the WORKER SAFETY-8 condition was also monitored.

Construction activities occurred between January 1 and 31, 2012. The compliance monitoring was performed by Kristine Yates of AECOM from January 3 through 6 and January 24 through 31, 2012; she is an Air Quality Construction Mitigation Manager (AQCMM) Delegate for the MSP. During this period, Kristine Yates maintained contact with Greg Derevianko of AECOM, the AQCMM for the MSP. Mr. Derevianko performed the compliance monitoring from January 9 through 23.

OVERVIEW

New equipment continued to arrive in January, and grading activities continued through the entirety of the month as well as micropile and helical pier installation. Clearing and grubbing activities, demolition, and asbestos pipe removal were also performed. The equipment that arrived on-site was examined for compliance with COCs **AQ-SC5b** through **AQ-SC5d**, and issued tags pursuant to **AQ-SC5a**. Compliance was monitored per relevant **AQ-SC3**, **AQ-SC4**, and **WORKER SAFETY-8** conditions. A summary of the compliance with the AQCMP follows. Daily observation logs and other site inspection forms for **AQ-SC3**, **AQ-SC4**, **AQ-SC5**, and **WORKER SAFETY-8** are being maintained and are available upon request.

Finally, per **AQ-SC9**, the project owner contacted all residents within a quarter-mile of the project site fence line prior to the start of initial grading and offered to pay for temporary lodging when initial grading/site preparation earthmoving activities may occur within a quarter-mile of potentially affected residential properties. No requests from contacted residents to be relocated during these construction activities were received in the month of January 2012.

COMPLIANCE ASSESSMENT

AQ-SC3 Fugitive Dust Control

Most of the AQ-SC3 conditions have been put into effect for the month of January. The list below outlines the applicable conditions and level of compliance.

- **AQ-SC3a: Soil stabilizers on main access roads and delivery areas.**
 - Soil stabilizers were applied to several additional acres of finished grade in Alpha East.
 - Soil stabilizer has not yet been added to the access roads or staging areas in Beta or Alpha West.
- **AQ-SC3b: Watering of disturbed areas.**
 - Watering of actively disturbed areas was implemented for all earthmoving activities with the potential to create airborne dust plumes.
 - Watering was intensified when necessary, at the direction of the on-site AQ-CMM Delegate and Construction Manager in compliance with AQ-SC4.
- **AQ-SC3c: Speed limits.**
 - The required speed limit has been enforced.
- **AQ-SC3d: Speed limit signage.**
 - Speed limit signs have been installed at Project Site entrances.
- **AQ-SC3e: Tire washing when construction equipment exits to paved roadway.**
 - Tire wash stations have not been installed. However, all construction vehicles are inspected for mud and other sediment accumulation prior to exiting the job site.
- **AQ-SC3f: Tire washing station.**
 - Several construction vehicles traveled between Alpha East, Alpha West, and Beta East. The tires of these vehicles were cleared of debris prior to entering the public roadway; however, as noted above, a permanent tire washing station had yet to be installed.
- **AQ-SC3g: Unpaved exits must be treated.**
 - Gravel and grizzlies have been placed at the entrance gates in Alpha East and Alpha West. Entrances at Beta do not currently have treatments as they open onto a dirt road (Lockhart Rd) and pose little to no threat of tracking sediments onto Harper Lake Rd. However, sediments from Lockhart Rd are sometimes tracked out onto Harper Lake Rd and are cleaned up by the contractor prior to becoming an issue
- **AQ-SC3h: Only approved entrances.**
 - Construction vehicles are only using approved entrances when traveling between the sites.
- **AQ-SC3i: Run-off onto public roadways.**
 - Current earthmoving has resulted in run-off being directed away from public roadways.
 - Watering is not resulting in run-off onto the public roadway.
- **AQ-SC3j: Sweeping of paved roads within the construction site.**
 - There are no paved roads within the construction site.

- **AQ-SC3k: Sweeping of public paved roadways with access to the Project site.**
 - Sweeping of Harper Lake Road was required several times in January and occurred prior to the sediment track out becoming an issue for drivers or storm water runoff.
 - The project site experienced severe winds the weekend of January 21–22. Sand and soil had been blown onto Harper Lake Road from the area near the abandoned general store in Alpha West. The majority was swept from the road on January 23, and any remaining soil was vacuum removed January 24.
- **AQ-SC3l: Stabilize storage piles.**
 - All soil piles were excavation spoils and grading excesses placed temporarily on-site and distributed during subsequent grading prior to exceeding the 10-day limit for cover or treatment.
- **AQ-SC3m: Stabilization of transported solid bulk material.**
 - Clearing and grubbing spoils were removed from Alpha East, Alpha West, and Beta via tractor-trailer transport. The truck loads were inspected for stabilization prior to exiting the site
- **AQ-SC3n: Wind control techniques.**
 - No wind control techniques have been implemented. When wind gusts have exceeded the capacity of existing stabilization methods, construction was stopped and water was applied to the active working surfaces until sufficient stabilization was achieved to support construction activities.

AQ-SC4 Dust Plumes and WORKER SAFETY-8 Site Worker Fugitive Dust Protection

From January 1 through 31, the following construction activities were completed:

- Continued grading in Beta;
- Continued installing helical support piers and micro-piles in Alpha East;
- Completed removal of asbestos pipe from Alpha West;
- Continued clearing of desert brush from Alpha West and Beta;
- Removed additional tamarisk trees from Beta and Alpha West;
- Used a grinding machine to aid in hauling the organic material off-site;
- Finished removing hazardous materials from the existing buildings in Alpha East and Alpha West;
- Continued demolition of existing structures in Alpha East and Alpha West; and
- Continued clearing and mowing operations in Alpha East, Alpha West, and Beta.

Fugitive dust occurred sporadically throughout the month and was mitigated during the January 1–31 timeframe by slowing down on-site earthmoving equipment, application of water, and when necessary, increased application of water. Some of the visible dust did travel off-site and was within 400 feet of a regularly occupied structure. When this occurred, the contractor was asked to cease working in the vicinity of the house until wind speeds or the application of water would allow the construction vehicles to continue without violation. In addition, compliance monitors continued to use N95 dust masks in areas of localized airborne dust; however, this was not a daily occurrence. Open-cab equipment operators have occasionally had to wear dust masks.

The new staging areas and haul roads have not been stabilized with a soil binder. The contractor continues to apply water to these areas daily to mitigate fugitive dust. The construction entrance at Alpha East has been equipped with a grizzly rumble strip but requires additional treatment to the stone entrance pad. The entrance at Alpha West also has a grizzly rumble strip and a stone entrance pad. A truck tire wash station has not yet been installed and construction vehicles have made egress on and off the site. During these days, the tires were checked for soils buildup and swept clean if needed. The adjacent roadway did require broom sweeping several times this month.

AQ-SC5 Diesel-Fueled Engine Control

Attachment 1 to this letter provides a list of equipment that arrived on-site during the January 1–31, 2012, period. Attachment 1 can be consulted for equipment manufacturer, model, CARB EIN, engine model year, engine horsepower, and USEPA Tier level.

The list below outlines COCs **AQ-SC5a through AQ-SC5d** and level of compliance.

- **AQ-SC5a. Tags.** All equipment arriving between January 1 and 31, 2012, were issued visible tags.
- **AQ-SC5b. Tier 3 Engine Requirement.** All equipment arriving between January 1 and 31, 2012, had Tier 3 engines except those noted in Table 1 below (more detail in Attachment 1).
- **AQ-SC5c. Retrofit Control Termination.** No equipment has been brought to the site containing retrofit control.
- **AQ-SC5d. Maintenance Records.** Maintenance records for all vehicles are available upon request.

Condition AQ-SC5e states that “all diesel heavy construction equipment shall not remain running idle for more than five minutes.” This condition was met during the reporting period.

Condition AQ-SC5f requires construction equipment with electric motors when feasible. This was not feasible for the current earthmoving activities.

Table 1: Noncompliant Equipment

AQ Tag Number	Description	Engine Tier	Comment
AQ-74	CATERPILLAR CH-55 CHALLENGER, DY4B87, 225 hp	Tier 1 ^a	Equipment brought on-site December 23.
AQ-77	JOHN DEERE 310SJ, BACKHOE, 93 hp	Tier TBD	Equipment was dropped off by a subcontractor but has not been needed. Tier and EIN to be determined before permitted for use, if needed in the future.
AQ-81	CASE 580, BACKHOE, 2005, 95 hp	Tier 2	Letter of best efforts has been requested and will be provided within the month.
AQ-88	CASE 190, MOWER, 190 hp	Tier TBD	Used for only 5 days. It is believed to be below Tier 3 but was used for fewer than 10 days and is therefore exempt. It is currently waiting to be removed from the site.

^a The Caterpillar Challenger was brought on-site December 23, 2011, but AQCMM was not made aware until January 2012. The provider insisted the equipment is Tier 3. However, information registered with the California Air Resources Board indicated Tier 0. The AQCMM requested documentation proving Tier 3 status. On January 19, the AQCMM learned the equipment was indeed Tier 1. While the piece of equipment remains on-site, the AQCMM and Delegate have ensured its nonoperation and will continue to ensure so until removed. Between December 23 and January 19, the challenger was operated approximately 14 days.

CLOSING

If you have any questions or require further information, please call me at (805) 388-3775.

Sincerely,



Greg Derevianko
Project Scientist
AQCMM Delegate
gregory.derevianko@aecom.com

cc: Kristine Yates, PE, AECOM, AQCMM Delegate
Snigdha Mehta, AECOM, AQCMM Delegate

ATTACHMENT 1

CONSTRUCTION EQUIPMENT FOR MOJAVE SOLAR PROJECT

AQ #	Manufacturer	Model	EIN	Engine Year	Horse Power	RQ'D Tier	Actual Tier	Vehicle Type	DATE ARRIVED	DATE LEFT SITE
74	CATERPILLAR	CH55	DY4B87	1999	225	3	1	Challenger	12/23/2012	
75	CATERPILLAR	242B	KX8Y64	2006	52	3	3	Loader	1/5/2012	
76	JOHN DEERE	410J	BB3T68	2012	98	3	3	Tractor	1/5/2012	
77	JOHN DEERE	310SJ	TBD	TBD	93	3	TBD	Tractor	1/5/2012	
78	CATERPILLAR	325DL	JB4V37	2006	168	3	3	Excavator	1/3/2012	
79	CATERPILLAR	623	KN5B63	2010	350	3	3	Scraper	1/9/2012	
80	SKYTRAK	8042	HY9R57	2008	110	3	3	Forklift	1/23/2012	
81	CASE	580	JK9G58	2005	95	3	2	Backhoe	1/23/2012	
82	CATERPILLAR	16G	HK8W79	2009	298	3	3	Grader	1/24/2012	
83	NEW HOLLAND	T9050S	LM6V69	2008	489	3	3	Backhoe	1/24/2012	
84	CATERPILLAR	657E	EL5J96	2007	400	3	3	Scraper	1/24/2012	
85	CATERPILLAR	657E	SN7K59	2007	600	3	3	Scraper	1/25/2012	
86	CATERPILLAR	657E	HS7K88	2006	400	3	3	Scraper	1/25/2012	
87	CATERPILLAR	657E	TK5Y99	2006	550	3	3	Scraper	1/25/2012	
88	CASE	190	TBD	TBD	190	3	TBD	Mower	1/26/2012	
89	PERKINS	TL943	SF9D34	2011	99.9	3	3	Forklift	1/27/2012	
90	CATERPILLAR	963C	DU3U57	2006	174	3	3	Backhoe	1/28/2012	

APPENDIX B

**MOJAVE SOLAR PROJECT
MONTHLY COMPLIANCE REPORT FOR
BIOLOGICAL RESOURCES
SAN BERNARDINO COUNTY, CALIFORNIA**

**Monthly Compliance Report #10
January 2012 Reporting Period**



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February 13, 2012

Mr. Dale Rundquist, CPM
(09-AFC-5C)
California Energy Commission
Siting, Transmission & Environmental Protection (STEP) Division
1516 Ninth Street (MS-2000)
Sacramento, CA 95814

RE: Monthly Compliance Report for Biological Resources for the Mojave Solar Project (MSP) for January 2012

Dear Mr. Rundquist:

This letter is to provide the status on compliance activities for biological resources for the Mojave Solar Project (MSP) in January 2012. Attached you will find the January Monthly Compliance Report for Biological Resources (MCR for Biology) that describes the project's compliance with the following Conditions of Certification for biological resources:

- BIO-1: Designated Biologist Selection
- BIO-2: Designated Biologist Duties
- BIO-3: Biological Monitor Selection, Qualifications, and Duties
- BIO-4: Designated Biologist and Biological Monitor Authority
- BIO-5: Worker Environmental Awareness Program (WEAP)
- BIO-6: Biological Resource Mitigation Implementation and Monitoring Plan (BRMIMP) Development and Compliance
- BIO-7: Impact Avoidance and Minimization Measures
- BIO-11: Desert Tortoise (DT) Exclusion Fencing, Clearance Surveys and Translocation Plan
- BIO-14: American Badger and Desert Kit Fox Impact Avoidance and Minimization Measures
- BIO-21: USFWS Biological Opinion

During the month of January 2012, six compliance activities occurred on the MSP site:

- 1) WEAP training occurred on 15 days with 52 owner contractors and sub-contractors attending;
- 2) Pre-construction clearance surveys for American badger and desert kit fox;
- 3) Biological monitoring for construction activities;
- 4) Desert tortoise exclusion fence inspections and maintenance;

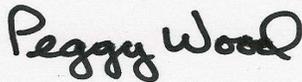
Mr. Dale Rundquist, CPM
California Energy Commission
February 13, 2012
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- 5) Kit fox monitoring and exclusionary activities;
- 6) DT surveys along Lockhart Road; and,
- 7) Raven monitoring and sightings.

The attached MCR describes the above activities during January 2012.

Should you have any questions, please contact myself or Ron Walker at AECOM.

Sincerely,

A handwritten signature in black ink that reads "Peggy Wood". The signature is written in a cursive, slightly slanted style.

Peggy Wood
Designated Biologist

**MOJAVE SOLAR PROJECT
MONTHLY COMPLIANCE REPORT FOR
BIOLOGICAL RESOURCES
SAN BERNARDINO COUNTY, CALIFORNIA**



**Monthly Compliance Report #10
January 2012 Reporting Period**

Prepared for:

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February 2012

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INTRODUCTION

On behalf of Mojave Solar LLC, AECOM and Designated Biologist Peggy Wood conducted biological monitoring for construction activities; pre-construction surveys for desert kit fox (*Vulpes macrotis*) and American badger (*Taxidea taxus*), including American badger exclusion activities; and pre-construction surveys in areas where future ground-disturbing activities were planned for the Mojave Solar Project (MSP or Project). Also, desert tortoise (*Gopherus agassizi*) (DT) surveys were conducted in areas outside of the desert tortoise exclusion fence. These surveys supported the removal of tamarisk trees and atriplex shrubs along Lockhart Road. Worker Environmental Awareness Program (WEAP) training was provided on January 3, 9, 11, 12, 13, 17, 18, 19, 20, 23, 24, 25, 26, 27, and 31, 2012, to 52 construction workers and construction sub-contractors. Peggy Wood continued weekly inspection and maintenance of the DT exclusion fence. DT fence inspection is an ongoing task for the MSP.

This Monthly Compliance Report (MCR) documents WEAP training, biological monitoring of construction activities, American badger exclusion activities, desert kit fox and American badger pre-construction clearance surveys, DT surveys, and ongoing DT fence integrity inspections. These activities were conducted January 1 through January 31, 2012, as required by the following:

- WEAP trainings (BIO-5)
- Impact avoidance and minimization measures (BIO-7)
- Desert tortoise exclusion fencing, clearance surveys, and translocation plan (BIO-11)
- American badger and desert kit fox impact avoidance and minimization measures (BIO-14)

WEAP training, biological monitoring, desert kit fox and American badger pre-construction clearance surveys (including exclusion activities), and DT fence inspections are being conducted in compliance with the following agency approvals and permits issued for the Project:

- California Energy Commission's (CEC) Final Conditions of Certification (COCs), BIO-1 through BIO-21 (Abengoa Mojave Solar Project Commission Decision, CEC-800-2010-008-CMF, DOCKET NUMBER 09-AFC-5 September 2010)
- U.S. Fish and Wildlife Service (USFWS) Section 7 Biological Opinion (BO) for the Mojave Solar Project No. 8-8-11-F-3 (March 17, 2011)

-
- Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP) for the Mojave Solar Project (March 2011) and appended Compliance Plans

The following measures are being implemented to protect the sensitive species, such as kit fox and American badger, known to occur within the MSP:

- American badger and desert kit fox impact avoidance and minimization measures (BIO-14)
- Impact avoidance and minimization measures (BIO-7)

PROJECT LOCATION AND DESCRIPTION

The proposed Project is located approximately 15 miles northwest of Barstow, California, and approximately 9 miles northwest of Hinkley, California (Figure 1; all figures can be found in Attachment 1). The Project is situated near the southwest corner of Harper Dry Lake, an ephemeral alkali lake bed in the southern section of the Lockhart U.S. Geological Survey (USGS) quadrangle and the northern section of the Twelve Gauge Lake USGS quadrangle. The Project is generally northeast of the intersection of Santa Fe Avenue with Harper Lake Road. The extent of the Project site is approximately 1,765 acres and consists of contiguous parcels of private property.

The Project is a commercial solar thermal power facility that will use parabolic trough technology to produce electrical power. This will be accomplished using a steam turbine generator fed from a solar steam generator (SSG). SSGs receive heat transfer fluid from solar thermal equipment composed of arrays of parabolic mirrors that collect energy from the sun. When fully constructed, the Project will have a combined nominal electrical output of 250 megawatts (MW) from twin 125-MW power blocks. The power blocks will be joined to a transmission line to form one full-output transmission interconnection.

The Project is divided into three sections based on the units that are being fenced in for DT exclusion (Figure 2):

- Alpha West occurs to the west of Harper Lake Road and north of Lockhart Road
- Alpha East occurs to the east of Harper Lake Road and north of Lockhart Road
- Beta occurs to the east of Harper Lake Road and south of Lockhart Road

MONITORED MITIGATION MEASURES AND PERMIT CONDITIONS

Biological mitigation measures for the MSP were developed through consultation with CEC, the California Department of Fish and Game (CDFG), and USFWS. Biological mitigation measures and permit conditions were implemented under the guidance and direction of the Project's Designated Biologist (DB), with assistance from approved Biological Monitors (BMs), as required.

During January 2012, Project activities were monitored to determine compliance with the COCs that apply to pre-construction and construction activities. These COCs are as follows:

- BIO-1: Designated Biologist Selection
- BIO-2: Designated Biologist Duties
- BIO-3: Biological Monitor Selection, Qualifications, and Duties
- BIO-4: Designated Biologist and Biological Monitor Authority
- BIO-5: Worker Environmental Awareness Program (WEAP)
- BIO-6: Biological Resource Mitigation Implementation and Monitoring Plan (BRMIMP) Development and Compliance
- BIO-7: Impact Avoidance and Minimization Measures
- BIO-11: Desert Tortoise Exclusion Fencing, Clearance Surveys, and Translocation Plan
- BIO-14: American Badger and Desert Kit Fox Impact Avoidance and Minimization Measures
- BIO-18: Raven Monitoring, Management, and Control
- BIO-21: USFWS Biological Opinion

SUMMARY OF ACTIVITIES

Activities during January included WEAP trainings, pre-construction clearance surveys for American badger and kit fox, DT surveys, American badger monitoring and exclusion activities, and DT fence weekly inspections. In addition, biological compliance monitoring for construction activities occurred on a daily basis throughout January. Biological compliance monitoring was conducted by the Project's DB, Peggy Wood, and other approved BMs. A list of the approved DB, alternate DBs, and BMs is included in Attachment 2. The activities conducted in January 2012 are described below and documented in Table 1. Table 1 is organized by the biological compliance activity and specific location within the MSP (Alpha West, Alpha East, and/or Beta).

Table 1
Summary of WEAP Training, Pre-Construction Clearance Surveys, DT Fence Inspection,
and Kit Fox Exclusion/Monitoring, January 2012

Biological Monitoring Activity	Location within MSP	Relevant California Energy Commission Conditions of Certification	Construction/Survey Activity	Start Date	End Date	Monitor(s)	Special-Status Species Observed	Notes on Observations
Worker Environmental Awareness Program (WEAP) Training	Alpha East, Alpha West, Beta	BIO-5	General construction activities.	01/03/2012	01/31/2012	Peggy Wood	N/A	WEAP training occurred on January 3, 9, 11, 12, 13, 17, 18, 19, 20, 23, 24, 25, 26, 27, and 31, 2011. In total, 52 contractors and sub-contractors were trained.
Biological Monitoring of Construction Activities	Alpha East, Alpha West, Beta	BIO-7	Construction of west to east drainage channel. Cut and fill activities in Alpha East and eastern portion of Beta. Clearing and grubbing in Alpha West, mowing in the eastern portion of Beta. Demolition of old farm infrastructure in Alpha West, and underground asbestos pipe removal.	01/01/2012	01/31/2012	Ron Walker, Tsegaye Mengistu, Peggy Wood, Ray Romero, Brennan Mulrooney, Julie Roth, Holly Hill, Andrew Fisher, Joseph Huang, Matt Kedziora	American Badger observed by motion cameras in eastern portion of Beta.	Biological monitoring of construction activities occurred where there was a potential threat to soil, wildlife, and/or vegetation. Recent diggings prompted setting up motion-detection cameras in eastern portion of Beta. Cameras detected American badger, kit fox, and coyote around freshly dug burrows in eastern portion of Beta.
DT Exclusion Fence Inspection and Maintenance	Alpha West, Alpha East, Beta	BIO-11	Weekly inspection of the integrity of the DT exclusion fence.	01/04/2012 01/11/2012 01/13/2012 01/18/2012 01/19/2012 01/23/2012	01/04/2012 01/11/2012 01/13/2012 01/18/2012 01/19/2012 01/23/2012	Peggy Wood, Holly Hill	None	During January, four DT exclusion fence inspections (some inspections occurred over a 2-day period) were conducted. No

Biological Monitoring Activity	Location within MSP	Relevant California Energy Commission Conditions of Certification	Construction/Survey Activity	Start Date	End Date	Monitor(s)	Special-Status Species Observed	Notes on Observations
								breeches or vandalism was identified or reported.
Pre-Construction Clearance Surveys for American Badger and Kit Fox	Eastern portion of Beta	BIO-14	General construction activities.	12/30/2011	01/06/2011	Peggy Wood, Holly Hill	None	Prior to beginning construction activities, pre-construction clearance surveys were conducted for American badger and kit fox. Surveys were conducted covering a 250-foot radius around proposed construction areas. Fresh diggings discovered in the eastern portion of Beta prompted the setup of motion-detection cameras. Cameras revealed the presence of American badger, kit fox, and coyote. When no animals were detected after 5 days, burrows were excavated and collapsed. No direct impacts occurred to either American Badger or desert kit fox.
Kit Fox Monitoring and Exclusion Activities	Alpha East, Alpha West	BIO-14	Pre-construction surveys for proposed construction activities to occur in Alpha East and Alpha West.	01/03/2012	01/31/2012	Peggy Wood	Kit fox	Ongoing monitoring of potentially active or active kit fox burrows to determine frequency and pattern of use. Burrows determined not active were collapsed pursuant to methods

Biological Monitoring Activity	Location within MSP	Relevant California Energy Commission Conditions of Certification	Construction/Survey Activity	Start Date	End Date	Monitor(s)	Special-Status Species Observed	Notes on Observations
								detailed in the COCs, and burrows that showed recent activity were delineated with an approximate 250-foot no-disturbance buffer zone. During January, there were no active kit fox burrows discovered; therefore, during January, there were no kit fox exclusionary activities conducted.
Raven Monitoring and Sightings	Alpha West, Alpha East, Beta	BIO-18	Construction activities, clearing and grubbing.	01/03/2012	01/31/2012	Ron Walker, Tsegaye Mengistu, Peggy Wood, Ray Romero, Brennan Mulrooney, Julie Roth, Holly Hill, Andrew Fisher, Joseph Huang, Matt Kedziora	None	During December, ravens were observed on 22 days either flying, perching, or on the ground in Alpha West, Alpha East, and/or Beta.
Desert Tortoise Surveys	Beta	BIO-11	Clearing and grubbing, removing potential bird nesting habitat.	01/05/2012 01/24/2012 01/25/2012 0126/2012	01/05/2012 01/24/2012 01/25/2012 0126/2012	Peggy Wood	None	DT surveys did not detect the presence or sign of DT within survey areas along Lockhart Road where potential bird nesting habitat was removed.

Worker Environmental Awareness Program (WEAP) BIO-5

BIO-5 requires all new employees/field staff reporting to the site to receive WEAP training prior to the start of work. During January, 52 workers associated with construction or engineering received WEAP training. Attachment 3 includes signed training acknowledgement forms for January. Per BIO-5, these forms will be kept on file by the Project owner for at least 6 months after the start of commercial operation. Table 2 provides a running tally of the WEAP trainings and attendance to date.

Table 2
WEAP Training Attendance Summary

Month Training Conducted	Monthly Total of WEAP Attendees*
March 2011	50
April 2011	9
May 2011	18
June 2011	2
July 2011	27
August 2011	63
September 2011	82
October 2011	75
November 2011	41
December 2011	68
January 2012	52
Total	487

*Attendance totals are based on sign-in sheets received through January 31, 2012.

Biological Construction Monitoring BIO-7

Biological construction monitoring occurred where construction activities posed a potential threat to soil, vegetation, and/or wildlife (BIO-7). For this report, biological monitoring occurred from January 3 through January 31, excluding weekends when no construction activities happened. The majority of construction activities consisted of demolition activities, clearing and grubbing, mowing, removal of below-ground asbestos pipe, tamarisk and brush removal, installation of helicals (solar mirror supports), cut and fill (scrapers) and grading, and application of soil stabilizer.

Construction activities occurred in Alpha West, Alpha East, and Beta, with the majority of the activity concentrated in eastern portion of Beta. As the month proceeded, construction activities within the eastern portion of Beta moved to the east, reaching the southeastern border of the Project area.

Three to four BMs and the DB were on-site to conduct monitoring activities at all times. The following provides a summary of the monitoring activities (derived from the datasheets), including sensitive species sightings, road kill surveys, and wildlife injuries and mortalities. All datasheets are included in Attachment 4. (Note that AECOM is transitioning to electronic data collection to improve data collection and storage. This will also improve the ability to easily aggregate all the data collected during monitoring compared to using hard-copy datasheets. We anticipate that all monitors will transition to electronic data collection in February 2012.)

Sensitive Species Observations

During January, motion-detection cameras in the eastern portion of Beta captured photographs of American badger and kit fox at areas where there were freshly excavated burrows (Table 3). There was one photograph that detected kit fox, American badger, and coyote all within the same field of view.

After it was determined that kit fox and badger were not present in the burrows (3 or more consecutive nights of photographs without sensitive species present), the burrows were collapsed (hand dug). There was no kit fox or badger observed during the hand digging.

Table 3
Sensitive Species Sightings During January

Species	Date(s)	Location	Number	COC
Kit fox and American badger	01/19/2011	Eastern portion of Beta	1	BIO-14
	01/20/2012		1	
	01/23/2012			
Total Kit Fox and American Badger Sightings			2	

Wildlife Injuries and Mortalities

During January, there were 36 wildlife mortalities recorded (per BIO-7) that were associated with clearing and grubbing activities. The reported number of living wildlife species that were relocated to areas of non-disturbance exceeded the number of reported wildlife mortalities found and buried. Table 4 shows wildlife injuries and mortalities observed during January. Wildlife killed were removed from the Project area and buried.

Table 4
Wildlife Injury/Mortality Observed During January Biological Monitoring Activities

Date(s)	Location	Species	Injury/Mortality	Number
01/06/2012	Beta	Coachwhip snake	Mortality	1
01/10/2012	Beta	Cottontail rabbit	Mortality	1
01/11/2012	Alpha West	White-tailed antelope ground squirrel	Mortality	1
01/12/2012	Alpha West	White-tailed antelope ground squirrel	Mortality	2
01/12/2012	Alpha West	Kangaroo rat	Mortality	2
01/12/2012	Alpha West	Pocket mouse	Mortality	1
01/13/2012	Alpha West	White-tailed antelope ground squirrel	Mortality	1
01/17/2012	Beta	Kangaroo rat	Mortality	2
01/17/2012	Alpha West	White-tailed antelope ground squirrel	Mortality	1
01/18/2012	Beta	Kangaroo rat	Mortality	1
01/19/2012	Beta	Kangaroo rat	Mortality	1
01/19/2012	Beta	Side blotched lizard	Mortality	1
01/23/2012	Beta	Gopher snake	Mortality	1
01/25/2012	Alpha East	Cottontail	Mortality	1
01/25/2012	Alpha East	Kangaroo rat	Mortality	1
01/25/2012	Alpha East	Jackrabbit	Mortality	1
01/25/2012	Beta	Pocket mouse	Mortality	1
01/25/2012	Beta	Kangaroo rat	Mortality	1
01/25/2012	Beta	Kangaroo rat	Mortality	1
01/25/2012	Beta	Mojave green rattlesnake	Mortality	1
01/26/2012	Alpha East	Kangaroo rat	Mortality	3
01/26/2012	Alpha East	Pocket mouse	Mortality	2
01/27/2012	Beat	Kangaroo rat	Mortality	1
01/28/2012	Beta	Cottontail	Mortality	2
01/28/2012	Beta	Kangaroo rat	Mortality	1
01/28/2012	Beta	Pocket mouse	Mortality	1
01/30/2012	Lockhart Road	White-tailed antelope ground squirrel	Mortality	2
01/31/2012	Beta	Pocket mouse	Mortality	1

In addition, surveys along Harper Lake Road (BIO-7, Section 8) revealed the presence of two wildlife mortality (road kill). It is unknown whether the road mortality was a result of traffic associated with the MSP; however, it was reported by Project personnel. Table 5 reports results of road kill discovery.

Table 5
Road Kill Survey Results for January

Date(s)	Location	Species	Number
01/06/2012	Harper Lake Road	Black-tailed jackrabbit	1
01/26/2012	Harper Lake Road	Black-tailed jackrabbit	1

Pre-Construction Clearance Surveys, BIO-11 and BIO-14

Prior to conducting ground-disturbing activities, the DB and BMs examined the proposed construction sites for any special-status species that could occur in Alpha West, Alpha East, and Beta; specifically, the biologists surveyed for kit fox and American badger. The majority of the areas surveyed supported undisturbed desert saltbush scrub, disturbed desert saltbush scrub, disturbed desert saltbush scrub re-growth, fallow agricultural-saltbush scrub re-growth, and areas dominated by Russian thistle (*Salsola kali*). Most of these areas supported a dominance of low-growing forbs and grasses such as red-stem filaree (*Erodium cicutarium*) and Mediterranean grass (*Schismus arabicus*). Most of these low-growth areas have a recent history of supporting agricultural crops, mostly alfalfa. One kit fox and American badger were detected by motion-detection cameras in Beta. No other special-status species were observed during pre-construction surveys.

Once proposed construction sites were cleared after completion of surveys, the DB and BMs continued monitoring all construction activities, as described above. Construction activities were monitored by biologists, archeological and cultural specialists, Native American monitors, and a paleontologist (when excavation occurred deeper than 3 feet).

Table 1 is a summary of WEAP training, biological monitoring, DT fence inspections, pre-construction surveys, DT surveys, kit fox monitoring and exclusionary activities, and raven sightings conducted during January. The datasheets for the aforementioned activities are in Attachment 4. In addition, separate reports summarizing results of clearance survey activities are being submitted under separate cover.

Desert Tortoise Exclusion Fence Inspections, BIO-11

In compliance with COC BIO-11, the DT exclusion fence was inspected on January 4, 18, 19, and 23, 2012. The DT fence line was inspected by Peggy Wood (DB). The fence line was inspected by walking and driving, thereby accomplishing 100% visual coverage. There were no observations of vandalism or other breaches to the DT fence in January. Information on fence checks is included in the datasheets in Attachment 4.

Desert Tortoise Surveys, BIO-11

To eliminate potential avian nesting habitat, (i.e., loggerhead shrike (*Lanius ludovicianus*), Le Conte's thrasher (*Toxostoma lecontei*), sage sparrow (*Amphispiza belli*), tamarisk trees and low-growth shrubs were removed along Lockhart Road. However, it was determined that DT surveys

needed to be conducted prior to the removal of the vegetation. Since the removal of vegetation was planned outside of the active season for DT, a variance was prepared requesting that surveys be approved outside of the active season. The variance was submitted concurrently to CEC and USFWS; both agencies approved that the surveys could be conducted outside of the active season. The surveys were conducted on January 5, 25, 26, and 27; the surveys did not reveal the presence of DT or any sign indicating their presence.

Kit Fox Monitoring and Exclusionary Measures, BIO-14

In compliance with COC BIO-14, kit fox clearance surveys were conducted in Beta and Alpha West prior to construction clearing and grading. Kit fox burrows classified as active or potentially active were monitored using motion-detection cameras. Potentially active burrows that had no sign of recent activity over a 3-day or longer period were collapsed. Motion-detection cameras were placed near five freshly dug burrows in Beta. One site showed kit fox, coyote, and American badger visiting the burrow but not entering the hole. This burrow was completely hand dug out; no kit fox or American badger was present. The other burrows where American badger were detected visiting through the camera were also completely dug out; no badgers were detected.

No direct impacts to kit fox or badgers were identified or recorded as a result of passive hazing or digging out of burrows. One datasheet for kit fox clearance surveys and monitoring is included in Attachment 4. American badger exclusionary activities were conducted in the eastern portion of Beta on January 24 and 25 by Peggy Wood.

Common Raven Monitoring, Management, and Control, BIO-18

During January, per BIO-18, the number and activity of ravens on-site were documented on field datasheets during daily construction monitoring. During January, there were 646 raven sightings within the Project's boundaries, although individuals could have been counted multiple times, as it is not possible to distinguish individual sightings from multiple sightings (i.e., a single individual could be observed/recorded on the eastern side of the Project site and then again on the western side of the Project site by another monitor after it flies over the area). A summary of the findings is in Table 6.

Table 6
Raven Observations During January Biological Monitoring Activities

Date(s)	Location	Number of Ravens Observed	Activity Observed
01/03/2012	Alpha West and Beta	19	Flying; on ground
01/04/2012	Alpha West and Beta	16	Flying
01/05/2012	Alpha East and Beta	24	Flying; on ground
01/06/2012	Alpha West, Alpha East, and Beta	18	Flying
01/09/2012	Alpha East, Alpha West, and Beta	46	Flying, on ground
01/10/2012	Alpha East, Alpha West, and Beta	27	Flying
01/11/2012	Alpha West and Beta	28	Flying; on ground
01/12/2012	Alpha West and Beta	26	Flying; on ground
01/13/2012	Alpha West and Beta	18	Flying
01/16/2012	Beta	3	Flying
01/17/2012	Alpha West and Beta	29	Flying
01/18/2012	Alpha East, Alpha West, and Beta	51	Flying;
01/19/2012	Alpha West and Beta	58	Flying; on ground
01/20/2012	Alpha West and Beta	65	Flying; on ground
01/23/2012	Beta	72	Flying; on ground
01/24/2012	Alpha West and Alpha East	52	Flying; on ground
01/25/2012	Alpha East, Alpha West, and Beta	64	Flying; on ground
01/26/2012	Alpha East and Beta	39	Flying
01/27/2012	Alpha West and Beta	48	Flying
01/28/2012	Beta	18	Flying
01/30/2012	Alpha West, Alpha East, and Beta	63	Flying; on ground
01/31/2012	Alpha West, Alpha East, and Beta	62	Flying, on ground

SUMMARY OF COMPLIANCE

For January, there were no notifications or other biologically related non-compliance incidents reported by the DB. Table 7 describes the current compliance status (e.g., complete, ongoing, or not started) for the 21 biologically related COCs. Photos are included in Attachment 8.

FUTURE ACTIVITIES

During February, MSP activities are scheduled to include WEAP training; site grading, mowing, clearing, and grubbing; hazardous materials removal; removal of Southern California Edison (SCE) power poles; demolition of existing structures; application of soil stabilizer; installation of helicals (supports for solar mirrors); de-commissioning of existing wells and construction of new wells in Beta and Alpha East; and ongoing surveying to detect any new sensitive species activity. It is expected that the DB and BMs will be on-site for these activities. In addition, the appropriate biological clearance surveys and monitoring will be conducted for these activities in accordance with the biological COCs.

Table 7
Compliance Status of Biology Conditions of Certification as of January 31, 2011

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-1	<p>DESIGNATED BIOLOGIST SELECTION AND QUALIFICATION: The project owner shall assign a Designated Biologist to the project. The project owner shall submit the resume of the proposed Designated Biologist, with at least three references and contact information, to the California Energy Commission Compliance Project Manager (CPM), California Department of Fish and Game (CDFG), and U.S. Fish and Wildlife Service (USFWS) for approval. The Designated Biologist must meet the following minimum qualifications:</p> <ol style="list-style-type: none"> 1. Bachelor’s Degree in biological sciences, zoology, botany, ecology, or a closely related field; and 2. Three years of experience in field biology or current certification of a nationally recognized biological society, such as The Ecological Society of America or The Wildlife Society; 3. At least one year of field experience with biological resources found in or near the project area; 4. Meet current USFWS Authorized Biologist criteria 32 and demonstrate familiarity with protocols and guidelines for the desert tortoise; and 5. Possess a recovery permit for desert tortoise and a California ESA Memorandum of Understanding pursuant to Section 2081(a) for desert tortoise and Mohave ground squirrel or have adequate experience and qualifications to obtain these authorizations. It is possible that two biologists may be utilized – each with an MOU for desert tortoise or MGS. <p>In lieu of the above requirements, the resume shall demonstrate to the satisfaction of the CPM, that the proposed Designated Biologist or alternate has the appropriate training and background to effectively implement the conditions of certification.</p>	<p>The project owner shall submit the specified information at least 60 days prior to the start of any pre-construction site mobilization. The CPM, CDFG, and USFWS have 30 days to approve or deny proposed Designated Biologist(s). No site or related facility activities shall commence until an approved Designated Biologist is available to be on site. If a Designated Biologist needs to be replaced, the specified information of the proposed replacement must be submitted to the CPM at least 10 working days prior to the termination or release of the preceding Designated Biologist. In an emergency, the project owner shall immediately notify the CPM to discuss the qualifications and approval of a short-term replacement while a permanent Designated Biologist is proposed to the CPM for consideration.</p>	Project Owner	At least 60 days prior to start of any pre-construction site mobilization.	Complete.	None.

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-2	<p>DESIGNATED BIOLOGIST DUTIES: The project owner shall ensure that the Designated Biologist performs the following during any site-related or facility activities. The Designated Biologist may be assisted by the approved Biological Monitors but remains the contact for project owner and the CPM.</p> <ol style="list-style-type: none"> 1. Advise the project owner's Construction and Operation Managers on the implementation of the biological resources conditions of certification; 2. Consult on the preparation of the Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP), to be submitted by the project owner; 3. Be available to supervise, conduct and coordinate mitigation, monitoring, and other biological resources compliance efforts, particularly in areas requiring avoidance or containing sensitive biological resources, such as special status species or their habitat; 4. Halt any and all activities in any area when determined that there would be an unauthorized adverse impact to biological resources if the activities continued or a violation of federal or state environmental laws or a violation of any environmental agreements/conditions made between the applicant and the CPM and/or the regulatory agencies; 5. Clearly mark sensitive biological resource areas, if present and inspect these areas at appropriate intervals for compliance with regulatory terms and conditions; 6. Inspect active construction areas where animals may have become trapped prior to construction commencing each day. At the end of the day, inspect for the installation of structures that prevent entrapment or allow escape during periods of construction inactivity. Periodically inspect areas with high vehicle activity (i.e., parking lots) for animals in harm's way; 7. Notify the project owner and the CPM of any non-compliance with any biological resources condition of certification; 8. Respond directly to inquiries of the CPM regarding biological resource issues; 	<p>The Designated Biologist shall submit in the Monthly Compliance Report to the CPM copies of all written reports and summaries that document biological resource compliance activities, including those conducted by Biological Monitors. If actions may affect biological resources during operation, a Designated Biologist or Biological Monitor under the supervision of the Designated Biologist shall be available for monitoring and reporting. During project operation, the Designated Biologist shall submit record summaries in the Annual Compliance Report unless their duties are ceased as approved by the CPM. Monthly and Annual Compliance Reports shall be also be submitted to CDFG and USFWS.</p>	Project Owner & Designated Biologist	<p>During construction, include in MCR. During operations, summaries included in the ACR.</p>	Ongoing.	None.

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-2 (cont.)	9. Maintain written records of the tasks specified above and those included in the BRMIMP. Summaries of these records shall be submitted in the Monthly Compliance Report and the Annual Report; and 10. Train the Biological Monitors as appropriate, and ensure their familiarity with the BRMIMP, Worker Environmental Awareness Program (WEAP) training and all permits.					
BIO-3	BIOLOGICAL MONITOR SELECTION, QUALIFICATIONS, & DUTIES: The project owner's CPM-approved Designated Biologist shall submit the resume, and at least three references and contact information, of the proposed Biological Monitors to the CPM, CDFG, and USFWS for approval. The resume shall demonstrate to the satisfaction of the CPM, the appropriate education and experience to accomplish the assigned biological resource tasks, including: <ul style="list-style-type: none"> • Biological Monitor(s) involved in any aspect of desert tortoise surveys or handling must meet the criteria to be considered a USFWS Authorized Biologist and demonstrate familiarity with the most recent protocols and guidelines for the desert tortoise. • Biological Monitor(s) involved in any aspect of Mohave ground squirrel surveys or handling must possess a California ESA Memorandum of Understanding pursuant to Section 2081(a) for Mohave ground squirrel or have adequate experience and qualifications to obtain this authorizations. • Biological Monitor(s) training by the Designated Biologist shall include familiarity with the conditions of certification and the Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP), Worker Environmental Awareness Program (WEAP), and all permits. • The Biological Monitors shall assist the Designated Biologist in conducting surveys and in monitoring of site mobilization activities, construction-related ground disturbance, grading, boring or trenching. The Designated Biologist shall remain the contact for the Project Owner, BLM's Authorized Officer and the CPM. 	The project owner shall submit the specified information to the CPM, CDFG, and USFWS for approval at least 60 days prior to the start of any pre-construction site mobilization, and concurrent with the submittal of information required for the Designated Biologist approval process outlined in BIO-1. The CPM, CDFG, and USFWS have 30 days to approve or deny proposed Biological Monitor(s). The Designated Biologist shall submit a written statement to the CPM confirming that the individual Biological Monitor(s) have been trained including the date when training was completed. If additional biological monitors are needed during construction, the specified information shall be submitted to the CPM for approval 10 days prior to their first day of monitoring activities.	Project Owner	At least 60 days prior to start of any pre-construction site mobilization.	Ongoing.	None.

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-4	<p>DESIGNATED BIOLOGIST AND BIOLOGICAL MONITOR AUTHORITY: The project owner's Construction/Operation Manager shall act on the advice of the Designated Biologist and Biological Monitor(s) to ensure conformance with the biological resources COCs. If required by the Designated Biologist and Biological Monitor(s), project owner's construction/operation manager shall halt all site mobilization, ground disturbance, grading, boring, trenching, and operation activities in areas specified by the Designated Biologist. The Designated Biologist shall:</p> <ol style="list-style-type: none"> Halt any and all activities in any area when determined that there would be an unauthorized adverse impact to biological resources if the activities continued or a violation of federal or state environmental laws or a violation of any environmental agreements/conditions made between the applicant and the CPM and/or the regulatory agencies; Inform the project owner and the Construction/Operation Manager when to resume activities; and Notify the CPM if there is a halt of any activities, and advise the CPM of any corrective actions that have been taken, or will be instituted, as a result of the work stoppage. If the Designated Biologist is unavailable for direct consultation, the Biological Monitor shall act on behalf of the Designated Biologist. It is expected that the Designated Biologist will be onsite during construction or otherwise available by phone. 	The project owner shall ensure that the Designated Biologist or Biological Monitor notifies the CPM immediately (and no later than the following morning of the incident, or Monday morning in the case of a weekend) of any non-compliance or a halt of any site mobilization, ground disturbance, grading, construction, and operation activities. The project owner shall notify the CPM of the circumstances and actions being taken to resolve the problem. Whenever corrective action is taken by the project owner, a determination of success or failure will be made by the CPM within five working days after receipt of notice that corrective action is completed, or the project owner will be notified by the CPM that coordination with other agencies will require additional time before a determination can be made.	Project Owner, Designated Biologist, or Biological Monitor	As-needed. Immediate notification and no later than the morning following the incident, or Monday morning in the case of a weekend.	Ongoing.	No notifications issued during January 2012.
BIO-5	WEAP: The project owner shall develop and implement a CPM-approved WEAP in which each of its employees, as well as employees of contractors and subcontractors who work on the project site or any related facilities during site mobilization, ground disturbance, grading, construction, operation, and closure are informed about sensitive biological	At least 45 days prior to the start of any pre-construction site mobilization, the project owner shall provide to the CPM the proposed WEAP	Project Owner & Designated Biologist	Precon: At least 45 days prior to any pre-construction site mobilization. Construction, Operations, and	Ongoing.	The WEAP was finalized in March 2011. A total of 52 WEAP trainings occurred during January 2012.

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-5 (cont.)	<p>resources associated with the project. The WEAP must:</p> <ol style="list-style-type: none"> 1. Be developed by or in consultation with the Designated Biologist and consist of an onsite or training center presentation in which supporting written material and electronic media is made available to all participants; 2. Discuss the locations and types of sensitive biological resources on the project site and adjacent areas, if present; 3. Present the reasons for protecting these resources; 4. Present the meaning of various temporary and permanent habitat protection measures as necessary; 5. Discuss penalties for violation of applicable LORS (e.g., federal and state endangered species acts); 6. Identify whom to contact if there are further comments and questions about the material discussed in the program; and 7. Include a training acknowledgment form to be signed by each worker indicating that they received training and shall abide by the guidelines. <p>The specific program can be administered by a competent individual(s) acceptable to the Designated Biologist.</p>	<p>and all supporting written materials and electronic media prepared or reviewed by the Designated Biologist and a resume of the person(s) administering the program. The CPM shall review and provide written comments within 15 days of receipt of the WEAP. The project owner shall provide in the Monthly Compliance Report the number of persons who have completed the training in the prior month and a running total of all persons who have completed the training to date. At least 10 days prior to site and related facilities mobilization submit two copies of the CPM-approved materials. Training acknowledgement forms signed during construction shall be kept on file by the project owner for a period of at least 6 months after the start of commercial operation. During project operation, signed statements for operational personnel shall be kept on file for 6 months following the termination of an individual's employment.</p>		<p>Closure: Administer training within 1 week of arrival to any new personnel. Construction: File training acknowledgement forms at least 6 months after the start of commercial operation. Operation: File signed training acknowledgement forms for 6 months following termination of an individual's employment.</p>		Documentation of this training is included in Attachment 3 of this MCR.

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-6	<p>BRMIMP: The project owner shall develop a BRMIMP and submit two copies of the proposed BRMIMP to the CPM (for review and approval) and to CDFG and USFWS (for review and comment) if applicable and shall implement the measures identified in the approved BRMIMP. A copy of the BRMIMP shall be kept onsite and made readily available to biologists, regulatory agencies, the project owner, contractors, and subcontractors as needed. The BRMIMP shall be prepared in consultation with the Designated Biologist and shall identify:</p> <ol style="list-style-type: none"> 1. All biological resource mitigation, monitoring, and compliance measures proposed and agreed to by the project owner; 2. All applicant-proposed mitigation measures presented in the Application for Certification, data request responses, and workshop responses; 3. All biological resource conditions of certification identified as necessary to avoid or mitigate impacts; 4. All biological resource mitigation, monitoring, and compliance measures required in federal agency terms and conditions, such as those provided in the Biological Opinion; 5. All biological resource mitigation, monitoring, and compliance measures required in local agency permits, such as site grading and landscaping requirements; 6. All sensitive biological resources to be impacted, avoided, or mitigated by project construction, operation, and closure; 7. All required mitigation measures for each sensitive biological resource; 8. A detailed description of measures that shall be taken to avoid or mitigate temporary disturbances from construction activities; 9. All locations on a map, at an approved scale, of sensitive biological resource areas subject to disturbance and areas requiring temporary protection and avoidance during construction; 10. Aerial photographs, at an approved scale, of all areas to be disturbed during project construction activities — one set prior to any site (and related facilities) mobilization 	<p>The project owner shall provide the specified document at least 45 days prior to start of any pre-construction site mobilization. The CPM, in consultation with other appropriate agencies, will determine the BRMIMP's acceptability within 30 days of receipt. If there are any permits that have not yet been received when the BRMIMP is first submitted, these permits shall be submitted to the CPM within 5 days of their receipt, and the BRMIMP shall be revised or supplemented to reflect the permit condition within 10 days of their receipt by the project owner. Ten days prior to pre-construction site mobilization the revised BRMIMP shall be resubmitted to the CPM. Site mobilization will not occur without an approved BRMIMP. The project owner shall notify the CPM no less than five working days before implementing any modifications to the approved BRMIMP to obtain CPM approval. Any changes to the approved BRMIMP must</p>	Project Owner & Designated Biologist	Draft BRMIMP at least 45 days prior to construction-related ground disturbance. Permits shall be submitted within 5 days of their receipt, and the BRMIMP shall be revised or supplemented to reflect the permit condition with 10 days of their receipt.	Complete.	The BRMIMP was approved in March 2011.

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-6 (cont.)	<p>disturbance and one set subsequent to completion of project construction. Include planned timing of aerial photography and a description of why times were chosen;</p> <p>11. Duration for each type of monitoring and a description of monitoring methodologies and frequency;</p> <p>12. Performance standards to be used to help decide if/when proposed mitigation is or is not successful;</p> <p>13. All performance standards and remedial measures to be implemented if performance standards are not met;</p> <p>14. A preliminary discussion of biological resources-related facility closure measures; and</p> <p>15. A process for proposing plan modifications to the CPM and appropriate agencies for review and approval.</p>	<p>also be approved by the CPM in consultation with other appropriate agencies to ensure no conflicts exist. Implementation of BRMIMP measures will be reported in the Monthly Compliance Reports by the Designated Biologist (i.e., survey results, construction activities that were monitored, species observed). Within 30 days after completion of project construction, the project owner shall provide to the CPM, for review and approval, a written construction closure report identifying which items of the BRMIMP have been completed, a summary of all modifications to mitigation measures made during the project's site mobilization, ground disturbance, grading, and construction phases, and which mitigation and monitoring items are still outstanding.</p>				
BIO-7	<p>The project owner shall implement the following measures during construction and operation to manage their project site and related facilities in a manner to avoid or minimize impacts to the local biological resources:</p> <p>1. LIMIT DISTURBANCE AREAS: The boundaries of all areas to be temporarily or permanently disturbed (including staging areas, access roads, and sites for temporary placement of spoils) shall be delineated with stakes and flagging prior to</p>	<p>All mitigation measures and their implementation methods shall be included in the BRMIMP. Implementation of the measures will be reported in the Monthly Compliance Reports by the Designated Biologist.</p>	Project Owner, Designated Biologist, and/or Biological Monitor	Ongoing.	Ongoing.	

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-7 (cont.)	<p>construction activities in consultation with the Designated Biologist. Spoils shall be stockpiled in disturbed areas, which do not provide habitat for special status species. Parking areas, staging, and disposal site locations shall similarly be located in areas without native vegetation or special-status species habitat. All disturbances, vehicles, and equipment shall be confined to the flagged areas.</p> <p>2. MINIMIZE ROAD IMPACTS: New and existing roads that are planned for construction, widening, or other improvements shall not extend beyond the flagged impact area. All vehicles passing or turning around would do so within the planned impact area or in previously disturbed areas. Where new access is required outside of existing roads (e.g. new spur roads) or the construction zone, the route will be clearly marked (i.e., flagged and/or staked) prior to the onset of construction.</p> <p>3. MINIMIZE TRAFFIC IMPACTS: Vehicular traffic during Project construction and operation shall be confined to existing routes of travel to and from the Project site, and cross country vehicle and equipment use outside designated work areas shall be prohibited. The speed limit shall not exceed 25 miles per hour on Harper Lake Road and within fenced areas that have been cleared of tortoises and other wildlife. The speed limit shall not exceed 15 miles per hour within unfenced areas and secondary unpaved access roads.</p> <p>4. MONITOR DURING CONSTRUCTION: The Designated Biologist or Biological Monitor shall be present at the construction site during all project activities that have potential to disturb soil, vegetation, and wildlife. The USFWS-approved Designated Biologist or Biological Monitor shall closely monitor vegetation removal and grading activities to prevent wildlife injury or mortality.</p> <p>5. MINIMIZE IMPACTS OF TRANSMISSION/PIPELINE ALIGNMENTS, ROADS, AND STAGING AREAS: Staging areas for construction on the plant site shall be within the area that has been fenced</p>	<p>Within 30 days after completion of project construction, the project owner shall provide to the CPM, for review and approval, a written construction termination report identifying how measures have been completed. Additional copies shall be provided to CDFG and USFWS.</p>				

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-7 (cont.)	<p>with DT exclusion fencing and cleared. Temporary disturbance areas, if necessary, shall occur within the project site and shall be designed, installed, and maintained with the goal of minimizing disturbance. Transmission lines and all electrical components shall be designed, installed, and maintained in accordance with the Avian Power Line Interaction Committee's (APLIC's) Suggested Practices for Avian Protection on Power Lines (APLIC 2006) and Mitigating Bird Collisions with Power Lines (APLIC 2004) to reduce the likelihood of bird electrocutions and collisions.</p> <p>6. AVOID USE of TOXIC SUBSTANCES: Road surfacing and sealants as well as soil bonding and weighting agents used on unpaved surfaces shall be non-toxic to wildlife and plants.</p> <p>7. MINIMIZE LIGHTING IMPACTS: Facility lighting shall be designed, installed, and maintained to prevent side casting of light towards the project boundaries and the Harper Dry Lake marsh. Lighting shall be shielded, directional, and at the lowest intensity required for activity.</p> <p>8. AVOID VEHICLE IMPACTS TO DESERT TORTOISE: Parking and storage shall occur within DT exclusion fencing to the extent feasible. No vehicles or construction equipment parked outside the fenced area shall be moved prior to an inspection of the ground beneath the vehicle for the presence of DT. During construction, a Biological Monitor shall drive along project access roads, particularly Harper Lake Road at least every three hours during the DT active period (April through May and September through November) looking for DT or other vulnerable wildlife within the roadway. Outside of the active period, roads shall be monitored at least twice a day in advance of peak AM and PM traffic periods. During operation, employees shall report any DT sightings along roadways to the Biological Monitor. If a DT is observed in the roadway or beneath a parked vehicle, it will be left to move on its own or a Biological Monitor may remove and transfer the animal to a safe location if temperatures are</p>					

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-7 (cont.)	<p>within the appropriate range as identified in the Final Desert Tortoise Clearing and Translocation Plan.</p> <p>9. AVOID WILDLIFE PITFALLS: At the end of each workday the DB shall ensure that all potential wildlife pitfalls (trenches, bores, and other excavations) outside of the permanently fenced areas have been backfilled. If backfilling is not feasible, all trenches, bores, and other excavations shall be slope at 3:1 ratio at the ends to provide escape ramps, or covered completely to prevent wildlife access, or fully enclosed with tortoise-exclusion fencing. All trenches, bores, and other excavations outside the areas fenced with DT exclusion fencing shall be inspected at the beginning of each workday, periodically throughout, and at the end of each workday by the Designated Biologist. Should a tortoise or other wildlife become trapped, the Designated Biologist or Biological Monitor shall remove and relocate the individual to a safe location. Any wildlife encountered during the course of construction shall be allowed to leave the construction area unharmed.</p> <p>10. AVOID ENTRAPMENT OF WILDLIFE: Any construction pipe, culvert, or similar structure with a diameter greater than three inches, stored less than eight inches above ground for one or more days/nights, shall be inspected for wildlife before the material is moved, buried, or capped. As an alternative, all such structures may be capped before being stored, or placed on pipe racks.</p> <p>11. REPORT WILDLIFE INJURY and MORTALITY: Report all inadvertent deaths of sensitive species to the appropriate project representative, including road kill. Species name, physical characteristics of the animal (sex, age class, length, weight), and other pertinent information shall be noted and reported in the MCRs. Injured animals shall be reported to the CDFG or USFWS and the CPM and the project owner shall follow instructions that are provided by CDFG or USFWS. If CDFG or USFWS cannot be immediately reached, consideration should be given to taking the animal to a veterinary hospital. If any golden eagles area</p>					

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-7 (cont.)	<p>recovered dead, they shall be sent to the National Eagle Repository after the cause of death has been investigated.</p> <p>12. MINIMIZE STANDING WATER: Water applied to dirt roads and construction areas (trenches or spoil piles) for dust abatement shall use the minimal amount needed to meet safety and air quality standards in an effort to prevent the formation of puddles, which could attract DT and common ravens, and other wildlife to construction sites. A Biological Monitor shall patrol these areas to ensure water does not puddle and attract DT, common ravens, and other wildlife to the site and shall take appropriate action to reduce water application where necessary.</p> <p>13. MINIMIZE HAZARDOUS MATERIALS SPILLS: All vehicles and equipment shall be maintained in proper working condition to minimize the potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials. The Designated Biologist shall be informed of any hazardous spills immediately as directed in the Project Hazardous Materials Plan. Hazardous spills shall be immediately cleaned up and the contaminated soil properly disposed of at a licensed facility. Servicing of construction equipment shall take place only at a designated area. Service/maintenance vehicles shall carry a bucket and pads to absorb leaks or spills.</p> <p>14. WORKER GUIDELINES: During construction all trash and food-related waste shall be placed in self-closing containers and removed weekly from the site. Workers shall not feed wildlife or bring pets to the Project site. Except for law enforcement personnel, no workers or visitors to the site shall bring firearms or weapons.</p> <p>15. AVOID SPREAD OF NOXIOUS WEEDS: The project owner shall implement the following Best Management Practices during construction and operation to prevent the spread and propagation of noxious weeds: A. Limit the size of any vegetation and/or ground disturbance to the absolute minimum and limit ingress</p>					

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-7 (cont.)	<p>and egress to defined routes;</p> <p>B. Reestablish vegetation quickly on temporarily disturbed areas, including pipelines, transmission lines, and staging areas (BIO-9);</p> <p>C. Prevent the spread of non-native plants via vehicular sources by implementing Trackclean™ or other method of vehicle cleaning for vehicles coming and going from construction sites. Earth-moving equipment and construction vehicles shall be cleaned within an approved area or commercial facility prior to transport to the construction site. The number of cleaning stations shall be limited and weed control/herbicide application shall be used at the cleaning station(s);</p> <p>D. Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations;</p> <p>E. Invasive non-native species shall not be used in landscaping plans and erosion control; and,</p> <p>F. Monitor and rapidly implement control measures to ensure early detection and eradication of weed invasions.</p> <p>16. IMPLEMENT EROSION CONTROL MEASURES: Standard erosion control measures shall be implemented for all phases of construction and operation. All disturbed soils and roads within the project site shall be stabilized to reduce erosion potential, both during and following construction. Areas of disturbed soils (access and staging areas) with slopes toward an ephemeral drainage or Harper Dry Lake shall be stabilized to reduce erosion potential.</p> <p>17. MONITOR GROUND-DISTURBING ACTIVITIES PRIOR TO SITE MOBILIZATION: If ground-disturbing activities are required prior to site mobilization, such as for geotechnical borings or hazardous waste evaluations, a Designated Biologist or Biological Monitor shall be present to monitor any actions that could disturb soil, vegetation, or wildlife. Actions not included in the project description are prohibited.</p>					

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-8	<p>PRE-CONSTRUCTION NEST SURVEYS AND IMPACT AVOIDANCE AND MINIMIZATION MEASURES FOR MIGRATORY BIRD: Pre-construction nest surveys shall be conducted if construction activities will occur from February 1 through August 1. At all times of the year, noise generating activities shall be limited during early morning and evening to avoid impacts to birds protected under the Migratory Bird Treaty Act. The Designated Biologist or Biological Monitor shall perform surveys in accordance with the following guidelines:</p> <ol style="list-style-type: none"> 1. Surveys shall cover all potential nesting habitat in the project site and within 500 feet of the boundaries of the plant site as well as any areas potentially exposed to noise levels above 60 dBA; 2. At least two pre-construction surveys shall be conducted, separated by a minimum 10-day interval. One of the surveys needs to be conducted within the 10-day period preceding initiation of construction activity. Additional follow-up surveys may be required if periods of construction inactivity exceed three weeks in any given area, an interval during which birds may establish a nesting territory and initiate egg laying and incubation; 3. If active nests are detected during the survey, a no-disturbance buffer zone (protected area surrounding the nest, the size of which is to be determined by the Designated Biologist in consultation with CDFG and USFWS) and monitoring plan shall be developed. Nest locations shall be mapped using GPS technology and submitted, along with a weekly report stating the survey results, to the CPM; and 4. The Designated Biologist or Biological Monitor shall monitor the nest until he or she determines that nestlings have fledged and dispersed; activities that might, in the opinion of the Designated Biologist in consultation with the CPM, disturb nesting activities (e.g., excessive noise above 60 dBA), shall be prohibited within the buffer zone until such a determination is made. 	<p>At least 10 days prior to the start of any pre-construction site-mobilization, the project owner shall provide the CPM a letter-report describing the findings of the pre-construction nest surveys, including the time, date, and duration of the survey; identity and qualifications of the surveyor(s); and a list of species observed. If active nests are detected during the survey, the report shall include a map or aerial photo identifying the location of the nest and shall depict the boundaries of the no-disturbance buffer zone around the nest. Additional copies shall be provided to CDFG and USFWS.</p>	<p>Project Owner, Designated Biologist & Biological Monitor</p>	<p>If construction is to occur from February 1 through August 1, prior to start of pre-construction site mobilization.</p>	<p>Complete.</p>	<p>No nesting bird surveys were conducted in January 2012.</p>

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-9	<p>GOLDEN EAGLE TERRITORY - SPECIFIC MANAGEMENT PLAN: In addition to the breeding season golden eagle inventory conducted in the spring of 2010, a non-breeding season golden eagle inventory survey shall be conducted in late summer/early winter. If an occupied golden eagle territory is identified within 10 miles of the project site (except for the territory identified at Black Mountain in April 2010) during breeding or non-breeding inventory surveys for the MSP, the project owner shall prepare and implement a Golden Eagle Territory-Specific Management Plan. This plan shall:</p> <ol style="list-style-type: none"> 1. Include measures to avoid and minimize disturbance (as defined in 50 CFR 22.3) to golden eagles during project construction and operation activities. Measures may include limited operating periods or no-disturbance buffers within which certain potentially disruptive project activities shall not be conducted, or modification of certain project activities to reduce the potential for disturbance to eagles. 2. Identify monitoring actions and schedule for their implementation to ensure avoidance and minimization of disturbance. Monitoring and reporting shall be conducted pre- and post-activity per Interim Golden Eagle Inventory and Monitoring Protocols (Pagel et al. 2010). 	<p>The project owner shall submit a report to the CPM, CDFG, and USFWS within 30 days of completion of breeding-season golden eagle surveys. This report shall document the results of the inventory and monitoring as described in Pagel et al. 2010. The project owner shall submit a report to the CPM, CDFG, and USFWS within 30 days of completion of non-breeding season golden eagle surveys. This report shall document the results of the protocol surveys as described in Pagel et al. 2010 or more recent guidance by USFWS (e.g., Pagel et al., in prep). At least 30 days prior to the start of any pre-construction site mobilization, the project owner shall provide the CPM, CDFG, and USFWS with the final version of the Golden Eagle Territory-Specific Management Plan, based on breeding-season inventory results. This final Plan shall have been reviewed and approved by the CPM in consultation with USFWS. If</p>	Project Owner	<p>Survey report within 30 days of completion of breeding and non-breeding surveys.</p> <p>Submit the final version of the Golden Eagle Territory-Specific Management Plan at least 30 days prior to the start of any pre-construction site mobilization.</p>	Complete.	Based on email correspondence from USFWS on January 28, 2010, a Golden Eagle Territory-Specific Management Plan is not required.

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-9 (cont.)		disturbance to eagles would not occur and a Plan is not warranted, a letter from USFWS documenting this determination shall be submitted to the CPM at least 10 days prior to the start of any pre-construction site mobilization. An addendum to the Plan may be required by USFWS based on non-breeding season survey results. If required, a final addendum, which has been reviewed and approved by the CPM in consultation with USFWS, shall be submitted to the CPM within 90 days of completion of non-breeding season golden eagle surveys.				
BIO-10	DOCUMENTATION OF BALD AND GOLDEN EAGLE ACT COMPLIANCE: The project owner shall provide documentation to the CPM that the project is in compliance with the Bald and Golden Eagle Protection Act (Title 16, United States Code, sections 668-668d).	No less than 10 days prior to the start of any pre-construction site mobilization, the project owner shall submit to the CPM documentation that the project is in compliance with the Bald and Golden Eagle Protection Act (Title 16, United States Code, sections 668-668d). This shall include documentation from the USFWS in the form of	Project Owner	No less than 10 days prior to the start of any pre-construction site mobilization.	Complete.	Confirmation of compliance with the Bald and Golden Eagle Protection Act was provided by USFWS via email on March 11, 2011, and is included in the BRMIMP.

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-10 (cont.)		written or electronic transmittal indicating the status of the permit, if required, and any follow-up actions required by the project owner. Any additional actions shall be added to the BRMIMP and implemented.				
BIO-11	<p>DESERT TORTOISE EXCLUSION FENCING, CLEARANCE SURVEYS, AND TRANSLOCATION PLAN: A DT Exclusion Fencing, Clearance Surveys, and Translocation Plan (DT Plan) shall be developed in consultation with the CPM, CDFG, and USFWS. This plan shall include detailed measures to avoid and minimize impacts to DT in and near the construction areas as well as methods for clearance surveys, fence installation, tortoise handling; artificial burrow construction, egg handling, and other procedures, which shall be consistent with those described in the USFWS DT Field Manual or more current guidance provided by CDFG and USFWS. At a minimum, the following measures shall be included in the plan and implemented by the project owner to manage their construction site, and related facilities, in a manner to avoid, minimize, or mitigate impacts to DT.</p> <p>1. FENCE INSTALLATION: Prior to ground disturbance, the entire project site shall be fenced with DT exclusion fence. To avoid impacts to DT during fence construction, the proposed fence alignment shall be flagged and the alignment surveyed within 24 hours prior to fence construction. Surveys shall be conducted by the Designated Biologist using techniques approved by the USFWS and CDFG. Biological Monitors may assist the Designated Biologist under his or her supervision. These surveys shall provide 100% coverage of all areas to be disturbed during fence construction and an additional transect along both sides of the fence line. This fence line transect shall cover an area approximately 90 feet wide centered on the fence</p>	At least 45 days prior to the start of any pre-construction site mobilization, the project owner shall provide the CPM with the final version of the Desert Tortoise Translocation Plan that has been approved by Energy Commission staff, USFWS, and CDFG. The CPM will determine the plan's acceptability within 15 working days of receipt of the final plan. All modifications to the approved final Desert Tortoise Translocation Plan must be made only after approval by the Energy Commission staff, USFWS, and CDFG. The project owner shall notify the CPM no fewer than five working days before implementing any CPM-approved modifications to the Translocation Plan. Within 30 days of completing of desert	Project Owner, Designated Biologist & Biological Monitor	Submit Final Desert Tortoise Translocation Plan at least 45 days prior to the start of any pre-construction site mobilization. Submit report within 30 days of completing of desert tortoise clearance surveys.	Ongoing.	<p>DT exclusion fence inspections occurred on January 4, 11, 13, 18, 19, and 23, 2012. No breeches or vandalism of DT fence was discovered.</p> <p>DT surveys were conducted by Peggy Wood on January 5, 25, 26, and 27, 2012, along Lockhart Road where tamarisk trees and shrubs were removed to eliminate potential bird nesting habitat. A variance was submitted to CEC for these surveys, and the variance was approved by CEC and USFWS (Ray Bransfield). No DT or their sign was detected during surveys.</p>

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-11 (cont.)	<p>alignment. Transects shall be no greater than 30 feet apart. All DT burrows, and burrows constructed by other species that might be used by DTs, shall be examined to assess occupancy with USFWS approved protocol.</p> <p>A. Timing, Supervision of Fence Installation. The exclusion fencing shall be installed in any area subject to disturbance prior to the onset of site clearing and grubbing in that area. The fence installation shall be supervised by the Designated Biologist and monitored by the Biological Monitors to ensure the safety of any tortoise present.</p> <p>B. Fence Material and Installation. The permanent tortoise exclusionary fencing shall consist of galvanized hard wire cloth, 1- by - inch mesh sunk 12 inches into the ground, and 24 inches above ground (refer to parameters for USFWS-approved tortoise exclusion fencing at www.fws.gov/ventura/speciesinfo/protocols_guidelines). For temporary exclusion fencing, a “folded bottom” technique shall be implemented. This method follows the same guidelines as installation of permanent fencing except instead of burying the bottom 12 inches of fencing, it is bent at an approximately 90-degree angle (to follow the contour of the ground) and spikes or other retaining methods are driven into the ground every two linear feet in such a manner as to “anchor” the bottom of the fence. This method eliminates the need for trenching, which for short-term temporary impacts may be more beneficial to the recovery of the landscape, and thus the species.</p> <p>C. Security Gates. Security gates shall be designed with minimal ground clearance to deter ingress by tortoises. The gates shall remain closed except during vehicle passage and may be electronically activated to open and close immediately after the vehicle(s) have entered or exited to prevent</p>	<p>tortoise clearance surveys the Designated Biologist shall submit a report to the CPM, USFWS, and CDFG describing how each of the mitigation measures have been satisfied. The report shall include the desert tortoise survey results, capture and release locations of any translocated desert tortoises, and any other information needed to demonstrate compliance with the measures described above.</p>				

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-11 (cont.)	<p>extended periods with open gates, which might lead to a tortoise entering.</p> <p>D. Storm water Drainage Fencing. The onsite storm water drainage channels, including the headwalls, outlet, and road crossings, shall be permanently fenced to ensure exclusion of DT during MSP operation.</p> <p>E. Fence Inspections. Following installation of the DT exclusion fencing for the permanent site and the storm water drainage fencing and temporary fencing (if required), the fencing shall be regularly inspected. Permanent fencing shall be inspected monthly and during/immediately following all major rainfall events. Any damage to the fencing shall be temporarily repaired immediately to keep tortoises out of the site, and permanently repaired within two days of observing damage. Inspections of permanent site fencing shall occur for the life of the Project. Temporary fencing must be inspected immediately following major rainfall events. All temporary fencing shall be repaired immediately upon discovery and, if the fence may have permitted tortoise entry while damaged, the Designated Biologist shall inspect the area enclosed by the fence for tortoise.</p> <p>2. DESERT TORTOISE CLEARANCE SURVEYS: Following construction of the tortoise exclusionary fencing around the Plant site, all fenced areas shall be cleared of tortoises by the Designated Biologist, who may be assisted by Biological Monitors. A minimum of two 100 percent coverage protocol clearance surveys with negative results must be completed and these must coincide with heightened desert tortoise activity from April through May and September through November. Non-protocol clearance surveys may be conducted in areas of certainly unsuitable habitat (e.g., developed) with prior approval of specific areas by USFWS and CDFG</p>					

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-11 (cont.)	<p>(these proposed areas shall be identified in the Desert Tortoise Plan). Clearance survey transects shall be followed as described in the Final Desert Tortoise Plan. Additional clearance survey guidelines are provided in the USFWS <i>Desert Tortoise Field Manual</i> (www.fws.gov/ventura/speciesinfo/protocols_guidelines) (USFWS 2009).</p> <p><u>Translocation Of Desert Tortoise:</u> If DT are detected during clearance surveys within the project impact area, the Designated Biologist shall safely translocate the tortoise the shortest possible distance to the nearest suitable habitat. Any handling efforts shall be in accordance with techniques described in the final Desert Tortoise Plan., which shall be consistent with the USFWS <i>Desert Tortoise Field Manual</i> (www.fws.gov/ventura/speciesinfo/protocols_guidelines) (USFWS 2009). If a visibly diseased tortoise is encountered on site, procedures shall be implemented in accordance with the approved final Desert Tortoise Plan.</p> <p>3. BURROW INSPECTION: All potential DT burrows within the fenced area shall be searched for presence. To prevent reentry by a tortoise or other wildlife, all burrows shall be collapsed once absence has been determined, in accordance with the final DT Plan. Immediately following excavation and if environmental conditions warrant immediate translocation, tortoises excavated from burrows shall be translocated to unoccupied natural or artificial burrows within the location approved by USFWS and CDFG per the final DT Plan.</p> <p>4. BURROW EXCAVATION: Burrows inhabited by tortoise shall be excavated by the Designated Biologist using hand tools, and then collapsed or blocked to prevent re-occupation, in accordance with the final DT Plan. If excavated during May through July, the Designated Biologist shall search for DT nest/eggs. All DT handling and removal, and burrow excavation,</p>					

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-11 (cont.)	<p>including nest, shall be conducted by the Designated Biologist in accordance with the USFWS <i>Desert Tortoise Field Manual</i> (ww.fws.gov/Ventura/species/info/protocols guidelines).</p> <p>5. MONITORING DURING CLEARING: Following the installation of exclusionary fencing and after ensuring desert tortoise are absent from the project site, heavy equipment shall be allowed to enter the project site to perform earthwork such as clearing, grubbing, leveling, and trenching. A Biological Monitor shall be on site at all times during initial clearing and grading activities. Should a tortoise be discovered, it shall be relocated as described above in accordance with the final DT Plan.</p> <p>6. REPORTING: The Designated Biologist shall record the following information for any DT handled: a) the locations (narrative and maps) and dates of observation; b) general condition and health, including injuries, state of healing and whether DT voided their bladders; c) location moved from and location moved to (using GPS technology); d) gender, carapace length, and diagnostic markings (i.e., identification numbers or marked lateral scutes); e) ambient temperature when handled and released; and f) digital photograph of each handled DT. DT moved from within Project areas shall be marked and monitored in accordance with the Desert Tortoise Relocation/Translocation Plan. Digital photographs of the carapace, plastron, and fourth scute shall be taken. Scutes shall not be notched for identification.</p>					
BIO-12	<p>MOHAVE GROUND SQUIRREL CLEARANCE SURVEYS: The project owner shall implement the following measure to manage their construction site, and related facilities, in a manner to avoid or minimize impacts to Mohave ground squirrels (MGS).</p> <p>1. CLEARANCE SURVEY: After the installation of the DT exclusion fence and immediately prior to any ground disturbance, the Designated Biologist shall examine the</p>	The Designated Biologist shall submit a report to the CPM and CDFG documenting results of the clearance surveys and records of capture of MGS if applicable. The report is required within 30 days of completion of the MGS	Project Owner, Designated Biologist & Biological Monitor	Prior to ground disturbance activities and after DT exclusion fencing has been installed. Report with within 30 days of completion of the MGS clearance	Complete.	Complete.

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-12 (cont.)	<p>construction disturbance area for MGS and their burrows. The survey shall provide 100 percent coverage of suitable habitat within the project site (undisturbed desert saltbush scrub, disturbed desert saltbush scrub, disturbed desert saltbush scrub re-growth, fallow agriculture- saltbush regrowth.</p> <p>A. If potentially occupied burrows are identified, an attempt shall be made to trap and relocate the individual(s). Potentially occupied burrows shall be fully excavated by hand.</p> <p>B. Trapping, relocation, and MGS burrow excavation shall only be conducted by individual(s) possessing and Memorandum of Understanding (MOU) with CDFG for such activities.</p> <p>2. RECORDS of CAPTURE. If MGS are captured via trapping or burrow excavation, the Designated Biologist shall maintain a record of each MGS handled, including: a) the locations (Global Positioning System [GPS] coordinates and maps) and time of capture and/or observation as well as release; b) sex; c) approximate age (adult/juveniles); d) weight; e) general condition and health, noting all visible conditions including gait and behavior, diarrhea, emaciation, salivation, hair loss, ectoparasites, and injuries; and f) ambient temperature when handled and released.</p> <p>3. RELOCATION. Any MGS captured via trapping or burrow excavation shall be relocated to suitable habitat adjacent to the project site, which provides conditions suitable for the long-term survival of relocated MGS.</p>	clearance surveys.		surveys.		
BIO-13	<p>BURROWING OWL IMPACT AVOIDANCE, MINIMIZATION, AND COMPENSATION MEASURES: Prior to preconstruction surveys, a Burrowing Owl Monitoring and Mitigation Plan (Burrowing Owl Plan) shall be developed by the project owner in consultation with the CPM and CDFG. This plan shall include detailed measures to avoid and minimize impacts to burrowing owls in and near the construction areas (if identified during</p>	At least 45 days prior to start of any pre-construction site mobilization, the project owner shall provide the CPM and CDFG with the final version of the Burrowing Owl	Designated Biologist & Biological Monitor	Pre-construction surveys concurrent with DT clearance surveys. Pre-construction survey results, (e.g., number of owls	Ongoing.	The final Burrowing Owl Mitigation and Monitoring Plan was submitted in March 2011 (AECOM 2011). AECOM submitted an addendum to the burrowing owl plan to

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-13 (cont.)	<p>surveys) and shall be consistent with CDFG guidance (CDFG 1995). In addition, the plan shall identify the optimal time to concurrently relocate both desert tortoise and burrowing owl. At a minimum, the following measures shall be included in the plan and implemented by the project owner to manage their construction site, and related facilities, in a manner to avoid, minimize, or mitigate impacts to breeding and foraging burrowing owls.</p> <p>1. PRE-CONSTRUCTION SURVEYS. The Designated Biologist shall conduct pre-construction surveys for burrowing owls within the project site and a 160-foot buffer. These surveys shall be conducted concurrent with the DT clearance surveys, to the maximum extent possible. Pre-construction surveys shall be conducted prior to the nesting season (February 1 through August 31) and all burrowing owls will be passively relocated using one-way trap doors. Once the Designated Biologist has verified that all burrowing owls have vacated an occupied burrow, the Designated Biologist shall collapse the burrow, preventing re-occupation.</p> <p>A. If ground disturbance cannot be avoided in areas where nesting burrowing owls are active, a 250-foot exclusion area around occupied burrows will be flagged and this area will not be disturbed during the nesting season (February 1 through August 31) unless a qualified biologist verifies through non-invasive methods that either; (1) the birds have not begun egg-laying and incubation; or (2) that juveniles from the occupied burrows are foraging independently and are capable of independent survival. The exclusion area shall remain connected to natural area(s) to the extent possible, to avoid completely surrounding the owl with construction activities and/or equipment.</p> <p>2. ARTIFICIAL BURROW INSTALLATION. Prior to any ground-disturbing activities, the project owner shall install five artificial burrows for each identified BO</p>	<p>Monitoring and Mitigation Plan that has been reviewed and approved by the CPM in consultation with CDFG. An addendum to the plan, which includes the pre-construction survey results, (e.g., number of owls identified onsite) and the CDFG-approved amount of compensatory mitigation, shall be submitted within 10 days of completing the burrowing owl pre-construction surveys. The CPM will determine the acceptability of the Plan and addendum within 15 days of their receipt. All modifications to the approved Plan may be made by the CPM after consultation with CDFG. The project owner shall notify the CPM no less than five working days before implementing any CPM-approved modifications to the Burrowing Owl Monitoring and Mitigation Plan.</p>		<p>identified onsite) and the CDFG-approved amount of compensatory mitigation shall be submitted within 10 days of completing the burrowing owl pre-construction surveys.</p> <p>Burrow installation prior to ground disturbance activities.</p> <p>Passive relocation surveys will be conducted for two years with surveys occurring in the spring and in the winter.</p>		CEC in January 2012.

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BIO-13 (cont.)	<p>burrow within the project area that would be destroyed, within the approved compensatory habitat area. The Designated Biologist shall survey the site selected for artificial burrow construction to verify that such construction will not affect DT or MGS or existing BO colonies in the relocation area. Installation of the artificial burrows shall occur after baseline surveys of the relocation area and prior to ground disturbance or heavy equipment staging. Design of the artificial burrows shall be consistent with CDFG guidelines and shall be approved by the CPM in consultation with CDFG.</p> <p>3. PASSIVE RELOCATION. Prior to passive relocation, any owl that will be relocated shall be color banded with air-craft aluminum bands in accordance with the guidance provided by USGS bird banding lab to monitor relocation success. Color banding shall not be conducted during the breeding season. During the non-breeding season, owls would be given a minimum of three weeks to become familiar with the new artificial burrows, after which eviction of the owls with the project site could begin. Use of one way doors would be used to facilitate passive relocation of owls.</p> <p>A. Monitoring and Success Criteria. The Designated Biologist shall survey the compensatory mitigation area and suitable habitat within 600-meter radius from the project site to assess use of the artificial burrows by owls and relocation success after exclusion from the project area. Surveys shall be conducted using methods consistent with Phase II and Phase III California Burrowing Owl Consortium guidelines. Surveys shall be conducted two times in the spring and two times in the winter following eviction. This second survey within a season shall be conducted within 30 days of the first. Surveys shall continue for two years to encompass a total of two spring seasons (4 total spring surveys) and two winter seasons (4 total winter surveys). Surveys and monitoring shall be</p>					

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-13 (cont.)	<p>conducted using non-invasive methods (i.e., high-powered binoculars, spotting scope, or camera). Owls shall not be trapped or otherwise handled to read the color band. If survey results indicate BOs are not nesting within the surveys area, remedial actions may be developed and implemented in consultation with the CPM, CDFG, and USFWS to correct conditions at the site that might be preventing owls from nesting there. A report describing survey results and any remedial actions taken shall be submitted to the CPM, CDFG and USFWS no later than January 31 of each year for two years.</p> <p>4. PRESERVE AND MANAGE COMPENSATORY HABITAT. For each individual owl or pair identified on the project site during pre-construction surveys, off-site mitigation shall be required as described in the California Burrowing Owl Consortium guidelines (CBOC 1993). Determining which ratio to apply depends on whether the proposed compensatory habitat is occupied or unoccupied.</p> <p>A. Replacement of occupied habitat with occupied habitat: 1.5 times 6.5 (9.75) acres per pair of single bird</p> <p>B. Replacement of occupied habitat with suitable unoccupied habitat: 3 times 6.5 (19.5) acres per pair of single bird.</p> <p>Compensatory habitat shall be suitable for occupation by burrowing owls and preserved and managed in perpetuity for this purpose. Compensatory mitigation may be within the 118.2 acres proposed for desert tortoise and MGS (refer to BIO-15), provided that it also meets the criteria for suitable burrowing owl habitat. The compensatory habitat shall be managed for the benefit of burrowing owls, with the specific goals of:</p> <p>A. Maintaining the functionality of artificial and</p>					

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-13 (cont.)	<p>natural burrows; and</p> <p>B. Minimizing the occurrence of weeds (species considered “moderate” or “high” threat to California wildlands as defined by CAL-IPC [2006] and noxious weeds rated “A” or “B” by the California Department of Food and Agriculture and any federal-rated pest plants [CDFA 2009]) at less than 10% cover of the shrub and herb layers.</p> <p>The Burrowing Owl Plan shall also include monitoring and maintenance requirements for the compensatory habitat, details on methods for measuring compliance goals, and remedial actions to be taken if management goals are not met. The final Burrowing Owl Plan is due before preconstruction surveys begin to ensure that an approved relocation methodology will be followed for any owls occurring within the project area. Therefore, it is understood that the compensatory mitigation acreage (if required) may not be identified in the Burrowing Owl Plan. However, the Plan shall propose a location for compensatory mitigation land and the acreage required, quantified according to the CBOC methods outlined above. If owls are identified during the pre-construction survey, the project owner shall submit an addendum to the Burrowing Owl Plan, which identifies the number of owls identified and the exact acreage to be preserved and managed in perpetuity for burrowing owl based on the results of the preconstruction survey and as agreed to in consultation with CDFG.</p>					
BIO-14	<p>AMERICAN BADGER AND DESERT KIT FOX IMPACT AVOIDANCE AND MINIMIZATION MEASURES: To avoid direct impacts to American badgers and desert kit fox, pre-construction surveys shall be conducted for these species concurrent with the DT surveys. Surveys shall be conducted as described below.</p> <ul style="list-style-type: none"> Biological Monitors shall perform pre-construction surveys for badger and kit fox dens in the Project disturbance area, including areas within 250 feet of the project site. If burrows are detected, each burrow shall 	<p>The project owner shall submit a report to the CPM and CDFG within 30 days of completion of badger and kit fox surveys. The report shall describe survey methods, results, measures implemented, and the results of the measures.</p>	<p>Project Owner, Biological Monitor, & Designated Biologist</p>	<p>Within 30 days of completion of badger and kit fox surveys.</p>	<p>Ongoing.</p>	<p>The January 2012 pre-construction American badger and kit fox surveys revealed the presence of five areas in eastern Beta that showed sign of kit fox or badger diggings. Cameras detected kit fox and badger visiting these sites. Exclusion</p>

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-14 (cont.)	<p>be classified as inactive, potentially active, or definitely active.</p> <ul style="list-style-type: none"> • Inactive burrows and setts that would be directly impacted by construction activities shall be excavated by hand and backfilled to prevent reuse by badgers or kit fox. • Potentially and definitely active burrows and setts shall not be disturbed during the whelping/pupping season (February 1 - September 30). Potentially and definitely active dens that would be directly impacted by construction activities shall be monitored by the Biological Monitor for three consecutive nights using a tracking medium (such as diatomaceous earth or fire clay) and/or infrared camera stations at the entrance. If no tracks are observed in the tracking medium or no photos of the target species are captured after three nights, the den shall be excavated and backfilled by hand. If tracks are observed, the Biological Monitor shall directly observe the burrow or sett and block the entrance after the animal exits and the Biological Monitor has verified that there are no animals in the burrow or sett. The burrow or den shall be blocked with natural materials (e.g., rocks, dirt, sticks, and vegetation piled in front of the entrance) or passive hazing methods shall be employed for the next three to five nights to discourage the badger or kit fox from continued use. Passive hazing methods shall be approved by CDFG. Live or other traps shall not be used (CCR Title 14 Section 460). A kit fox or badger shall never be trapped in its burrow/sett. After verification that the den is unoccupied it shall then be excavated and backfilled by hand to ensure that no badgers or kit fox are trapped in the den. 					<p>activities occurred at these sites. There were no direct impacts to kit fox or America badger.</p>
BIO-15	<p>COMPENSATORY MITIGATION. To fully mitigate for the habitat loss and incidental take of DT and MGS as well as BO, the project owner shall acquire, prior to ground-disturbing activities, in fee or in easement, no less than 118.2 acres of land suitable for these species and shall provide funding for the enhancement and long-term management of the compensation lands that may be delegated by written</p>	<p>No less than 90 days prior to acquisition of the property, the project owner, or a third-party approved by the CPM, in consultation with CDFG and USFWS, shall submit</p>	<p>Project Owner</p>	<p>Agreements to delegate land acquisition or management within 12 months of the CEC decision. Submit a formal</p>	<p>Ongoing.</p>	<p>None.</p>

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-15 (cont.)	<p>agreement to CDFG or a third party, such as a non-governmental organization dedicated to habitat conservation. If habitat disturbance exceeds that described in the analysis, the owner shall be responsible for acquisition and management of additional compensation lands and/or funds required to compensate for any additional habitat disturbance. Additional funds shall be based on the adjusted maker value of compensation lands at the time of construction to acquire and manage habitat. The acquisition and management of compensation lands shall include, but is not limited to, the following elements:</p> <p>1. SELECTION CRITERIA FOR COMPENSATION LANDS. The compensation lands selected for acquisition of title/easement transfer shall:</p> <ul style="list-style-type: none"> A. have substantial capacity to support resident and dispersing DT, MGS, and BO; B. be a contiguous block of land (preferably) or located so that parcel(s) result in a contiguous block of protected habitat; C. not be encumbered by easements of uses that would preclude fencing of the site or preclude management of the site for the primary benefit of the species for which mitigation lands were secure; and, D. include mineral/water rights or ensure that those rights may not be evoked in a manner to negate the values of compensation lands. <p>2. REVIEW AND APPROVAL OF COMPENSATION LANDS PRIOR TO TITLE/EASEMENT TRANSFER. A minimum of three months prior to acquisition or transfer of the property title and/or easement, the owner, or a third party approved by the CPM, in consultation with CDFG and USFWS, shall submit a proposal to the CPM. CDFG and USFWS describing parcel(s) intended for purchase or title/easement transfer. This proposal shall discuss the suitability of the proposed parcel(s) as compensation</p>	<p>a formal acquisition proposal to the CPM, CDFG, and USFWS describing the parcel(s) intended for purchase or title/easement transfer. At least 30 days prior to construction-related ground disturbance (or as allowed under 5(e), above), the project owner shall provide written verification to the CPM that the compensation lands or conservation easements have been acquired and recorded in favor of the approved recipient(s). Within six months of the land or easement purchase, as determined by the date on the title, the project owner shall provide the CPM with a management plan for review and approval, in consultation with CDFG, for the compensation lands and associated funds. Within 90 days after completion of project construction, the project owner shall provide to the CPM verification that disturbance to desert tortoise and MGS habitat did not exceed 430 acres, and that construction activities did not result in</p>		<p>acquisition proposal no less than 90 days prior to acquisition of the property.</p> <p>At least 30 days prior to construction-related ground disturbance (or as allowed under 5(e), above), the project owner shall provide written verification to the CPM that the compensation lands or conservation easements have been acquired and recorded in favor of the approved recipient(s).</p>		

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-15 (cont.)	<p>lands for DT, MGS, and BO in relation to the criteria listed above. Approval from the CPM, in consultation with USFWS and CDFG, B66 shall be required for acquisitions of all parcels comprising no less than 118.2 acres in advance of purchase or title/easement transfer.</p> <p>3. REVIEW AND APPROVAL OF COMPENSATION LANDS MANAGEMENT PLAN. Within six months of the lands or easement purchase or transfer, as determined by the date on the title, the project owner, or a third-party approved by the CPM, in consultation with CDFG and USFWS, shall submit a compensation lands management plan to the CPM, CDFG, and USFWS. The plan shall include, but not be limited to proposed measures to enhance habitat (e.g., removal of structures and other human attractants); maintenance procedures; and general maintenance provisions (e.g., trash dumping, trespass, pesticide use avoidance, etc.).</p> <p>4. MITIGATION SECURITY FOR COMPENSATION LANDS AND AVOIDANCE/MINIMIZATION MEASURES. The project owner shall provide financial assurances to the CPM, with copies of the document(s) to CDFG and USFWS, to guarantee that an adequate level of funding is available to implement all biological avoidance, minimization, and compensation measures described in the conditions of certification. These funds shall be used solely for implementation of the measures associate with the project.</p> <p>5. CONDITIONS FOR ACQUISITION OF COMPENSATION LANDS. The project owner shall comply with the following conditions relating to acquisition of compensation lands or transfer of the property's title and/or easement after the CPM, in consultation with CDFG and USFWS, has approved the proposed compensation land as described above.</p> <p>A. Preliminary Report. The project owner, or approved third party, shall provide a recent preliminary title</p>	<p>impacts to desert tortoise, MGS, and burrowing owl habitat adjacent to work areas. If habitat disturbance exceeds that described in this analysis, the CPM shall notify the project owner of any additional funds required or lands that must be purchased to compensate for any additional habitat disturbances at the adjusted market value at the time of construction to acquire and manage habitat.</p> <p>If electing to use an in-lieu fee provision, the project owner shall request from the Energy Commission a determination that the project's in-lieu fee proposal meets CEQA and CESA requirements.</p>				

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
<p>BIO-15 (cont.)</p>	<p>report (no more than six months old), hazardous materials survey report (i.e., Phase I ESA), biological analysis, and other necessary documents for the proposed 118.2 acres. All documents conveying or conserving compensation lands and all conditions of title/easement are subject to a field review and approval by the CPM, in consultation with CDFG and USFWS, California Department of General Services, and, if applicable, the Fish and Game Commission and/or Wildlife Conservation Board.</p> <p>B. Title/Conveyance. The project owner shall transfer fee title/deed or a conservation easement for 118.2 acres of compensation lands to CDFG under terms approved by CDFG. Alternatively, a CPM-approved, in consultation with CDFG and USFWS, non-project organization qualified pursuant to California Government Code section 65965 may hold fee title or a conservation easement over the compensation lands. In the event an approved non-profit holds title, a conservation easement shall be recorded in favor of CDFG in a form approved by CDFG and USFWS; in the event an approved non-profit holds a conservation easement over the compensation lands, CDFG shall be named a third-party beneficiary. USFWS shall be named a third-party beneficiary regardless of who holds the easement. The project owner shall also provide a property assessment and warranty.</p> <p>C. Enhancement Fund. The project owner shall fund the initial protection and enhancement of the 118.2 acres by providing the enhancement fund to the CDFG. Alternatively, a CPM-approved, in consultation with CDFG and USFWS, non-profit organization qualified pursuant to California Government Code section 65965 to manage the compensations land may hold the enhancement funds. If CDFG takes fee title to the compensation</p>					

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-15 (cont.)	<p>lands, the enhancement fund must go to CDFG.</p> <p>D. Endowment Fund. Prior to ground-disturbing project activities, the project owner shall provide to CDFG a capital endowment in the amount determined through the Property Analysis Record (PAR) or PAR-like analysis that will be conducted for the 118.2 acres of compensation lands. Alternatively, a CPM-approved, in consultation with CDFG and USFWS, non-profit organization qualified pursuant to California Government Code section 65965 may hold the endowment fees. If CDFG takes fee title to the compensation lands, the endowment must go to CDFG, where it will likely be held in the special deposit fund established pursuant to Government Code section 16370. If the special deposit fund is not used to manage the endowment, the California Wildlife Foundation will manage the endowment for CDFG and with CDFG guidance. The project owner and the CPM shall ensure that an agreement is in place with the endowment holder/manager to ensure the following:</p> <p><u>Interest.</u> Interest generated from the initial capital endowment shall be available for reinvestment into the principal and for the long-term operation, management, and protection of the approved compensation lands, including reasonable administrative overhead, biological monitoring, improvements to carrying capacity, law enforcement measures, and any other action designed to protect or improve the habitat values of the compensation lands.</p> <p><u>Withdrawal of Principal.</u> The endowment principal shall not be drawn upon unless such withdrawal is deemed necessary by the CDFG or the approved third-party endowment manager to ensure the continued viability of the species on the 118.2</p>					

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-15 (cont.)	<p>acres. If CDFG takes fee title to the compensation lands, monies received by CDFG pursuant to this provision will likely be deposited in a special deposit fund established pursuant to Government Code section 16370. If the special deposit fund is not used to manage the endowment, the California Wildlife Foundation will manage the endowment for CDFG and with CDFG guidance.</p> <p><u>Pooling Endowment Funds.</u> CDFG, or a CPM-approved, in consultation with CDFG and USFWS, non-profit organization qualified pursuant to California Government Code section 65965 to hold endowments for the operation, management, and protection of the 118.2 acres for local populations of DT and MGS. However, for reporting purposes, the endowment fund must be tracked and reported individually.</p> <p>E. Security Deposit. The project owner may proceed with ground disturbing activities before fully performing its compensatory mitigation duties and obligations as set forth above only if the project owner secures its performance by providing funding to CDFG (Security Deposit), or if CDFG approves, administrative proof of funding, necessary to cover easement costs, fencing/cleanup costs, and as necessary, initial protection and enhancement of the compensation lands. If the Security is provided to allow the commencement of project disturbance prior to completion of compensation actions, the project owner has failed to comply with the conditions of certification, The security will be returned to the project owner upon completion of an implementation agreement with a third party mitigation banking entity acceptable to the CPM and CDFG, to acquire and/or manage the compensation lands. The security is calculated as follow:</p> <ul style="list-style-type: none"> - Costs of enhancing compensation lands are 					

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BIO-15 (cont.)	<p>estimated at \$250 per acre.</p> <ul style="list-style-type: none"> - Costs of establishing an endowment for long-term management of compensation land are estimated at \$1,300 per acre. <p>F. Reimbursement Fund. The project owner shall provide reimbursement to the CDFG or approved third party for reasonable expenses incurred during title, easement, and documentation review; expenses incurred from other state agency reviews; and overhead related to providing compensation lands. The project owner is responsible for all compensation lands acquisition/easement costs, including but not limited to, title and document review costs, as well as expenses incurred from other state agency reviews and overhead related to providing compensation lands to the department or approved third party; escrow fees or costs; environmental contaminants clearance; and other site cleanup measures. The project owner may choose to satisfy its mitigation obligations by paying an in-lieu fee instead of acquiring compensation lands to mitigate for 118.2 acres of habitat, pursuant to California Senate Bill 34 (enacting CESA § 2069 and 2099) or other applicable in-lieu fee provision, to the extent the in-lieu fee provision is found by the Energy Commission to be in compliance with CEQA and CESA requirements.</p>					
BIO-16	<p>TAMARISK ERADICATION, MONITORING, AND REPORTING PROGRAM. The project owner shall ensure effective removal of tamarisk by designing and implementing a monitoring and reporting plan. The plan shall include proposed methods for tamarisk removal and treatment, monitoring and maintenance procedures/timeline, irrigation, success standards and contingency measures, and monitoring and maintenance objectives to prevent the reinvasion of undesirable weeds and/or invasive wildlife species for a minimum of five years. This plan shall include identification</p>	<p>At least 30 days prior to any construction-related ground disturbance, the project owner shall submit to the CPM a copy of the Energy Commission staff- and CDFG-approved Tamarisk Eradication Monitoring and Reporting Plan, including success</p>	<p>Project Owner & Designated Biologist</p>	<p>Submit Tamarisk Eradication Monitoring and Reporting Plan at least 30 days prior to any construction-related ground disturbance.</p> <p>Monitoring and</p>	<p>Complete.</p>	<p>The revised Tamarisk Plan was approved by CEC on November 17. All tamarisk trees have been removed from the site.</p>

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BIO-16 (cont.)	<p>on a map of each location and size of non-native vegetation to be removed, and the methods proposed to remove and dispose of invasive wildlife species. Exotic, non-native, and invasive species removal shall be conducted throughout the monitoring and maintenance period. Prior to any tree removal, it will be verified that there are no nesting raptors or other MBTA-protected birds. For the CPM and CDFG to deem eradication successful:</p> <p>1) The site shall not contain more than 5 percent exotic plant species of the CPM and CDFG to deem the tamarisk removal successful.</p> <p>2) All plant species with rate of dispersal and establishment listed as “high” or “moderate” on the California Invasive Plant Inventory shall have documented absence, or have been removed from the site for at least three years for the CPM and CDFG to deem the site successful.</p> <p>3) The site shall not contain invasive wildlife species for the CPM and CDFG to deem the site successful. Monitoring and maintenance of the site shall be conducted for five years unless less monitoring can be justified. Following the first year of monitoring, if the project owner petitions to terminate the monitoring program, staff and CDFG will determine whether more years are of monitoring are needed.</p>	<p>criteria. The Designated Biologist shall submit annual reports to the CPM and CDFG describing the dates, durations and results of monitoring. The reports shall fully describe the status of the tamarisk at the eradication site, and shall describe any actions taken to remedy regrowth. The CPM and CDFG shall: 1) verify compliance with protective measures to ensure the accuracy of the project owner’s mitigation, monitoring and reporting efforts; and 2) review relevant documents maintained by the project owner, interview the project owner’s employees and agents, inspect the work site, and take other actions as necessary to assess compliance with or effectiveness of protective measures.</p>		<p>maintenance of the site shall be conducted for five years unless less monitoring can be justified.</p>		
BIO-17	<p>MONITORING IMPACTS OF SOLAR COLLECTING TECHNOLOGY ON BIRDS. The project owner shall prepare and implement a Bird Monitoring Study to monitor the death and injury of birds from collisions with facility features such as reflective mirror-like surfaces and from heat, and bright light from concentrating sunlight. The study design shall be approved by the CPM in consultation with the CDFG and USFWS, and shall be incorporated in to the projects BRMIMP and implemented. The Bird Monitoring Study shall include detailed specification on data and carcass collection protocol and a rationale justifying the proposed schedule or carcass searches. The study shall also include seasonal trials</p>	<p>At least 60 days prior to commercial operation, the project owner shall submit to the CPM, USFWS, and CDFG and draft Bird Monitoring Study. The CPM shall review and provide written comments within 15 days of receipt of the Bird Monitoring Study. At least 30 days prior to start of commercial</p>	Project Owner	<p>Submit a draft Bird Monitoring Study at least 60 days prior to commercial operation of the plant.</p>	Not started.	None.

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-17 (cont.)	to assess bias from carcass removal by scavengers as well as searcher bias.	<p>operation, the project owner shall provide the CPM with the final version of the Bird Monitoring Plan that has been reviewed and approved by the CPM, in consultation with CDFG and USFWS. All modifications to the Bird Monitoring Study shall be made only after approval from the CPM." All modifications to the Bird Monitoring Study shall be made only after approval from the CPM.</p> <p>For at least two years following the beginning of operation the Designated Biologist shall submit quarterly reports to the CPM, CDFG, and USFWS describing the dates, durations and results of monitoring. The quarterly reports shall provide a detailed description of any Project-related bird or wildlife deaths or injuries detected during the monitoring study or at any other time.</p> <p>Following the completion of the fourth quarter of monitoring the Designated Biologist shall prepare an Annual Report that summarizes the year's data, analyzes any Project-related bird fatalities or</p>				

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-17 (cont.)		<p>injuries detected, and provides recommendations for future monitoring and any adaptive management actions needed. The Annual Report shall be provided to the CPM, CDFG, and USFWS.</p> <p>Quarterly reporting shall continue until the CPM, in consultation with CDFG and USFWS, determine whether more years of monitoring are needed, and whether mitigation (e.g., development and/or implementation of bird deterrent technology) and/or adaptive management measures are necessary. After the Bird Monitoring Study is determined by the CPM to be complete, the project owner or contractor shall prepare a paper that describes the study design and monitoring results to be submitted to a peer-reviewed scientific journal. Proof of submittal shall be provided to the CPM within one year of concluding the monitoring study.</p>				
BIO-18	<p>RAVEN MANAGEMENT PLAN: The project owner shall implement the following measures to manage their construction site and related facilities in a manner to control raven populations and to mitigate cumulative and indirect impacts to desert tortoise associated with regional increases</p>	<p>At least 30 days prior to start of any construction-related ground disturbance activities, the project owner shall provide the</p>	<p>Project Owner & Designated Biologist</p>	<p>Submit the final version of a Raven Plan no less than 10 days prior to the start of any project-</p>	<p>Ongoing.</p>	<p>In November, responses to comments were incorporated into the draft Raven Management Plan, and</p>

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-18 (cont.)	<p>in raven numbers:</p> <ol style="list-style-type: none"> 1. <u>Common Raven Monitoring, Management, and Control Plan</u>. The project owner shall design and implement a Common Raven Monitoring, Management, and Control Plan that is consistent with the most current USFWS-approved raven management guidelines and that meets the approval of USFWS, CDFG, and Energy Commission staff. The Raven Plan shall: <ol style="list-style-type: none"> A. Identify conditions associated with the project that might provide raven subsidies or attractants; B. Describe management practices to avoid or minimize conditions that might increase raven numbers and predatory activities; C. Describe control practices for ravens; D. Address monitoring and nest removal during construction and for the life of the project; E. And discuss reporting requirements. 2. <u>USFWS Regional Raven Management</u>. The project owner shall submit payment to the project sub-account of the Renewable Energy Action Team (REAT) Account held by the National Fish and Wildlife Foundation (NFWF) to support the regional raven management plan. The amount shall be a one-time payment of \$105 per acre of land permanently disturbed by the project. 	<p>CPM, USFWS, and CDFG with the final version of the Raven Management Plan that has been reviewed and approved by USFWS and CDFG. The CPM shall determine the plan's acceptability within 10 days of receipt of the final plan. All modifications to the approved Raven Management Plan must be made only after consultation with the Energy Commission staff, USFWS, and CDFG. The project owner shall notify the CPM no less than five working days before implementing any CPM-approved modifications to the Raven Plan. Prior to start of any construction-related ground disturbance activities, the project owner shall submit to the CPM verification of payment to the REAT Account to support the regional raven monitoring plan. Payment shall be included in the AMS project's land management enhancement fund, pursuant to Condition of Certification BIO-15 (5(D)). Within 30 days after completion of project construction, the</p>		<p>related ground disturbance activities. Prior to the start of any Project-related ground disturbance activities, provide documentation that the one-time fee for the USFWS Regional Raven Management Program has been deposited to the REAT-NFWF subaccount for the Project. Within 30 days after completion of project construction, submit a report identifying which items of the Raven Plan have been completed, a summary of all modification to mitigation measures made during the project's construction phase, and which items are still outstanding.</p>		<p>it was submitted to CEC. The issue on the frequency of monitoring has been resolved. On November 3, 2011, Dale Rundquist stated that there were a few minor comments that still need to be addressed. The report was sent back to Matt Stucky, forwarded to AECOM for revisions, and then resubmitted to Matt Stucky. The next action is to conduct a conference call with the agencies to finalize the plan. As of February 9, 2012, no conference call had been scheduled.</p>

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-18 (cont.)		project owner shall provide to the CPM for review and approval a report identifying which items of the Raven Plan have been completed, a summary of all modifications to mitigation measures made during the project's construction phase, and which items are still outstanding.				
BIO-19	<p>EVAPORATION POND MONITORING AND ADAPTIVE MANAGEMENT PLAN: The project owner shall design and implement an Evaporation Pond Monitoring and Adaptive Management Plan that meets the requirements of the USFWS and CDFG, RWQCB, and the CPM. The objective of the Plan is to define the monitoring and reporting procedures as well as triggers for adaptive management strategies that shall be implemented to prevent wildlife mortality at the evaporation ponds. The plan shall include:</p> <ul style="list-style-type: none"> • A description of evaporation pond design features such as side slope specifications, freeboard and depth requirements, which will prevent use by wildlife; • A detailed description of the wildlife monitoring procedures and schedule. For the initial implementation of a new technology, daily monitoring shall be conducted both at the project evaporation ponds and the wetlands within the Harper Lake ACEC. Monitoring may be reduced to weekly and potentially bi-weekly or monthly depending on the results of initial monitoring period. • A detailed description of the water quality and water level monitoring procedures and schedule. Water quality and water level monitoring shall coincide with wildlife monitoring to provide a basis for comparative analysis. • A description of wildlife exclusion/deterrent technologies and adaptive management strategies. Technologies shall 	At least 30 days prior to operation of the evaporation ponds, the project owner shall provide the CPM, USFWS, RWQCB, and CDFG with the final version of the Plan that has been reviewed and approved by the CPM in consultation with USFWS, RWQCB, and CDFG. The project owner shall first submit a draft plan to the CPM that incorporates the guidance in this condition. The CPM, in coordination with USFWS, RWQCB, and CDFG, shall provide written comments to the project owner within 30 days of receipt of the draft plan and shall determine the acceptability of the final plan within 15 days of its receipt. All modifications to the	Project Owner & Designated Biologist	Submit Final Evaporation Pond Monitoring Plan at least 30 days prior to operation of the evaporation ponds. Monthly reports for the first year and quarterly thereafter.	Not started.	None.

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-19 (cont.)	<p>include, but are not limited to netting, and shall not disturb or harass non-target wildlife adjacent to the project area.</p> <ul style="list-style-type: none"> • Triggers for adaptive management (i.e., modifications to existing technology or replacement with new technology). Adaptive management shall be necessary if: <ol style="list-style-type: none"> 1) more than one dead bird per quarter is discovered at the evaporation ponds; or 2) one special status animal is discovered at the evaporation ponds; or 3) noise levels attributable to the technology exceed 60 dB at the Harper Lake ACEC wetlands. After three failed attempts at new technology or modification of existing technology, the ponds shall be netted; • Reporting requirements, to include monthly reporting for the first year if a technology other than netting is used. Reporting may be reduced to monthly or quarterly thereafter if no bird or wildlife deaths are reported during the first year. If wildlife mortality occurs at the ponds or if birds are disturbed at the marsh as described above, the CPM shall be notified within 10 days of the incident and the accompanying adaptive management action to be implemented. 	<p>approved Plan may be made by the CPM after consultation with USFWS, RWQCB, and CDFG. The project owner shall notify the CPM no less than five working days before implementing any CPM-approved modifications to the Evaporation Pond Plan.</p>				
BIO-20	<p>HARPER DRY LAKE MARSH WATER DELIVERY. To ensure continuity of water delivery to the Harper Dry Lake ACEC, the project owner shall not decommission the existing well on Mojave Solar, LLC-owned property that currently serves the Harper Dry Lake marsh (wetland well) until an alternate well is able to effectively convey a minimum of 75 acre-feet per year to the Harper Dry Lake marsh.</p>	<p>At least 15 days prior to decommissioning the wetland well, the project owner shall provide proof, to the satisfaction of the CPM, that the alternate well is completed and able to effectively convey a minimum of 75 acre feet per year to the Harper Dry Lake marsh. Proof shall include, but not be limited to, a description of the</p>	Project Owner	At least 15 days prior to decommissioning.	Not started.	None.

Condition ID	Description of Requirement	Verification	Responsible Party	Due Date	Status as of January 31, 2012	Notes
BIO-20 (cont.)		well parameters, as constructed.				
BIO 21	USFWS BIOLOGICAL OPINION. The project owner shall provide a copy of the Biological Opinion per Section 7 to the federal Endangered Species Act written by the USFWS in consultation with the U.S. Department of Energy. The terms and conditions contained in the Biological Opinion shall be incorporated into the project BRMIMP and implemented by the project owner.	For the Biological Opinion to effectively provide guidance on pre-construction actions for listed species (e.g., desert tortoise clearance surveys and translocation), the project owner shall submit to the CPM a copy of the USFWS's Biological Opinion at least 45 days prior to the start of any pre-construction site mobilization. At this time the project owner shall also verify that the permit terms and conditions of the Biological Opinion are incorporated into the BRMIMP and will be implemented.	Project Owner	At least 45 days prior to the start of any pre-construction site mobilization.	Complete.	The draft Biological Opinion was issued on March 2, 2011. The final Biological Opinion was issued on March 17, 2011. The Biological Opinion was activated by the Department of Energy at the end of August 2011, and a letter was received from the Department of Energy on September 1, 2011.

REFERENCES

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Avian Power Line Interaction Committee (APLIC). 2006. *Suggested Practices for Avian Protection on Power Lines: The State of the Art in 2006*. Edison Electric Institute, APLIC, and the California Energy Commission. Washington, DC, and Sacramento, CA.

California Burrowing Owl Consortium (CBOC). 1993. Burrowing Owl Survey Protocol and Mitigation Guidelines. Sacramento, CA.

California Department of Fish and Game (CDFG). 1995. Staff Report on Burrowing Owl Mitigation. Unpublished report.

California Department of Food and Agricultural (CDFA). 2009. *Weed Ratings; Action Oriented Rating System Purpose*. Agricultural Commissioners of California's Counties. Sacramento, CA.

Pagel, J. E., D. M. Whittington, and G. T. Allen. 2010. *Interim Golden Eagle Technical Guidance: Inventory and Monitoring Protocols and other Recommendations in Support of Eagle Management and Permit Issuance*. Division of Migratory Bird Management, U.S. Fish and Wildlife Service.

United States Fish and Wildlife Service (USFWS). 2009. Desert Tortoise Field Manual. December. Available at www.fws.gov/ventura/speciesinfo/protocols_guidelines.

ATTACHMENT 1
FIGURES



Source: Mojave Solar, LLC 2011; ESRI 2010

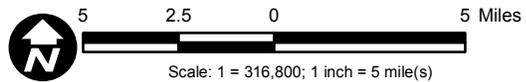
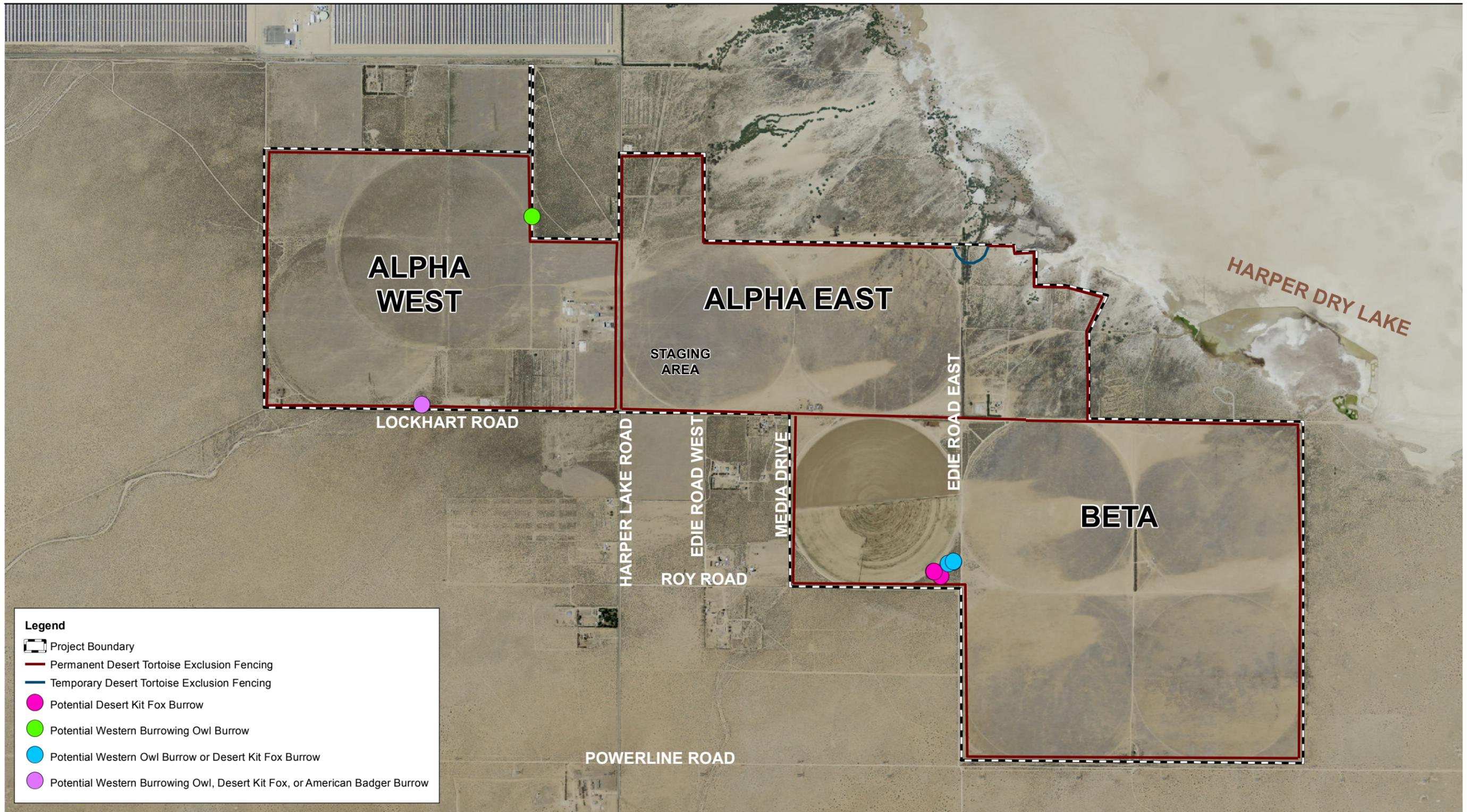


Figure 1
Regional Map



Legend

-  Project Boundary
-  Permanent Desert Tortoise Exclusion Fencing
-  Temporary Desert Tortoise Exclusion Fencing
-  Potential Desert Kit Fox Burrow
-  Potential Western Burrowing Owl Burrow
-  Potential Western Owl Burrow or Desert Kit Fox Burrow
-  Potential Western Burrowing Owl, Desert Kit Fox, or American Badger Burrow

Source: NAIP 2010; Mojave Solar, LLC 2011; AECOM 2011

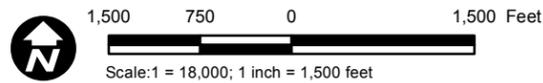


Figure 2
Current Status of Potential Sensitive Species on MSP
(as of January 31, 2012)

ATTACHMENT 2
LIST OF AGENCY-APPROVED BIOLOGISTS

Mojave Solar Project Agency-Approved Biologists as of October 31, 2011

Biologist	CEC				CDFG				USFWS	
	BM		DB		BM		DB		AB	
	Submitted	Approved	Submitted	Approved	Submitted	Approved	Submitted	Approved	Submitted	Approved
Andreano, Paul	3/11/2011	DT, WBO, birds			3/11/2011	submitted				
Asmus, Kristin	8/17/2011	KF, WBO, AB, birds								
Barratt, John	3/11/2011	DT			3/11/2011	submitted			3/11/2011	DT
Betzler, Joey	3/11/2011	DT			3/11/2011	submitted				
Bise, David	8/17/2011	KF, WBO, AB, birds								
Bloom, Pete	1/7/2011	GOEA, WBO, birds			1/7/2011	submitted				
Boisvert, Sally	3/30/2011	DT Clr.			3/30/2011	submitted			3/30/2011	DT
Brown, Alex	6/6/2011	MGS			6/6/2011	MGS			6/6/2011	MGS pending
Brown, Rocky	1/7/2011	WBO, KF, AB, DT			1/7/2011	submitted				
Buffington, Jim	3/11/2011	DT			3/11/2011	submitted			3/11/2011	not approved
Charlton, David	1/9/2012	All species for bio monitoring								
Conohan, Robert	1/7/2011	KF, WBO, AB, birds			1/7/2011	submitted				
Copeland, Donald	1/9/2012	All species for bio monitoring								
Currylow, Andrea	3/11/2011	DT Clr.			3/11/2011	submitted			3/30/2011	DT
Davenport, Arthur	3/11/2011	DT, WBO, birds			3/11/2011	submitted			3/11/2011	DT
Dayman, Shelly	1/7/2011	AB, KF, WBO, DT			1/7/2011	submitted			1/7/2011	not approved
Demetropoulos, Carl	8/17/2011	KF, WBO, AB, birds								
Donnan, Bill	3/30/2011	DT - CM only			3/30/2011	submitted			3/30/2011	not approved for DT

Mojave Solar Project Agency-Approved Biologists as of October 31, 2011

Biologist	CEC				CDFG				USFWS	
	BM		DB		BM		DB		AB	
	Submitted	Approved	Submitted	Approved	Submitted	Approved	Submitted	Approved	Submitted	Approved
Fisher, Andrew	1/7/2011	GOEA,WBO,birds			1/7/2011	submitted				
Furman, Cynthia	3/30/2011	DT Clr.			3/30/2011	submitted			3/30/2011	DT
German, Charles	3/11/2011	DT, WBO			3/11/2011	submitted			3/11/2011	Need to submit Resume and DT form
Germann, Donna	and 3/11/2011	WBO, DT, birds			1/7/2011	submitted			1/7/2011	Need to submit DT Form
Germany, Vick	8/17/2011	KF, WBO, AB, birds								
Green, Erich	3/11/2011	DT Clr.	3/11/2011 (Alt DB)	submitted	3/11/2011	submitted	3/11/2011 (Alt DB)	submitted	3/11/2011	DT
Harbin-Ireland, Angie	1/7/2011	AB,KF, WBO, birds			1/7/2011	submitted				
Hart, John Brooks	3/11/2011	DT, KF, WBO, birds	3/11/2011 (Alt DB)	submitted	3/11/2011	submitted	3/11/2011 (Alt DB)	submitted	3/11/2011	DT
Hatch, Andrew	8/17/2011	KF, WBO, AB, birds								
Hasskamp, M.A.	3/11/2011	DT, WBO, KF			3/11/2011	submitted			3/11/2011	DT
Hasskamp, William	3/11/2011	DT, WBO, KF			3/11/2011	submitted			3/11/2011	DT
Hermansens, Ted	8/17/2011	KF, WBO, AB, birds								
Hill, Holly	8/17/2011	KF, WBO, AB, birds								
Hinderlie, Danna			1/7/2011	Alt DB-All			1/7/2011	submitted	1/7/2011	DT
Huang, Joseph	8/17/2011	KF, WBO, AB, birds								
Ireland, Mike	1/7/2011	AB,KF, WBO, birds			1/7/2011	submitted				

Mojave Solar Project Agency-Approved Biologists as of October 31, 2011

Biologist	CEC				CDFG				USFWS	
	BM		DB		BM		DB		AB	
	Submitted	Approved	Submitted	Approved	Submitted	Approved	Submitted	Approved	Submitted	Approved
Jones, Charlie	3/11/2011	DT Clr.	3/11/2011 (Alt DB)	submitted			3/11/2011 (Alt DB)	submitted	3/11/2011	DT
Kedziora, Matt	1/7/2011	WBO, KF, AB			1/7/2011	submitted				
Keyes, George Jr.	3/11/2011	DT			3/11/2011	submitted			1/11/2011	DT
Knowles, Craig	3/11/2011	DT Clr.	1/20/2011	Alt DB-All			1/20/2011	submitted	1/20/2011	DT
LaCoste, Erik	1/7/2011	WBO, birds, DT	1/7/2011		1/7/2011	submitted	1/7/2011	submitted		
Leitner, Phil			1/7/2011	Lead DB (MGS)			1/7/2011	Lead MGS		
Lukasek, Gregg	3/11/2011	DT, KF, AB, WBO			3/11/2011	submitted			3/11/2011	not approved
Malle, Matthew	3/11/2011	DT, WBO, birds			3/11/2011	submitted				
Mengistu, Tsegaye	8/17/2011	DT, KF, AB, WBO	8/30/2011	Alt DB-All					8/30/2011	pending
McGuire, Raphael	3/30/2011	DT Clr.			3/30/2011	submitted			3/30/2011	DT
McMorran, Jimmy	1/7/2011	WBO, birds			1/7/2011	submitted				
Mulrooney, Brennan	3/11/2011	WBO, birds			3/11/2011	submitted				
Pagliughi, Stephen	8/17/2011	KF, WBO, AB, birds								
Poole, Tina	3/11/2011	DT			3/11/2011	submitted			3/11/2011	DT
Romero, Ray			8/30/2011	Alt DB-All					8/30/2011	pending
Rathbun, Mike	3/11/2011	DT, WBO, birds			3/11/2011	submitted			3/11/2011	not approved
Rios, Elina	8/22/2011	DT- CM only			8/22/2011	submitted				
Rivera, Milo	3/11/2011	DT, WBO			3/11/2011	submitted			3/11/2011	DT
Role, Abraham	3/11/2011	DT Clr.			3/11/2011	submitted			3/11/2011	DT

Mojave Solar Project Agency-Approved Biologists as of October 31, 2011

Biologist	CEC				CDFG				USFWS	
	BM		DB		BM		DB		AB	
	Submitted	Approved	Submitted	Approved	Submitted	Approved	Submitted	Approved	Submitted	Approved
Roth, Julie	8/17/2011	KF, WBO, AB, birds								
Scanlon, Chris	3/11/2011	DT Clr.			3/11/2011	submitted			3/11/2011	DT
See, Gretchen	3/11/2011	DT Clr.			3/11/2011	submitted			3/11/2011	DT
Skousen, Tim	3/11/2011	DT Clr.			3/11/2011	submitted			3/11/2011	DT
Terry, Dana	3/7/2011	WBO, birds, DT			1/7/2011	submitted				
Verge, Joseph	3/11/2011	DT Clr.			3/11/2011	submitted			3/11/2011	DT
Vogler, Wayne	3/11/2011	DT Clr.			3/11/2011	submitted				
Walker, Ron	6/29/2011	DT, KF, AB, birds, WBO								
Walker, Tracy	8/17/2011	KF, WBO, AB, birds								
Wood, Peggy			1/7/2011	Lead DB-All			1/7/2011	submitted	1/7/2011	DT
Woodard, Rachel	3/11/2011	DT Clr.			3/11/2011	submitted			3/11/2011	DT
Wunderlich, Veronica	1/7/2011	AB, KF, WBO, birds			1/7/2011	submitted				

Legend:

USFWS=US Forest & Wildlife Service
 CEC= CA Energy Commission
 CDFG=CA Dept. Fish and Game

MGS=Mojave Ground Squirrel
 WBO=Western Burrowing Owl
 Clr. = Clearance Surveys
 T=Transmitting

AB=Authorized Biologist
 DB=Designated Biologist
 CM=Construction Monitor
 H=Handling

AB=American Badger
 GOEA=Golden Eagle
 KF=Kit Fox
 DT=Desert tortoise

ATTACHMENT 3
WEAP TRAINING SIGN-IN SHEETS

Certification of Completion Worker Environmental Awareness Program Mojave Solar Project (09-AFC-5)

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 biological, cultural, and paleontological 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.	IRMA MORENO	CM. PALGE	<i>Irma Moreno</i>
2.	Thomas Osuna	Red tail	<i>Thomas Osuna</i>
3.	Dave Elliott	Red tail	<i>Dave Elliott</i>
4.	Dale Daw	Sukit	<i>Dale Daw</i>
5.	George Abico	SUKIT	<i>George Abico</i>
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Biological Trainer: Peggy Wood Signature: Peggy Wood Date: 1/3/12

Cultural Trainer: _____ Signature: _____ Date: / /

Paleo Trainer: _____ Signature: _____ Date: / /

Certification of Completion Worker Environmental Awareness Program Mojave Solar Project (09-AFC-5)

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 biological, cultural, and paleontological 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.	Ken R Livingston	Operator Mechanic ^{Riley} / ^{Scrapers}	Ken R Livingston
2.	Alejandra Moreno	Teyma USA	Alejandra Moreno Aguilera
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Biological Trainer: Peggy Wood Signature: Peggy Wood Date: 1/9/12

Cultural Trainer: _____ Signature: _____ Date: / /

Paleo Trainer: _____ Signature: _____ Date: / /

Certification of Completion Worker Environmental Awareness Program Mojave Solar Project (09-AFC-5)

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 biological, cultural, and paleontological 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.	Leonel Carballosa	Miller	Leonel Carballosa
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Biological Trainer: Peggy Wood Signature: Peggy Wood Date: 11/11/12

Cultural Trainer: _____ Signature: _____ Date: / /

Paleo Trainer: _____ Signature: _____ Date: / /

Certification of Completion Worker Environmental Awareness Program Mojave Solar Project (09-AFC-5)

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 biological, cultural, and paleontological 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.	DEMETRID ESPARZA	C & C TRUCKING	<i>[Signature]</i>
2.	ANTONIA MALIAS	C & C TRUCKING	<i>[Signature]</i>
3.	LEONARD LOPEZ	LEONARD'S TRK	<i>[Signature]</i>
4.	Adelmo Valdes	C & C Trucking	<i>[Signature]</i>
5.	Mike Montre	Pro Water	<i>[Signature]</i>
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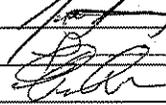
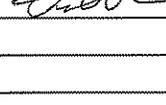
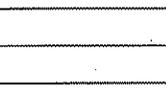
Biological Trainer: Peggy Wood Signature: Peggy Wood Date: 1/12/12

Cultural Trainer: _____ Signature: _____ Date: / /

Paleo Trainer: _____ Signature: _____ Date: / /

Certification of Completion Worker Environmental Awareness Program Mojave Solar Project (09-AFC-5)

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 biological, cultural, and paleontological 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.	Richard Reyes	PM SCE	
2.	Serald Foster	PM/SCE	
3.	FACUN GARCIA	PM/SCE	
4.	ERNE ADAMS	TRN SCE	
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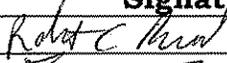
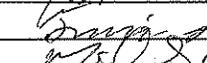
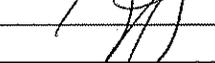
Biological Trainer: Peggy Wood Signature: Peggy Wood Date: 1/13/12

Cultural Trainer: _____ Signature: _____ Date: / /

Paleo Trainer: _____ Signature: _____ Date: / /

Certification of Completion Worker Environmental Awareness Program Mojave Solar Project (09-AFC-5)

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 biological, cultural, and paleontological 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.	Robert C. Bernard	Strait Line	
2.	ADAM JOENS	STRAIT LINE	
3.	Justin Gonzales	SCE	
4.	TRAVIS WILLEN	SCE	
5.	MIKE OLSON	SCE	
6.	ARMANDO VASQUEZ	SCE	
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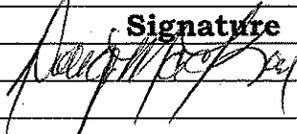
Biological Trainer: Peggy Wood Signature: Peggy Wood Date: 1/17/12

Cultural Trainer: _____ Signature: _____ Date: / /

Paleo Trainer: _____ Signature: _____ Date: / /

Certification of Completion Worker Environmental Awareness Program Mojave Solar Project (09-AFC-5)

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 biological, cultural, and paleontological 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.	DOUGLAS D. MACKAY	STRAIGHT LINE	
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Biological Trainer: Peggy Wood Signature: Peggy Wood Date: 1/18/12
 Cultural Trainer: _____ Signature: _____ Date: / /
 Paleo Trainer: _____ Signature: _____ Date: / /

Certification of Completion Worker Environmental Awareness Program Mojave Solar Project (09-AFC-5)

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 biological, cultural, and paleontological 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.	Laura Maria	AFCOM	Laura Maria
2.	Jennifer Brucze	AFCOM	Jennifer Brucze
3.	Tommy Harpen	RED TAIL	Tommy Harpen
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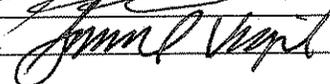
Biological Trainer: Peggy Wood Signature: Peggy Wood Date: 1/19/12

Cultural Trainer: Stephanie Low Signature: [Signature] Date: 1/19/12

Paleo Trainer: _____ Signature: _____ Date: 1/1

Certification of Completion Worker Environmental Awareness Program Mojave Solar Project (09-AFC-5)

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 biological, cultural, and paleontological 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.	Ricardo Coltazar	VERDE SOLUTIONS	
2.	SAMUEL VISIL	VERDE SOLUTIONS	
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Biological Trainer: Peggy Wood Signature: Peggy Wood Date: 1 / 20 / 12
 Cultural Trainer: _____ Signature: _____ Date: / /
 Paleo Trainer: _____ Signature: _____ Date: / /

Certification of Completion Worker Environmental Awareness Program Mojave Solar Project (09-AFC-5)

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 biological, cultural, and paleontological 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.	DAVID ELLIOTT	REDTAIL CO.	<i>David Elliott</i>
2.	DEAN H. LINTON JR.	REDTAIL NATIVE	<i>[Signature]</i>
3.	Don Jensen	HIXSON	<i>[Signature]</i>
4.	Julie Roth	AFCOM	<i>[Signature]</i>
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Biological Trainer: Peggy Wood Signature: *Peggy Wood* Date: 1/23/12

Cultural Trainer: K. Ross Way Signature: *[Signature]* Date: 1/23/2012

Paleo Trainer: _____ Signature: _____ Date: / /

Certification of Completion Worker Environmental Awareness Program Mojave Solar Project (09-AFC-5)

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 biological, cultural, and paleontological 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.	Jack Church	Northwest Ex	<i>Jack Church</i>
2.	Dino Bucci	Straight line	<i>Dino B</i>
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Biological Trainer: *Peggy Wood* Signature: *Peggy Wood* Date: 1/24/12
 Cultural Trainer: _____ Signature: _____ Date: / /
 Paleo Trainer: _____ Signature: _____ Date: / /

Certification of Completion Worker Environmental Awareness Program Mojave Solar Project (09-AFC-5)

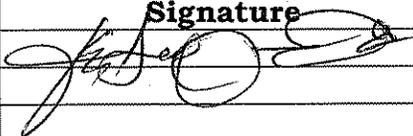
This is to acknowledge these individuals have completed a mandatory California Energy Commission-approved Worker Environmental Awareness Program (WEAP). The WEAP includes pertinent information on biological, cultural, and paleontological resources for all personnel (that is, construction supervisors,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

No.	Employee Name	Title/Company	Signature
1.	Joseph Huang	Biologist / AECOM	<i>Joseph Huang</i>
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Biological Trainer: Peggy Wood Signature: *Peggy Wood* Date: 1/25/12
 Cultural Trainer: _____ Signature: _____ Date: / /
 Paleo Trainer: _____ Signature: _____ Date: / /

Certification of Completion Worker Environmental Awareness Program Mojave Solar Project (09-AFC-5)

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 biological, cultural, and paleontological 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.	JIM SEYFRIED	FOREMAN/SOLWT	
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Biological Trainer: Peggy Wood Signature: Peggy Wood Date: 1/26/12

Cultural Trainer: _____ Signature: _____ Date: / /

Paleo Trainer: _____ Signature: _____ Date: / /

Certification of Completion Worker Environmental Awareness Program Mojave Solar Project (09-AFC-5)

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 biological, cultural, and paleontological 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.	Jason Barker	SUKUT	<i>Jason Barker</i>
2.	PETE HUBER	SUKUT	<i>Pete Huber</i>
3.	Mitch DUMM	SUKUT	<i>Mitch Dumm</i>
4.	NANCY ELDER	PSF	<i>Nancy Elder</i>
5.	Ricardo Rodriguez	N.C.M	<i>Ricardo Rodriguez</i>
6.	Feliciano Hdez	N.C.M	<i>Feliciano Hdez</i>
7.	AGAPITO ZUNIGA	N.C.M	<i>Agapito Zuniga</i>
8.	Luis ZUNIGA	N.C.M	<i>Luis Zuniga</i>
9.	Eduardo Chavez	N.C.M	<i>Eduardo Chavez</i>
10.	Ruben Perez	N.C.M	<i>Ruben Perez</i>
11.	Alex NAVARRO	N.C.M	<i>Alexander Navarro</i>
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Biological Trainer: Peggy Wood Signature: Peggy Wood Date: 1/27/12

Cultural Trainer: _____ Signature: _____ Date: 1/1

Paleo Trainer: _____ Signature: _____ Date: 1/1

Certification of Completion Worker Environmental Awareness Program Mojave Solar Project (09-AFC-5)

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 biological, cultural, and paleontological 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.	DAVID CARVER	OPERATOR/HINSON	[Signature]
2.	MIKE MILLER	OPERATOR/RILEYS	[Signature]
3.	MANUEL GUZMAN	NATIONAL	[Signature]
4.	EPI MARTINEZ	National	[Signature]
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Biological Trainer: Peggy Wood Signature: Peggy Wood Date: 1/31/12

Cultural Trainer: _____ Signature: _____ Date: / /

Paleo Trainer: _____ Signature: _____ Date: / /

Safety Meeting / Training Attendance Form

All AECOM personnel and subcontractor personnel covered by the HASP must attend the Health & Safety Overview training prior to field operation. In addition, all AECOM employees and subcontractors covered by the HASP must participate in the daily tailgate meetings.

It is important that the form be completed in its entirety. Site Technical Leads will ensure that the Safety Meeting/Training Attendance Forms are properly completed and submitted to the Site Safety Officer and Office Safety Representative weekly.

Conducted by:	Peggy Wood	Date Performed:	1-3-12
Topics Discussed:	1. (e.g., Review content of the HASP and Job Safety Analysis)		
	2.		
	3.		
	4.		

Printed Name	Signature	Organization
Holly Hill	Holly Hill	AECOM
Edward Linden	[Signature]	SWCA
RON WALKER	Ron Walker	AECOM
Kristine Yates	[Signature]	"
Patricia McGinnis	[Signature]	
Max Wolk	[Signature]	AECOM
Brian Spotts	[Signature]	AECOM
Nateasha Eggen	[Signature]	AECOM
Rachel Smith	[Signature]	REDTAIL
Dave Elliott	[Signature]	REDTAIL
K. Ross Way	[Signature]	AECOM
Thomas Osuner	[Signature]	Red-tail
JUSTIN LINTON	[Signature]	REDTAIL
Tsegaye Mengistu	[Signature]	AECOM

ROBIN MITCHELL EPIC Plus AECOM
 HOWIE DIAZ AECOM
 [Signature] AECOM
 AARON CROW [Signature] AECOM
 AECOM [Signature] AECOM
 Revised January 2011

Safety Meeting /Training Attendance Form

All AECOM personnel and subcontractor personnel covered by the HASP must attend the Health & Safety Overview training prior to field operation. In addition, all AECOM employees and subcontractors covered by the HASP must participate in the daily tailgate meetings.

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Conducted by:	Peggy Wood	Date Performed:	1-4-12
Topics Discussed:	1. (e.g., Review content of the HASP and Job Safety Analysis)		
	2.		
	3.		
	4.		
Printed Name	Signature	Organization	
PATRICK MCGINNIS	<i>Patrick McGinnis</i>	AECOM	
Evan Mills	<i>Evan Mills</i>	AECOM	
A. Cruz	<i>A. Cruz</i>	AECOM	
Max Wolk	<i>Max Wolk</i>	AECOM	
Brian Speits	<i>Brian Speits</i>	AECOM	
Rachael Smith	<i>Rachael Smith</i>	RENTAIL	
Natausha Eggen	<i>Natausha Eggen</i>	AECOM	
Dave Elliott	<i>Dave Elliott</i>	RENTAIL	
JUSTIN LINTON	<i>Justin Linton</i>	RENTAIL	
Thomas Osmer	<i>Thomas Osmer</i>	RENTAIL	
EPIC PILLS	<i>Epil Pills</i>	AECOM	
Edward Under	<i>Edward Under</i>	SWCA	
Holly Hill	<i>Holly Hill</i>	AECOM	
Isyaye Mungistu	<i>Isyaye Mungistu</i>	AECOM	
Kristine Yates	<i>Kristine Yates</i>	"	
Ray Romero	<i>Ray Romero</i>	AECOM	

Safety Meeting / Training Attendance Form

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Conducted by:	Peggy Wood	Date Performed:	1-5-12
Topics Discussed:	1. (e.g., Review content of the HASP and Job Safety Analysis)		
	2.		
	3.		
	4.		

Printed Name	Signature	Organization
PATRICK McGinnis	<i>Patrick McGinnis</i>	AECOM
Kristine Yates	<i>K Yates</i>	"
BRENNAN MURKOVSKY	<i>Brennan Murkovsky</i>	"
John Hill	<i>John Hill</i>	AECOM
Brian Speltz	<i>Brian Speltz</i>	AECOM
Stephanie Jun	<i>Stephanie Jun</i>	AECOM
K. Ross Way	<i>K Ross Way</i>	AECOM
EPIC PIRIS	<i>Epic Pirus</i>	AECOM
Edward Linden	<i>Edward Linden</i>	SNCA
EVAN MILLS	<i>Evan Mills</i>	AECOM
ACRIZ	<i>ACRIZ</i>	AECOM
Dave Elliott	<i>Dave Elliott</i>	Red Tail
Rachel Smith	<i>Rachel Smith</i>	Red Tail
Natasha Eggen	<i>Natasha Eggen</i>	AECOM

ROBIN MITCHELL		AECOM
HOWIE DIAZ		AECOM
JUSTIN LINTON	<i>JAL</i>	RED TAIL
Max Wolk	<i>Max Wolk</i>	AECOM
AECOM	<i>mw</i>	Revised January 2011
Vijaya Murgeshi		AECOM
Thomas Osun	<i>Thomas</i>	Red Tail

Safety Meeting /Training Attendance Form

All AECOM personnel and subcontractor personnel covered by the HASP must attend the Health & Safety Overview training prior to field operation. In addition, all AECOM employees and subcontractors covered by the HASP must participate in the daily tailgate meetings.

It is important that the form be completed in its entirety. Site Technical Leads will ensure that the Safety Meeting/Training Attendance Forms are properly completed and submitted to the Site Safety Officer and Office Safety Representative weekly.

Conducted by:	Peggy Wood	Date Performed:	1-6-12
Topics Discussed:	1. (e.g., Review content of the HASP and Job Safety Analysis)		
	2.		
	3.		
	4.		

Printed Name	Signature	Organization
Holly Hill	<i>[Signature]</i>	AECOM
Stephanie Jon	<i>[Signature]</i>	AECOM
K. Ross Way	<i>[Signature]</i>	AECOM
EPIC Pili's	<i>[Signature]</i>	AECOM
Even Mills	<i>[Signature]</i>	AECOM
A. Crow	<i>[Signature]</i>	AECOM
K. Yates	<i>[Signature]</i>	"
Max Walk	<i>[Signature]</i>	AECOM
Natausha Eggen	<i>[Signature]</i>	AECOM
Rachael Smith	<i>[Signature]</i>	RETAIL
Edward Linden	<i>[Signature]</i>	SWCA
Brian Spelts	<i>[Signature]</i>	AECOM
Dave Elliott	<i>[Signature]</i>	Retail
Justin Linton	<i>[Signature]</i>	RETAIL
ROBIN MITCHELL	<i>[Signature]</i>	AECOM
HOWARD DIAZ	<i>[Signature]</i>	AECOM
Thomas Oser	<i>[Signature]</i>	Retail
Treygan Mergsten	<i>[Signature]</i>	AECOM

Safety Meeting /Training Attendance Form

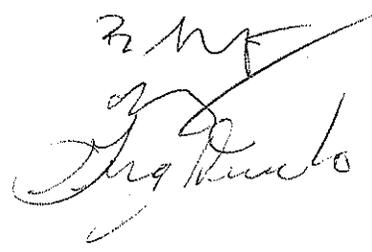
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It is important that the form be completed in its entirety. Site Technical Leads will ensure that the Safety Meeting/Training Attendance Forms are properly completed and submitted to the Site Safety Officer and Office Safety Representative weekly.

Conducted by:	Peggy Wood	Date Performed:	1-9-12
Topics Discussed:	1. (e.g., Review content of the HASP and Job Safety Analysis)		
	2.		
	3.		
	4.		

Printed Name	Signature	Organization
EPIC PIUS	<i>Epico Pius</i>	AECOM
Holly Hill	<i>Holly Hill</i>	AECOM
Ron Walker	<i>Ron Walker</i>	AECOM
XXXXXXXXXX	XXXXXXXXXX	AECOM
K. Koss Way	<i>K. Koss</i>	AECOM
Ernst Miller	<i>Ernst Miller</i>	AECOM
Max Wally	<i>Max Wally</i>	AECOM
Edward Linden	<i>Ed Linden</i>	SWCA
Justin Linton	<i>Justin Linton</i>	RED TAIL
A. Cruz	<i>A. Cruz</i>	AECOM
Steven Brierty	<i>Steven Brierty</i>	AECOM
Rebecca Brierty	<i>Rebecca Brierty</i>	AECOM
Dave Elliott	<i>Dave Elliott</i>	Red tail
Thomas Osuna	<i>Thomas Osuna</i>	Red tail

HOWIE DIAZ
 ROBIN MITCHELL
 Brian Speltz
 MATT KEDZIORA
 AECOM
 GREG DEREVIANKO


 Greg Derevianko

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 Revised January 2011
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Safety Meeting / Training Attendance Form

All AECOM personnel and subcontractor personnel covered by the HASP must attend the Health & Safety Overview training prior to field operation. In addition, all AECOM employees and subcontractors covered by the HASP must participate in the daily tailgate meetings.

It is important that the form be completed in its entirety. Site Technical Leads will ensure that the Safety Meeting/Training Attendance Forms are properly completed and submitted to the Site Safety Officer and Office Safety Representative weekly.

Conducted by:	Peggy Wood	Date Performed:	1-10-12
Topics Discussed:	1. (e.g., Review content of the HASP and Job Safety Analysis)		
	2.		
	3.		
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Printed Name	Signature	Organization	
A. Cruz	[Signature]	AECOM	
Evan Mills	[Signature]	AECOM	
Max Wolk	[Signature]	AECOM	
EPIC Pius	[Signature]	AECOM	
RON WALKER	[Signature]	AECOM	
Greg Dorevanko	[Signature]	AECOM	
Brian Spells	[Signature]	AECOM	
Holly Hill	[Signature]	AECOM	
Steven Brierty	[Signature]	AECOM	
Rebecca Brierty	[Signature]	AECOM	
Dave Elliott	[Signature]	Redtail	
Thomas Osuna	[Signature]	Redtail	
JUSTIN LINTON	[Signature]	RED TAIL	
K. Ross Way	[Signature]	AECOM	

HOWARD DIAZ
 ROBIN MITCHELL
 Edward Linden
 [Signature]
 AECOM

[Signature]
 [Signature]

AECOM
 AECOM
 SWCA
 AECOM
 Revised January 2011

Safety Meeting / Training Attendance Form

All AECOM personnel and subcontractor personnel covered by the HASP must attend the Health & Safety Overview training prior to field operation. In addition, all AECOM employees and subcontractors covered by the HASP must participate in the daily tailgate meetings.

It is important that the form be completed in its entirety. Site Technical Leads will ensure that the Safety Meeting/Training Attendance Forms are properly completed and submitted to the Site Safety Officer and Office Safety Representative weekly.

Conducted by:	Peggy Wood	Date Performed:	1-11-12
Topics Discussed:	1. (e.g., Review content of the HASP and Job Safety Analysis)		
	2.		
	3.		
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Printed Name	Signature	Organization	
GREG DEREMANSKI	<i>[Signature]</i>	AECOM	
K. Ross Way	<i>[Signature]</i>	AECOM	
EWAN MILK	<i>[Signature]</i>	AECOM	
Bryan Sells	<i>[Signature]</i>	AECOM	
RON WALKER	<i>[Signature]</i>	AECOM	
MICHAEL MORA	<i>[Signature]</i>	AECOM	
Holly Hill	<i>[Signature]</i>	AECOM	
Dave Elliott	<i>[Signature]</i>	Retail	
A. Cruz	<i>[Signature]</i>	AECOM	
Thomas Osuna	<i>[Signature]</i>	Retail	
Steven Brierty	<i>[Signature]</i>	AECOM	
Rebecca Brierty	<i>[Signature]</i>	AECOM	
JUSTIN LINTON	<i>[Signature]</i>	RED TAIL	
Edward Linden	<i>[Signature]</i>	SWCA	
EPIC PILLS	<i>[Signature]</i>	AECOM	
HOWIE DIAZ		AECOM	
ROBIN MITCHELL		AECOM	
MATT KEDZIO RA	<i>[Signature]</i>	AECOM	
BRENNAN MURPHY	<i>[Signature]</i>	AECOM	
AECOM		Revised January 2011	

Safety Meeting /Training Attendance Form

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Conducted by:	Peggy Wood.	Date Performed:	1-12-12
Topics Discussed:	1. (e.g., Review content of the HASP and Job Safety Analysis)		
	2.		
	3.		
	4.		

Printed Name	Signature	Organization
BRENNAN MURROONEY	<i>[Signature]</i>	AECOM
GREGORY DESERVAUX	<i>[Signature]</i>	AECOM
A. Cruz	<i>[Signature]</i>	AECOM
RON WALKER	Ron Walker	AECOM
Max Welk	Max Welk	AECOM
Holly Hill	Holly Hill	AECOM
EPIE PIUS	Epie Pius	AECOM
Simon Saults	<i>[Signature]</i>	AECOM
Evan Mills	<i>[Signature]</i>	AECOM
K. Ross Way	<i>[Signature]</i>	AECOM
Edward Linden	<i>[Signature]</i>	SNCA
Stephane Jun	<i>[Signature]</i>	AECOM
JUSTIN HARTON	<i>[Signature]</i>	RED TAIL
Thomas Osuna	<i>[Signature]</i>	Red tail
Rebecca Brierty	<i>[Signature]</i>	AECOM
HOWIE DINZ	<i>[Signature]</i>	AECOM
ROBIN MITCHELL	<i>[Signature]</i>	AECOM
Dave Elliott	<i>[Signature]</i>	Redtail
AECOM Steven Brierty	<i>[Signature]</i>	AECOM

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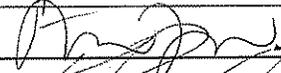
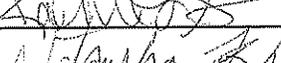
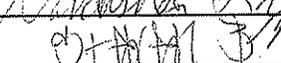
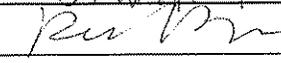
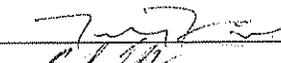
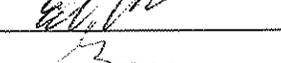
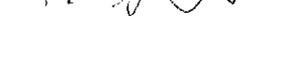
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Conducted by:	Peggy Wood	Date Performed:	1-13-11
Topics Discussed:	1. (e.g., Review content of the HASP and Job Safety Analysis)		
	2.		
	3.		
	4.		
Printed Name	Signature	Organization	
A. Crow	[Signature]	AECOM	
RON WALKER	[Signature]	AECOM	
Ben Mills	[Signature]	AECOM	
K. Ross Way	[Signature]	AECOM	
Max Walk	[Signature]	AECOM	
Brian Saults	[Signature]	AECOM	
Holly Hill	[Signature]	AECOM	
GREG DERIVANKO	[Signature]	AECOM	
Edward Linden	[Signature]	SWCA	
EPIC PIUS	[Signature]	AECOM	
Thomas Osune	[Signature]	Red Tail	
Justin Linton	[Signature]	Red Tail	
Natausha Egan	[Signature]	AECOM	
Steven Brierty	[Signature]	AECOM	
Rebecca Brierty	[Signature]	AECOM	
Brennan Mulrooney	[Signature]	AECOM	

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Conducted by:	Peggy Wood	Date Performed:	1-17-12
Topics Discussed:	1. (e.g., Review content of the HASP and Job Safety Analysis)		
	2.		
	3.		
	4.		
Printed Name	Signature	Organization	
Stephanie Jow		AECOM	
K. Ross Way		AECOM	
GREG DOROVIANKO		AECOM	
Holly Hill		AECOM	
EPIC Pius		AECOM	
PAUL ROMERO		AECOM	
Amirac Vishar		AECOM	
RIMEL SMITH		AECOM	
Natausha Eggen		AECOM	
Steven Brierty		AECOM	
Rebecca Brierty		AECOM	
Tommy HERRERA		RED TAIL	
Edward Linden		SWCA	
Isejaye Mengesha		AECOM	
Brian Spotts		AECOM	

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Conducted by:	Peggy Wood	Date Performed:	1-18-12
Topics Discussed:	1. (e.g., Review content of the HASP and Job Safety Analysis)		
	2.		
	3.		
	4.		
Printed Name	Signature	Organization	
Stephanie Jon	<i>[Signature]</i>	AECOM	
Ki Ross Way	<i>[Signature]</i>	AECOM	
EVAN MILLER	<i>[Signature]</i>	AECOM	
EPHIE PILES	<i>[Signature]</i>	AECOM	
Max Walk	<i>[Signature]</i>	AECOM	
Rachel Smith	<i>[Signature]</i>	AECOM	
GREG DEREWANKO	<i>[Signature]</i>	AECOM	
Natasha Eggen	<i>[Signature]</i>	AECOM	
Holly Hill	<i>[Signature]</i>	AECOM	
Andrew Fisher	<i>[Signature]</i>	AECOM	
Justin Linton	<i>[Signature]</i>	RED TAIL	
Tommy Heere	<i>[Signature]</i>	RED TAIL	
Edward Linden	<i>[Signature]</i>	SWCA	
Ray Romero	<i>[Signature]</i>	AECOM	
Brian Spelts	<i>[Signature]</i>	AECOM	

Howie Diaz
 Robin Mitchell
 AECOM *[Signature]*

[Signature]

AECOM
 AECOM
 Revised January 2011
[Signature]

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Conducted by:	Peggy Wood	Date Performed:	1-19-12
Topics Discussed:	1. (e.g., Review content of the HASP and Job Safety Analysis)		
	2.		
	3.		
	4.		
Printed Name	Signature	Organization	
RON WALKER	Ron Walker	AECOM	
EPIC PINS	Eric Pins	AECOM	
Laura Maria	[Signature]	AECOM	
JENNIFER BENCZE	Jennifer Bencze	AECOM	
[Signature]	K. Ross Way	AECOM	
GREG DOREVIANIKO	Greg Dorevianiko	AECOM	
Evan Mills	Evan Mills	AECOM	
Max Walker	Max Walker	AECOM	
Tommy Herrera	Tommy Herrera	RED TAIL	
Rachel Smith	Rachel Smith	AECOM	
Edward Linden	Edward Linden	SWCA	
Holly Hill	Holly Hill	AECOM	
MATT KEDZIORA	[Signature]	AECOM	
JUSTIN HINTON	[Signature]	RED TAIL	
tsegaye megistu	[Signature]	AECOM	

Howie Diaz
Robin Mitchell
AECOM

AECOM
AECOM
Revised January 2011

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Conducted by:	Peggy Wood	Date Performed:	1-20-12
Topics Discussed:	1. (e.g., Review content of the HASP and Job Safety Analysis)		
	2.		
	3.		
	4.		
Printed Name	Signature	Organization	
Ron Walker	Ron Walker	AECOM	
Laura Maria	Laura Maria	AECOM	
Jennifer Benzge	Jennifer Benzge	AECOM	
Matthew Kedziora	[Signature]	AECOM	
Evans Mills	[Signature]	AECOM	
Max Walk	[Signature]	AECOM	
Holly Hill	Holly Hill	AECOM	
EDIE PIIL	[Signature]	AECOM	
JUSTIN LINTON	[Signature]	RED TAIL	
Tommy Herrera	[Signature]	RED TAIL	
K. Ross Way	[Signature]	AECOM	
Rachel Smith	[Signature]	RED TAIL	
GREG DEREVANSKO	[Signature]	AECOM	
Edward Linden	[Signature]	SWCA	

teegay mengistan
 Rebecca Brierty
 Howie Diaz
 Robin Mitchell
 AECOM
 Steven Brierty

[Signature]
 [Signature]
 [Signature]

AECOM
 AECOM
 Revised January 2011
 AECOM

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Conducted by:	Peggy Wood	Date Performed:	1-23-12
Topics Discussed:	1. (e.g., Review content of the HASP and Job Safety Analysis)		
	2.		
	3.		
	4.		

Printed Name	Signature	Organization
Max Wolk	<i>[Signature]</i>	AECOM
Holly Hill	<i>[Signature]</i>	AECOM
Levan Mills	<i>[Signature]</i>	AECOM
Julie Roth	<i>[Signature]</i>	AECOM
Jennifer Benzze	<i>[Signature]</i>	AECOM
Laura Maria	<i>[Signature]</i>	AECOM
Ki Ross Way	<i>[Signature]</i>	AECOM
<i>[Signature]</i>	<i>[Signature]</i>	AECOM
Tommy Herrera	<i>[Signature]</i>	RED TAIL
Bobo LINTON	<i>[Signature]</i>	RED TAIL
DAVID ELLIOTT	<i>[Signature]</i>	RED TAIL
DAVE ELLIOTT	<i>[Signature]</i>	Redtail
GREG DEREVANKO	<i>[Signature]</i>	AECOM
Edward Linden	<i>[Signature]</i>	SWCA

Steven Brierty
Rebecca Brierty

[Signature]
Rebecca Brierty

AECOM
AECOM

HELVIE DIAZ
ROBIN MITCHELL
AECOM

AECOM
AECOM
Revised January 2011

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Conducted by:	Peggy Wood	Date Performed:	1-24-12
Topics Discussed:	1. (e.g., Review content of the HASP and Job Safety Analysis)		
	2.		
	3.		
	4.		

Printed Name	Signature	Organization
Tommy Herrera	<i>[Signature]</i>	RED TAIL
Bobo Linton	<i>[Signature]</i>	RED TAIL
Max Walk	<i>[Signature]</i>	AECOM
Jen Bencze	<i>[Signature]</i>	AECOM
Laura Marin	<i>[Signature]</i>	AECOM
Holly Hill	<i>[Signature]</i>	AECOM
EPIC Pius	<i>[Signature]</i>	AECOM
Kristine Yuter	<i>[Signature]</i>	"
Evan Mills	<i>[Signature]</i>	AECOM
K. Ross Way	<i>[Signature]</i>	AECOM
Julie Roth	<i>[Signature]</i>	AECOM
DAVID ELLIOTT	<i>[Signature]</i>	RED TAIL CO.
Edward Linden	<i>[Signature]</i>	SWCA
Dave Elliott	<i>[Signature]</i>	Redtail
Rebecca Brierty	<i>[Signature]</i>	AECOM
Steven Brierty	<i>[Signature]</i>	AECOM

Howie Diaz
 Robin Mitchell
 AECOM
[Signature]

[Signature]

AECOM
 AECOM
 Revised January 2011
 AECOM

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Conducted by:	Peggy Wood	Date Performed:	1-25-12
Topics Discussed:	1. (e.g., Review content of the HASP and Job Safety Analysis)		
	2.		
	3.		
	4.		
Printed Name	Signature	Organization	
Laura Maria	Laura Maria	AECOM	
Jennifer Benzze	Jennifer Benzze	AECOM	
Tommy Horner	Tommy Horner	RED TAIL	
Evan Mills	Evan Mills	AECOM	
K. Ross Way	K. Ross Way	AECOM	
Julie Roth	Julie Roth	AECOM	
Joseph Huang	Joseph Huang	AECOM	
Kristine Yuts	Kristine Yuts	"	
DAVID ELLIOTT	David Elliott	RED TAIL/AECOM	
Dave Elliott	Dave Elliott	Red tail	
Steven Brierty	Steven Brierty	AECOM	
Rebecca Brierty	Rebecca Brierty	AECOM	
Edward Linden	Edward Linden	SWCA	
Eric Pius	Eric Pius	AECOM	

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Conducted by:	Peggy Wood	Date Performed:	1-26-12
Topics Discussed:	1. (e.g., Review content of the HASP and Job Safety Analysis)		
	2.		
	3.		
	4.		
Printed Name	Signature	Organization	
K. Ross Way		AECOM	
Stephanie Jew		AECOM	
Jennifer Benaze		AECOM	
Laura maria		AECOM	
Holly Hill		AECOM	
Kevin Mills		AECOM	
Dave Elliott		Red Tail	
Tommy Herrera		RED TAIL	
EPIC Pius		AECOM	
DAVID ELLIOTT		REDTAILCO.	
Max Volk		AECOM	
Julie Roth		AECOM	
Bobo Lintal		RED TAIL	
Rebecca Brierty		AECOM	
Steven Brierty		AECOM	
Edward Linden		SWCA	
Kristine Yates		AECOM	

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Conducted by:	Peggy Wood	Date Performed:	1-27-12
Topics Discussed:	1. (e.g., Review content of the HASP and Job Safety Analysis)		
	2.		
	3.		
	4.		
Printed Name	Signature	Organization	
Holly Hill	Holly Hill	AECOM	
Joseph Huang	Joseph Huang	AECOM	
Patrick McGinnis	Patrick McGinnis	AECOM	
Jennifer Benoze	Jennifer Benoze	AECOM	
K. Ross Way	K. Ross Way	AECOM	
Kurt Miller	Kurt Miller	AECOM	
Max Wolk	Max Wolk	AECOM	
EPIC Pius	EPIC Pius	AECOM	
Julie Roth	Julie Roth	AECOM	
Edward Linden	Edward Linden	SWCA	
Bob Linton	Bob Linton	RED TAIL	
Tommy Herrera	Tommy Herrera	RED TAIL	
DAVID ELLIOTT	D. Elliott	RED TAIL CO	

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Conducted by:	Peggy Wood	Date Performed:	1-31-12
Topics Discussed:	1. (e.g., Review content of the HASP and Job Safety Analysis)		
	2.		
	3.		
	4.		

Printed Name	Signature	Organization
Patrick McGinnis	<i>[Signature]</i>	AECOM
Laura Maria	<i>[Signature]</i>	AECOM
Jen Benzze	<i>[Signature]</i>	AECOM
Stephanie Jew	<i>[Signature]</i>	AECOM
Evan Mills	<i>[Signature]</i>	AECOM
Max Wolk	<i>[Signature]</i>	AECOM
A. Cruz	<i>[Signature]</i>	AECOM
Tommy Herrera	<i>[Signature]</i>	RED TAIL
Holly Hill	<i>[Signature]</i>	AECOM
Joseph Huang	<i>[Signature]</i>	AECOM
K. Ross Way	<i>[Signature]</i>	AECOM
Rachel Smith	<i>[Signature]</i>	REDTAIL
Alisa Contreras	<i>[Signature]</i>	Redtail
EP IE PINS	<i>[Signature]</i>	AECOM

DAVID LARA	<i>[Signature]</i>	REDTAIL
DAVID ELLIOTT	<i>[Signature]</i>	REDTAIL/AECOM
Dean Melfash	<i>[Signature]</i>	AECOM
Edward Linden	<i>[Signature]</i>	SWCA
A. Romero	<i>[Signature]</i>	AECOM
Kristine Yats	<i>[Signature]</i>	"

ATTACHMENT 4
DATASHEETS: CONSTRUCTION MONITORING,
DT FENCE INSPECTION, AB/KF/WBO
AND DT CLEARANCE SURVEYS

SCANNED

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	<i>Holly Hill</i>	Date:	<i>01/03/12</i>	
Starting Location and Activity:	<i>BETA EAST / ALPHA WEST</i>	Site Code:	<i>Mojave Solar</i>	
Weather:		Start	Midday	End
		<i>07:00 AM</i>	<i>12:00</i>	<i>5:00 PM</i>
Rainfall?	Temp: <i>~32</i>		<i>58°?</i>	
Y <u>N</u>	% Cloud Cover:	<i>0%</i>	<i>0%</i>	

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist **Peggy Wood C: 435-881-6444** and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) **Shelly Dayman C: (619) 820-0768**.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<i>NOTE ① KRAT (LUE) RELOCATED OFF SITE</i>
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

Holly Hill

Biological Monitor:	H. Hill	Date:	01/03/12		
Starting Location and Activity:		Site Code:	MSP		
Weather:	see pg 1	Start AM	Midday :	End :	PM
Rainfall?	Temp:	(1)			
Y N	% Cloud Cover:				

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)			
Species, Location, and ID:	Condition	Compliance?	Comments
	A) Are exclusionary fencing and/or 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	NA
	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: Bi-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?
4	2:19	Beta	flying/foraging		
2	5:10pm	Beta	foraging		

Signature: _____

Holly Hill

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Ron Walker	Date:	January 3 RD Tuesday	
Starting Location and Activity:	Alpha West / DEMO	Site Code:	Mojave Solar	
Weather:	Clear/Cold	Start	6:30 AM	12:00
		Midday		13:00 PM
Rainfall?		Temp:	30°	50°
Y N		% Cloud Cover:	5%	15%

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

Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bore) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	NONE OBSERVED

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

Signature: _____

Ron Walker

Biological Monitor: Ron Walker Date: January 3RD Sunday

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

Incidental Species Observed		
Species	Activity (of species)	Location
CA HORNED LARK	flying	Alpha West
SPRINKLE	flying	Alpha West
Spiny lizard	ground	Alpha West

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0700	8	4	Safety meeting moved to Alpha West to observe DEMO of existing infrastructure. no mortalities, salvaged one spiny lizard, no incidents.	1
1310	8	4	Left site early had 1 too many BIO monitors.	

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

- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other Alpha West
 - 5. Other _____
 - 6. Other _____
 - 7. Other _____

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

Signature: Ron Walker

Tuesday

Biological Monitor:	<i>Ron Walker</i>	Date:	<i>January 3rd</i>	
Starting Location and Activity:	<i>Alpha West / DEMO</i>	Site Code:	<i>MSP</i>	
Weather:	<i>Clear/Cold</i>	Start	<i>6:30 AM</i>	Midday <i>12:00</i>
				End <i>13:10 PM</i>
Rainfall?	Temp:	<i>30°F</i>	<i>50°F</i>	<i>62°F</i>
Y <input checked="" type="radio"/> N <input type="radio"/>	% Cloud Cover:	<i>5%</i>	<i>5%</i>	<i>15%</i>

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger Panned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?

Signature: _____

Ron Walker

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Peggy Wood	Date:	1-3-12	
Starting Location and Activity:	Beta East	Site Code:	Mojave Solar	
Weather:		Start	Midday	End
		05:45AM	12:00	17:15 PM
Rainfall?	Temp:	32 F	52 F	58 F
Y (N)	% Cloud Cover:	5%	10%	15%

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2.3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bore) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Mentioned water near hoses to septic tank @ trailer Bv
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	camera photos of KF

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

Signature: _____

Peggy Wood

Biological Monitor:	Peggy Wood	Date:	1-3-12
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Incidental Species: Daily notation of species other than WBO, DT, AB, KF or MGS

Incidental Species Observed		
Species	Activity (of species)	Location

Notes/Comments Section

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

12/31 5:08 am Coyote?
1/2 8:13 am Coyote

Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0545			Travel and arrive to safety meeting. Ray R. stuck on I15 - late. Assign BMs, 2 in Beta (incl. Ray), 2 A.W. Give training 4 new people.	
0900			Construction meeting. Learn no clearing AW today → this week; dozer re-located to Beta. Now 3 BMs in Beta, convey to Row. Go check cameras in AW find KF activity on 12/30 5:50 am 7 pm, 12/31 5:06 am, 1/1 12:48 + 3 pm and visiting coyote on 12/31 5:08 am and 1/2 8:13 am. No KF depending after last coyote visit. Insert hwy gate into entry, keep cameras set up to monitor longer. Suspect KF not inside/underground and want to confirm. Stuff branches in nearby vertical covert entries. Talk w/ Row about shifting BMs to cover demo while he returns to San Diego. Curtiss unsure if dozer returning to clear AW soon, so we have need 3 BMs now instead of 4 BMs. Row leaves, Ray comes to AW.	
1140			Ask Isak to knock down trees in AW as soon as Sukut equipment available to do so. Meanwhile cover demo monitoring til Ray arrives.	
1410			Walk open trench in AW not yet walked for wildlife in trench.	
1530			Return to computer to reply to Julie email on invoices and contracts. Coordinate Ray w/ other BMs end of day.	

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

- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other _____
 - 5. Other _____
 - 6. Other _____
 - 7. Other _____

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

Signature: _____ Peggy Wood _____

Biological Monitor:	Peggy Wood		Date:	1-3-2012	
Starting Location and Activity:	Beta East		Site Code:	MSP	
Weather:		Start 05:45 AM	Midday 12:00	End 17:15 PM	
Rainfall?	Temp:	32 F	52 F	58 F	
Y(N)	% Cloud Cover:	5%	10%	15%	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger Panned DT)			
Species, Location, and ID:	Condition	Compliance?	Comments
	A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Photos show KF use @ AMASBcot along w/ visiting coyote. Insert t-way gate and leave cameras up.
	C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
	D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" 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 checked="" type="checkbox"/> N/A	
	F) Is all stockpiling kept away from buffer, posing no threat for siltation/debris entering into buffer? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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	1050	Alphankest	flying		

Signature: Peggy Wood

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	<i>Ray Brown</i>	Date:	1/3/12		
Starting Location and Activity:	<i>Beta Alpha West</i>	Site Code:	Mojave Solar		
Weather:	<i>Clear, sunny, warm, no wind</i>	Start	<i>7:00 AM</i>	Midday <i>12:00</i>	End <i>5:00 PM</i>
Rainfall?	Temp:	<i>34</i>	<i>61</i>	<i>62</i>	
	% Cloud Cover:	<i>10</i>	<i>10</i>	<i>10</i>	
Y/N					

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bore) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>none seen</i>
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no spills</i>
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no silt fence</i>
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

Ray Brown

Biological Monitor: Ray Howard Date: 1/3/12

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

Incidental Species Observed		
Species	Activity (of species)	Location
Horned Lark	Flying	Beta
Common Raven	"	"
White Leg Ground Squirrel	Running	"
Cotton Tail Rabbit	"	"
Side Necked Tizard	Flying	Alpha West
Scrub Wren	"	"
Lodgepole Pine	"	Beta

Notes/Comments Section

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

Time	ACT ¹	LOC ²	Notes/Comments	CL ³
7:30	5	4	Cut and fill activities in Beta. Coord w/ Reggy & Ken on work activities. Suspect open trenches in Beta. No entrapped wildlife was observed.	I
1:30	8	5	Moved over to Alpha West to monitor down work crew. Coord w/ Reggy on work activities.	
1:50	8	5	Work completed for day in Alpha West. Move over to Beta to support work activities.	
1:70	5	4	Work complete for day @ Beta. Coord w/ Reggy & depart site.	

- Activity (ACT)¹**
- 1. DT Fencing
 - 2. Access/egress
 - 3. Clear/grub
 - 4. Grading
 - 5. Excavation
 - 6. UXO Activities
 - 7. SWPPP
 - 8. Other (specify) None

- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other Beta
 - 5. Other Alpha West
 - 6. Other
 - 7. Other

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

Signature: _____

Ray Howard

Mojave Solar Project

Biological Monitor:	[Handwritten]		Date:	1/3/12	
Starting Location and Activity:	Beta/Alpha West		Site Code:	MSP	
Weather:	clear sunny warm, no wind	Start	7:00 AM	Midday	12:00
Rainfall?	Temp:	34		61	62
Y(N)	% Cloud Cover:	10		10	10

Non-Disturbance Buffer Monitoring Section: (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	No ESA Fencing
B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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	3:41	Beta	flying	N/A	N/A
1	10:11	"	"	"	"
1	14:17	Alpha West	"	"	"
1	15:21	"	"	"	"

Signature: [Handwritten Signature]

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor: <i>Tsegaye Mengistu</i>	Date: <i>1/3/12</i>
Starting Location and Activity: <i>Beta cut/ride</i>	Site Code: <i>Mojave Solar</i>
Weather: <i>Sunny/clear</i>	Start <i>7:00 AM</i> Midday <i>12:00</i> End <i>5:30 PM</i>
Rainfall?	Temp: <i>34°F</i> <i>69°F</i> <i>59°F</i>
Y <input checked="" type="radio"/> N <input type="radio"/>	% Cloud Cover: <i>5%</i> <i>2%</i> <i>2%</i>

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist **Peggy Wood C: 435-881-6444** and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) **Shelly Dayman C: (619) 820-0768**.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2.3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

Tsegaye Mengistu

Biological Monitor:	Tsegaye Mengistu		Date:	1/3/12	
Starting Location and Activity:			Site Code:	MSP	
Weather:	Sunny/clear	Start 7:00 AM	Midday 12:00	End 5:00 PM	
Rainfall? <input checked="" type="radio"/> Y <input type="radio"/> N	Temp:	34°F	69°F	59°F	
	% Cloud Cover:	5%	2%	2%	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" 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 checked="" type="checkbox"/> N/A	
F) Is all stockpiling kept away from buffer, posing no threat for siltation/debris entering into buffer? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
7	7:45-5:00 pm	Baba	flying / ground		

Signature: _____

Tsegaye Mengistu

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Nolly Hill		Date:	01/04/12	
Starting Location and Activity:	BETA		Site Code:	Mojave Solar	
Weather:	clear	Start 07:00 AM	Midday 12:00	End 5:00 PM	
Rainfall?	Temp: 30°	230°	55	98 ?	
Y (N)	% Cloud Cover: 0%				

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	? Dam start w/ Box Scopes & H2O
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	1 DEAD LIND. MOUSE REPORTED BY CWT. RES. PERSONNEL NOT RECOVERED
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: Shelly Dayman

Biological Monitor:	A. Hill		Date:	01/08/12	
Starting Location and Activity:			Site Code:	MSP	
Weather:	See p 10		Start	Midday	End
			: AM	:	: PM
Rainfall?	Temp:				
Y N	% Cloud Cover:				

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or 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	↑ NA ↓
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: Bi-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?
1-2	all day	Byta	foraging		

Signature: _____

Holly Hill

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor: <i>Paulo Mero</i>	Date:	1/4/12		
Starting Location and Activity:	Site Code:	Mojave Solar		
Weather:	Start	Midday	End	
<i>Clear, warm, no wind</i>	7:00 AM	12:00	5:00 PM	
Rainfall?	Temp:	35	66	65
Y (N)	% Cloud Cover:	5	5	5

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist **Peggy Wood C: 435-881-6444** and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) **Shelly Dayman C: (619) 820-0768**.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>NO SPILL</i>
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>NO SPILLS</i>
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

Paulo Mero

Biological Monitor: Raymond Date: 1/4/12

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

Incidental Species Observed		
Species	Activity (of species)	Location
Common raven	flying	Alpha West
horned lark		
spiny lizard	basking	u - relocated
rabbit	foraging/scrub	cl
sparrows	flying	#

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
700	8	4	Attend safety mtg. Monitoring demo crew working in Alpha West. Excavator removing cattle troughs. Concrete being hauled by dump truck to location where concrete will be crushed and used for road base. Other excavator & dozer removing bldg foundations	1
1300	8	4	Observed adult spiny lizard in demo work area. Relocated outside project area (outside DT fence).	
1530	8	4	Demo work in Alpha West complete today. Plan to check on chipping activity in Beta.	
1700	3	5	Chipping operation complete for day. Card w/ Paddy and depart site.	

- Activity (ACT)¹**
- 1. DT Fencing
 - 2. Access/egress
 - 3. Clear/grub
 - 4. Grading
 - 5. Excavation
 - 6. UXO Activities
 - 7. SWPPP
 - 8. Other (specify) demo
- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other Alpha West
 - 5. Other Beta
 - 6. Other
 - 7. Other
- Compliance Levels (CL)³**
- 1. Acceptable
 - 2. Notification
 - 3. Non-compliance
 - 4. Non-compliance Resolution

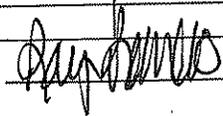
Signature: Raymond

Biological Monitor:	Dougherty		Date:	1/4/12	
Starting Location and Activity:	Alpha West		Site Code:	MSP	
Weather:	Clear, warm, no wind	7:00 AM	Midday	12:00	End 5:00 PM
Rainfall?	Temp:	35		66	65
Y (N)	% Cloud Cover:	5		5	5

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)			
Species, Location, and ID:	Condition	Compliance?	Comments
	A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	NO ESA Fencing
	B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
	C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
	E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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	0643	Alpha West	flying	N/A	N/A
1	806	"	"	"	"
2	1036	"	"	"	"
1	1117	"	"	"	"
1	1441	"	"	"	"

Signature: 

Daily Biological Monitoring Log Mojave Solar Project

Fence Inspection

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Peggy Wood	Date:	6-4-12	
Starting Location and Activity:	Beta East	Site Code:	Mojave Solar	
Weather:		Start	Midday	End
		05 : 45 AM	11 : 30	17 : 40 PM
Rainfall?	Temp:	25 F	56 F	53 F
Y (N)	% Cloud Cover:	2%	3%	5%

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	rabbit on Lockhart buried.
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Notify Sukut to get fluid near Merc that spilled from pipes demolded.
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

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

Signature: _____

Peggy Wood

Biological Monitor:	Peggy Wood		Date:	1-4-12	
Starting Location and Activity:	Beta East		Site Code:	MSP	
Weather:		Start 05 : 45 AM	Midday 11 : 30	End 17:40 PM	
Rainfall?	Temp:	25	56 F	53 F	
Y(N)	% Cloud Cover:	2%	3%	5%	

Non-Disturbance Buffer Monitoring Section: (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" 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 checked="" type="checkbox"/> N/A	
F) Is all stockpiling kept away from buffer, posing no threat for siltation/debris entering into buffer? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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	0940	Alpha West	flying	—	—

Signature: _____

Peggy Wood

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor: <i>Tsegaye Mengistu</i>	Date: <i>1/4/12</i>
Starting Location and Activity: <i>Beta cut/fill</i>	Site Code: <i>Mojave Solar</i>
Weather: <i> Sunny / clear</i>	Start <i>7:00 AM</i> Midday <i>12:00</i> End <i>5:00 PM</i>
Rainfall?	Temp: <i>29°F</i> <i>71°F</i> <i>62°F</i>
Y (N)	% Cloud Cover: <i>2%</i> <i>1%</i> <i>2%</i>

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist **Peggy Wood C: 435-881-6444** and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) **Shelly Dayman C: (619) 820-0768**.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

Tsegaye Mengistu

Biological Monitor:	Beyaze Mengistu		Date:	1/4/12	
Starting Location and Activity:	Beta cut/fill		Site Code:	MSP	
Weather:	Sunny/clear	Start 7:00AM	Midday 12:00	End 5:00 PM	
Rainfall?	Temp:	29%	71°F	82°F	
Y (N)	% Cloud Cover:	2%	1%	2%	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" 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 checked="" type="checkbox"/> N/A	
F) Is all stockpiling kept away from buffer, posing no threat for siltation/debris entering into buffer? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
6	8:00-5:00pm	Beta	flying/ground		

Signature: Beyaze Mengistu

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Holly Hill	Date:	01/05/12	
Starting Location and Activity:	BETA ^{FILL TRENCH} PAE - TREE REMOVAL	Site Code:	Mojave Solar	
Weather:		Start	Midday	End
		07:00AM	12:00	5:00PM
Rainfall?	Temp:	25°		
Y (N)	% Cloud Cover:	1%		

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	0730 - ASBESTOS PIPE TRENCH CHECKED FOR ANIMALS (NONE FOUND) BEFORE FILLED.
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	COTTONTAIL & KWAT RELOCATED (LIVE) OFFSITE
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

Holly Hill

Biological Monitor:	H. Hull	Date:	01/05/12
Starting Location and Activity:	BETA	Site Code:	MSP
Weather:	see pg 1	Start	Midday
		AM	:
			End
			PM
Rainfall?	Temp:		
Y N	% Cloud Cover:		

Non-Disturbance Buffer Monitoring Section: (Nesting birds, WBO, Kit fox, Badger, Pinned DT)			
Species, Location, and ID:	Condition	Compliance?	Comments
	A) Are exclusionary fencing and/or 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	↑ NA ↓
	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: Bi-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?
1-2	0650	BETA	FLYING		
" "	1230	Beta	" "		

Signature: Holly Hull

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Peggy Wood	Date:	1-5-12	
Starting Location and Activity:	Beta East	Site Code:	Mojave Solar	
Weather:		Start	05:40 AM	11:30
			17:15 PM	
Rainfall?	Temp:	27 F	61 F	65 F
	% Cloud Cover:	15%	10%	5%

Y (N) ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Relocated 1 cottontail + 1 kest from dark risks.
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<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: _____

Peggy Wood

Biological Monitor: Peggy Wood Date: 1-5-12

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

Incidental Species Observed		
Species	Activity (of species)	Location

Notes/Comments Section			
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.			
Time	ACT ¹	LOC ²	Notes/Comments
0540			Travel and arrive to Safety meeting. Line up BMs. Get started immediately on DT clearance survey @ tamarisk row along Lockhart in front of Hayes Ranch
0900			Complete survey by 0850, in time for construction meeting. Bring up call from Gary Grace (Layne-Christiansen) arriving this morning to begin decommission wells 27, 28, 29 + ____ . Get back out to tamarisk trees to finish survey then notify Curtiss. Go over to dozer backfilling in Beta. While there, Layne Christiansen arrives to begin decommission on wells 27, 28, 29 in Beta. Get them set-up at 29.
1130			Brennan calls, found a KF hole that we excavate & find empty/vacant.
1300			Tom on dozer begins removing tamarisk trees @ Hayes Ranch on Lockhart Rd. Holly and I monitor tree removal. Save/relocate 1 cottontail + 1 Kratt, other rabbits run off. Brennan called w/ another hole. I send my shovel w/ Kenny to Brennan to excavate. Brennan collected clothing w/ stains, I called BV to report
1540			Visitor stops in @ Hayes Ranch; I locate him and ask him to leave. Begayze finished @ Alpha West. I ask him to come monitor here. I go collect shovel from Brennan just as John Rusin says police en route to check out clothing found in Beta by Brennan.

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

- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other _____
 - 5. Other _____
 - 6. Other _____
 - 7. Other _____

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

Signature: Peggy Wood

Mojave Solar Project

Biological Monitor:	Peggy Wood		Date:	1-5-12	
Starting Location and Activity:	Beta East		Site Code:	MSP	
Weather:		Start	Midday	End	
		05 :40 AM	11 :30	17 :15 PM	
Rainfall?	Temp:	27 F	61 F	65 F	
Y <input checked="" type="radio"/> N <input type="radio"/>	% Cloud Cover:	15%	10%	5%	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" 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 checked="" type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" 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 checked="" type="checkbox"/> N/A	
F) Is all stockpiling kept away from buffer, posing no threat for siltation/debris entering into buffer? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
4	1040	Beta East	standing	—	—
2	1430	Alpha East	flying	—	—

Signature: _____

Peggy Wood

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor: <u>BMU</u>	Date: <u>1/5/12</u>												
Starting Location and Activity: <u>BE cut + fill, mowing</u>	Site Code: <u>Mojave Solar</u>												
Weather:	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;"></td> <td style="width: 25%; text-align: center;">Start 07:00 AM</td> <td style="width: 25%; text-align: center;">Midday 12:00</td> <td style="width: 25%; text-align: center;">End 17:00 PM</td> </tr> <tr> <td>Rainfall?</td> <td style="text-align: center;">38</td> <td style="text-align: center;">62</td> <td style="text-align: center;">59</td> </tr> <tr> <td>Y (N)</td> <td style="text-align: center;">5</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> </table>		Start 07:00 AM	Midday 12:00	End 17:00 PM	Rainfall?	38	62	59	Y (N)	5	0	0
	Start 07:00 AM	Midday 12:00	End 17:00 PM										
Rainfall?	38	62	59										
Y (N)	5	0	0										
	% Cloud Cover:												

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<u>none observed</u>

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

Signature: _____

[Handwritten Signature]

Biological Monitor:	BMO	Date:	1/5/12	
Starting Location and Activity:	BE cutfill mowing	Site Code:	MSP	
Weather:		Start	Midday	End
		07:00 AM	12:00	17:00 PM
Rainfall?	Temp:	38	62	59
Y N	% Cloud Cover:	5	0	0

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)			
Species, Location, and ID:	Condition	Compliance?	Comments
	A) Are exclusionary fencing and/or 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	no sign
	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	none seen
	C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	none seen
	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	looks good
	E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	none needed
	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	none

Raven Monitoring: Bi-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?
4		mass seen in BE	flying		

Signature: _____

[Handwritten Signature]

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Tsegaye Mengistu		Date:	11/1/12	
Starting Location and Activity:	Alpha West demarcation		Site Code:	Mojave Solar	
Weather:	sunny/clear	Start 7:00 AM	Midday 12:00	End 5:00 PM	
Rainfall? Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Temp:	29°F	73°F	61°F	
	% Cloud Cover:	5%	2%	1%	

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: Tsegaye Mengistu

Biological Monitor: <u>Tsegaye Mengistu</u>	Date: <u>1/5/12</u>
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Incidental Species: Daily notation of species other than WBO, DT, AB, KF or MGS

Incidental Species Observed		
Species	Activity (of species)	Location

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
7:00			pre construction meeting at beta. Starring by sukut.	1
7:40	8	4	monitored the demolition & general slope pits in Southern fence area and around the building.	
12:00			Lunch time	
12:30	8	4	demolition activities commenced excavators (3) backhoes (2) bulldozers (2) water trucks and dump trucks operating.	1
3:30	3	5	monitored the removal of materials at Hogg's Ranch on Lockhart rd.	
5:00			end.	

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

Signature: Tsegaye Mengistu

Mojave Solar Project

Biological Monitor:	Tsegaye Mengistu		Date:	11/5/12	
Starting Location and Activity:	Alpha West		Site Code:	MSP	
Weather:	Dunny/clear	Start 7:00 AM	Midday 12:00	End 5:00 PM	
Rainfall?	Temp:	29°F	72°F	62°F	
Y (N)	% Cloud Cover:	5%	2%	2%	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)			
Species, Location, and ID:	Condition	Compliance?	Comments
	A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
	C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
	D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" 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 checked="" type="checkbox"/> N/A	
	F) Is all stockpiling kept away from buffer, posing no threat for siltation/debris entering into buffer? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
10	6:00-5:00	Alpha West	flying, perched		

Signature: Tsegaye Mengistu

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor: Holly Hill	Date: 01/06/12
Starting Location and Activity: Fencing BETA TRENCH FILL	Site Code: Mojave Solar
Weather: Clear	Start: 07:00 AM
	Midday: 12:00
	End: 5:00 PM
Rainfall? <input checked="" type="checkbox"/> N	Temp:
	% Cloud Cover: 0%

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		Comments
Condition	Compliance?	
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	0730 TRENCHES CHECKED / FILED
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	① KRAT (LIVE) RELOCATED OFFSITE FROM FILL AREA
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

Holly Hill

Biological Monitor:	H. Hull	Date:	01/06/12
Starting Location and Activity:		Site Code:	MSP
Weather:	See pg 10	Start	Midday
		: AM	: PM
Rainfall?	Temp:		
Y N	% Cloud Cover:		

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)			
Species, Location, and ID:	Condition	Compliance?	Comments
	A) Are exclusionary fencing and/or 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	NA
	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: Bi-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?
1-2	0650	Beta	fly		

Signature: _____

H. Hull

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

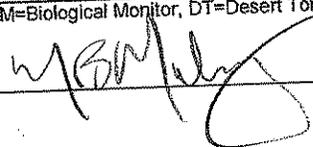
Biological Monitor:	BMU	Date:	1/6/12	
Starting Location and Activity:	BE mowing	Site Code:	Mojave Solar	
Weather:		Start	Midday	End
		07:00 AM	12:00	16:15 PM
Rainfall?	Temp:	30	59	66
Y N	% Cloud Cover:	0	0	0

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	hydraulic fluid from excavator contained in a bucket and in excavator's bucket
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	none observed

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

Signature: _____



Biological Monitor:	BMU	Date:	1/6/12	
Starting Location and Activity:	BE mowing	Site Code:	MSP	
Weather:		Start	Midday	End
		07:00AM	12:00	16:15 PM
Rainfall?	Temp:	30	59	66
Y <input checked="" type="checkbox"/>	% Cloud Cover:	0	0	0

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBC, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or 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: Bi-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?
7		largest number seen in BE	flying		

Signature: _____

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Tsegaye Mengistu	Date:	1/6/12	
Starting Location and Activity:	Alpha West	Site Code:	Mojave Solar	
Weather:	Sunny/clear	Start	Midday	End
		7:00 AM	12:00	5:20 PM
Rainfall?	Temp:	30°F	72°F	61°F
Y (N)	% Cloud Cover:	5%	2%	2%

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist **Peggy Wood C: 435-881-6444** and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) **Shelly Dayman C: (619) 820-0768**.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	NO spills observed.
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

Tsegaye Mengistu

Biological Monitor: Tsegaye Mengistu Date: 1/6/12

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

Incidental Species Observed		
Species	Activity (of species)	Location

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
7:00		4	Pre construction meeting at Alpha east Stop.	1
7:45	8	4	Handled safety and some scope of the day discussed. monitored the activities such as digging, crushing concrete, handling debris, removal of concrete & metal pipes, buck bolting.	
12:00			Lunch time	
12:30	8	4	demolition activities resumed.	1
3:30			3 excavators, 2 buck hoers, 2 DC bulldozers, water truck, dump trucks used for the demo end.	
9:45		4	At 9:45 am at Alpha west Southern fence area we got stayed by water truck. Evan Mills (Area) Aaron Covert (Native monitor) present and got Viet. I informed the DE	4

- Activity (ACT)¹**
- 1. DT Fencing
 - 2. Access/egress
 - 3. Clear/grub
 - 4. Grading
 - 5. Excavation
 - 6. UXO Activities
 - 7. SWPPP
 - 8. Other (specify) demolition
- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other Alpha east
 - 5. Other
 - 6. Other
 - 7. Other
- Compliance Levels (CL)³**
- 1. Acceptable
 - 2. Notification
 - 3. Non-compliance
 - 4. Non-compliance Resolution

Signature: Tsegaye Mengistu

Mojave Solar Project

Biological Monitor:	Tseyaye Mengistu		Date:	1/15/12	
Starting Location and Activity:	Alpha West		Site Code:	MSP	
Weather:	Sunny/clear	Start	7:00AM	Midday	12:00
				End	3:30 PM
Rainfall?	Temp:	30°F	72°F	62%	
Y (N)	% Cloud Cover:	5%	2%	2%	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" 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 checked="" type="checkbox"/> N/A	
F) Is all stockpiling kept away from buffer, posing no threat for siltation/debris entering into buffer? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
5	8:00-3:30	Alpha West	flying		

Signature: Tseyaye Mengistu

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Peggy Wood	Date:	1-6-12	
Starting Location and Activity:	Beta East	Site Code:	Mojave Solar	
Weather:		Start	Midday	End
		05:40 AM	12:00	17:40 PM
Rainfall?	Temp:	30 F	62 F	65 F
Y (N)	% Cloud Cover:	5%	2%	2%

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		Comments
Condition	Compliance?	
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	fixed dents made by tamarisk debris on Lakheart Rd.
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Small mammal dead, Beta East
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

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

Signature: Peggy Wood

Biological Monitor: Peggy Wood Date: 1-6-12

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

Incidental Species Observed		
Species	Activity (of species)	Location

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0540			Travel and arrive to safety meeting. After training WEAP for new guard. Go to grinder on Lockhart where excavator + loader grinding farnarsk trees in between fence lines.	
0900			Construction meeting. Go back to monitoring chipping on Lockhart	
1300			Brennan done w/mower (it broke down) so he takes over monitoring chipper. I go investigate holes near concrete basin in AW where Tsegaye saw KF tracks. Stuff vege into openings to ascertain whether critters using holes. Go to AMASB001 in AW. Find no photos of use and 1-way door still in place. Confirmed no activity and so collapse the hole.	
1530			Review MCR for December. Correspond comments to Ron. Respond to Contract Amendment. P/U logs for Tsegaye + Brennan, later for Holly.	

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

- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other _____
 - 5. Other _____
 - 6. Other _____
 - 7. Other _____

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

Signature: Peggy Wood

Biological Monitor:	Peggy Wood		Date:	1-6-12	
Starting Location and Activity:	Beta		Site Code:	MSP	
Weather:		Start 05 :40 AM	Midday 12 :00	End 17:40 PM	
Rainfall?	Temp:	30 F	62 F	65 F	
Y (N)	% Cloud Cover:	5 %	2 %	2 %	

Non-Disturbance Buffer Monitoring Section: (Nesting birds, WBO, Kit fox, Badger, Pinned DT)			
Species, Location, and ID:	Condition	Compliance?	Comments
	A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" 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 checked="" type="checkbox"/> N/A	
	C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
	D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
	E) Is adaptive management needed? Recommendations.	<input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
3	1020	Alpha East	flying	—	—
1	1510	Alpha West	flying	—	—

Signature: _____

Peggy Wood

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor: Holly Hall	Date: 01/09/12
Starting Location and Activity: BETA TRENCH FILL	Site Code: Mojave Solar
Weather: clear	Start: 07:00AM Midday: 12:00 End: : PM
Rainfall?	Temp: 30° 60°?
Y <input checked="" type="radio"/> N <input type="radio"/>	% Cloud Cover: 0%

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	TRENCHES FROM ASBESTOS PIPE REMOVAL FILLED - DAY'S ACTIVITY
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	NONE
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

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

Signature: _____

Holly Hall

W

Biological Monitor:	<u>H Hill</u>	Date:	<u>01/09/12</u>
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Incidental Species: Daily notation of species other than WBO, DT, AB, KF or MGS

Incidental Species Observed		
Species	Activity (of species)	Location
W. MEADOW LARK	Flight/foraging	BETA
CR. HORNET LARK	" "	"
Loggerhead Shrike	" "	"
Flycatcher	" "	"
Mtn Bluebird	" "	"

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0730	8	8	✓ED POSSIBLE KF BURROW/ DEN OPENING FOR	(1)
	Cut/Fill	BETA	ACTIVITY OVER THE WEEKEND. HOLE CLOSED (FRI.) W/ VEGETATION. Mon. (A.M) VEGETATION STILL IN PLACE EXCEPT FOR SMALL MAMMAL (KRAT) HOLE W/ IN ^(ADJ) BURROW. HOLE COLLAPSED & MARKER REMOVED CLEARED FOR CUT/FILL ACTIVITY	
0740	5	4	TRENCH ON (E) BETA ✓D FOR ANIMALS (NONE) PRIOR TO FILL. CLEARED FOR FILL	(1)

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

Signature: Holly Hill

Biological Monitor:	H. Hill		Date:	01/09/12	
Starting Location and Activity:	BETA TRENCH FILL		Site Code:	MSP	
Weather:		Start 07:00AM	Midday :	End :	PM
Rainfall?	Temp:	= 30			
Y/N	% Cloud Cover:	L 170			

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or 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	↓ 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: Bi-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?
1-2	0650-11	Beta	(flying foraging)		
2-6	12:00	Beta	(feeding)		
2	3pm	Beta	→ flying foraging		

Signature: Holly Hill

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Ron Walker	Date:	Monday January 9, 2012	
Starting Location and Activity:	Beta East / mowing	Site Code:	Mojave Solar	
Weather:	Clear / Cold	Start	Midday	End
		7:00 AM	12:00	5:10 PM
Rainfall?	Temp:	38°F	64°	58°
Y N	% Cloud Cover:	5%	5%	5%

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE.
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2.3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	NO ESA FENCE
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	NONE OBSERVED

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

Signature: _____

Ron Walker

Monday

Biological Monitor: <u>Ron Walker</u>	Date: <u>January 9, 2017</u>
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Incidental Species: Daily notation of species other than WBO, DT, AB, KF or MGS

Incidental Species Observed		
Species	Activity (of species)	Location
CA HORNED LARK	flying	Beta
N HARRIER	flying	Beta
MEADOWLARK	flying	Beta
SAY'S PHOEBE	flying/perched	Beta
A KESTREL	flying	Beta

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0700	3	4	Safety meeting, moved to Beta to observe morning Sabzola in eastern Beta 1 KR taken by kestrel 1 KR salvaged and released to east no incidents	1
1710			Left site	

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

- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other DETA
 - 5. Other _____
 - 6. Other _____
 - 7. Other _____

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

Signature: Ron Walker

Biological Monitor:	Ron Walker		Date:	Monday January 9, 2012	
Starting Location and Activity:	Beta East / mowing		Site Code:	MSP	
Weather:	Cold / Clear	Start 7:00 AM	Midday 12:00	End 5:10 PM	
Rainfall?	Temp:	38°F	64°F	58°F	
Y <input checked="" type="radio"/> N <input type="radio"/>	% Cloud Cover:	5%	5%	5%	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger Panned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	NO ESA FENCING
B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
3	0840	BETA	flying	0	0
6	1410	BETA	flying	0	0

Signature: _____

Ron Walker

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Peggy Wood	Date:	1-9-12	
Starting Location and Activity:	Beta East	Site Code:	Mojave Solar	
Weather:		Start	Midday	End
		05 : 40AM	11 : 50	17 : 10 PM
Rainfall?	Temp:	27 F	54 F	62 F
Y (N)	% Cloud Cover:	2%	2%	2%

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (ABCOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2.3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<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: _____

Peggy Wood

Biological Monitor:	Peggy Wood	Date:	1-9-12
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Incidental Species: Daily notation of species other than WBO, DT, AB, KF or MGS

Incidental Species Observed		
Species	Activity (of species)	Location

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0510			Travel & arrive to Safety meeting. Get BMs lined up. Give WEAP training to new Saket operator. Respond to Matt's email on HL Rd fencing. Status of Variance #2?	
0900			Construction meeting. Following meeting, get out on Harper Lake Road to map all fence line gaps by collecting gps UTM's. Create Excel spreadsheet to send Jessie @ AECOM for producing map for Matt to submit to FWS for request to change HL Speed limit.	
1400			Steve Andersen notified me of demo starting on Hayes Ranch so I go monitor demo there	
1530			Perch finish for day so I go check trenches in Alpha West and parts of fence line until end of day.	

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

- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other _____
 - 5. Other _____
 - 6. Other _____
 - 7. Other _____

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

Signature: _____

Peggy Wood

Mojave Solar Project

Biological Monitor:	Peggy Wood		Date:	1-9-12	
Starting Location and Activity:	Beta East		Site Code:	MSP	
Weather:		Start 05:40 AM	Midday 11:50	End 17:10 PM	
Rainfall?	Temp:	27 F	54	62 F	
Y (N)	% Cloud Cover:	21	21	21	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" 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 checked="" type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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	0640	Alpha East	flying	—	—

Signature: _____

Peggy Wood

Daily Biological Monitoring Log

Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor: <i>[Signature]</i>	Date: 1/9/12								
Starting Location and Activity: <i>Alpha West</i>	Site Code: Mojave Solar								
Weather: <i>clear cold, no wind</i>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Start</td> <td style="width: 25%;">Midday</td> <td style="width: 25%;">End</td> <td style="width: 25%;"></td> </tr> <tr> <td style="text-align: center;">7:00 AM</td> <td style="text-align: center;">12:00</td> <td style="text-align: center;">4:00 PM</td> <td></td> </tr> </table>	Start	Midday	End		7:00 AM	12:00	4:00 PM	
Start	Midday	End							
7:00 AM	12:00	4:00 PM							
Rainfall?	Temp: 28 59 62								
Y (N)	% Cloud Cover: 20-cirrus 15-cirrus 10-cirrus								

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

Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>none seen</i>
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>none reported</i>
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: *[Signature]*

Biological Monitor: <u>Raymond</u>	Date: <u>4/9/12</u>
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Incidental Species: Daily notation of species other than WBO, DT, AB, KF or MGS

Incidental Species Observed		
Species	Activity (of species)	Location
Common Raven	Quinn	Alpha West
Western Gull	Quinn	u
Rabbit	old skull	u
Sm. mammal	burrows	u

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0700	8	4	Attend safety mtg. Plan to support demo work in Alpha West. Dzer & excavator continuing to load demo materials into dump trucks for hauling offsite. Excavator and dump take @ nearby location are removing concrete and stockpiling for road base on site. Lumber being hauled from cattle troughs.	4
1530	8	4	Demo crew finished with work for the day. Equip staged.	}
1600	8	4	Depart site.	

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

Signature: Raymond

Biological Monitor:	<i>Ray Dames</i>	Date:	1/9/12	
Starting Location and Activity:	Alpha West	Site Code:	MSP	
Weather:	clear sky, no wind	Start	7:00 AM	Midday 12:00
				End 4:00 PM
Rainfall?	Temp:	28	59	62
Y (N)	% Cloud Cover:	20 - cirrus	15 - cirrus	10 cirrus

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger Panned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	NO ESA fencing
B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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	742	Alpha West	flying	N/A	N/A
1	936	"	"	"	"
1	1142	"	"	"	"
3	1322	"	"	"	"
1	1510	"	"	"	"

Signature: *Ray Dames*

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	KEDZORA	Date:	1/9/12	
Starting Location and Activity:	BETA EAST	Site Code:	Mojave Solar	
Weather:		Start	Midday	End
		07:00 AM	12:00	17:00 PM
Rainfall?	Temp:	25F	59F	62F
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 Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.

For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.

In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	NONE IN MONITORING PERIOD
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1030 checked water tower
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	KRAT moved from brushing area with injury
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

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

Signature: _____



Biological Monitor:	KEDZIORA	Date:	1/9/12
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Incidental Species: Daily notation of species other than WBO, DT, AB, KF or MGS

Incidental Species Observed		
Species	Activity (of species)	Location
NOLA	FORAGING	DATA EAST
WE ME	FORAGING	↓
HARRIER	HUNTING	
KESTRAL	HUNTING	

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0700	8	4	TAIL BOARD	—
0715	5	4	MONITOR CUT ALONG SOUTH FENCE	1
0900	3	4	WATCH MOWER REMOVE BRUSH EAST OF CUT	1
0915	3	4	REMOVE INJURED KRAT FROM BRUSH CLEAR AREA 1, 2	1
0930	3	4	COMPLETE BRUSH CLEAR MONITORING FOR ROW 1	1
1015	5	4	SCORPION FOUND DEAD IN CUT BY TRIBAL MONITORS	1
1030	5	4	TRIBAL MONITOR EATS SCORPION TO BECOME NEXT CHIEF.	1
1045	1	4	CHECK SOUTH DT FENCE LINE	1
1100	5	4	CONTINUE MONITORING CUT	1
1700	5	4	END OF DAY	

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

- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other DATA EAST
 - 5. Other
 - 6. Other
 - 7. Other

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

Signature: _____

Mojave Solar Project

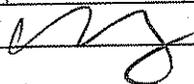
Biological Monitor:	KEDZIORA		Date:	1/9/12	
Starting Location and Activity:	BETA EAST		Site Code:	MSP	
Weather:		Start 07:00 AM	Midday 12:00	End 17:00 PM	
Rainfall?	Temp:	25 F	55 F	62 F	
Y <u>(N)</u>	% Cloud Cover:	0	0	0	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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	0740	BETA EAST	FLYING		
3	0900	"	"		
1	1030	"	"		
5	1135	"	"		
2	1400	"	"		
2	1530	"	"		

Signature: _____



Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Tuesday

Biological Monitor:	Ron Walber	Date:	January 10, 2012	
Starting Location and Activity:	Beta / Mowing	Site Code:	Mojave Solar	
Weather:	Cold / Clear	Start	7:00 AM	Midday 12:00
Rainfall? <i>(N)</i>	Temp:	37°	61°	53°
	% Cloud Cover:	8%	8%	25%
		End	5:10 PM	

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE.
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	NONE OBSERVED.

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

Signature: _____

Ron Walber

Thursday

Biological Monitor: Ron Walker Date: January 10, 2012

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

Incidental Species Observed		
Species	Activity (of species)	Location
CA HORNED LARK	flyin	Beta East
KESTREL ♀	flyin	Beta East
W MEADOWLARK	flyin	Beta East
MTN BLUEBIRD	flyin	Beta East
COOPERS HAWK	flyin	Beta East

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0700	3	4	Safety Meeting, moved out to BETA to observe morning observed 1 jackrabbit it got out of burrow way found potential hit fox burrow set up camera on it. no incidents, no mortalities.	1
1710	3	4	Left site	

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

- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other BETA
 - 5. Other _____
 - 6. Other _____
 - 7. Other _____

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

Signature: Ron Walker

Biological Monitor:	Ron Walker	Date:	Tuesday January 10, 2012	
Starting Location and Activity:	Beta / mowing	Site Code:	MSP	
Weather:	Clear / Cold	Start	Midday	End
		7:00AM	12:00	5:10 PM
Rainfall?	Temp:	37°	61	53
Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	% Cloud Cover:	0%	8%	75%

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	NO FSA FENCING
B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
4	0820	BETA	flying	0	0
2	940	BETA	flying	0	0
3	1427	BETA	flying	0	0

Signature: Ron Walker

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	<i>Holly Hull</i>	Date:	<i>01/10/12</i>	
Starting Location and Activity:	<i>BETA</i>	Site Code:	<i>Mojave Solar</i>	
Weather:	<i>CLEAR</i>	Start	<i>07:00AM</i>	Midday
			<i>25-30</i>	<i>63^I</i>
Rainfall?	Temp:			<i>4:30 PM</i>
Y N	% Cloud Cover:	<i>0</i>		<i>60</i>

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist **Peggy Wood C: 435-881-6444** and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) **Shelly Dayman C: (619) 820-0768**.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>① COTTONTAIL MORTALITY - BURIED OFFSITE</i>
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

Holly Hull

Biological Monitor:	H-Hill		Date:	01/10/12	
Starting Location and Activity:			Site Code:	MSP	
Weather:	see page 1		Start	Midday	End
			: AM	:	: PM
Rainfall?	Temp:				
Y N	% Cloud Cover:				

Non-Disturbance Buffer Monitoring Section (Nesting birds: WBO, Kit fox, Badger Penned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or 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: Bi-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	07:00 - 12:00	Botz	foraging		

Signature: _____

Jully Hill

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Peggy Wood		Date:	1-10-12	
Starting Location and Activity:	Beta: East		Site Code:	Mojave Solar	
Weather:		Start 05:40 AM	Midday 12:30	End 17:50 PM	
Rainfall?		25 F	58 F	61 F	
Y (N)		2%	25%	15%	

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Relocated 6 small mammals for Holly
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<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: _____

Peggy Wood

Biological Monitor: Peggy Wood Date: 1-10-12

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

Incidental Species Observed		
Species	Activity (of species)	Location

Notes/Comments Section

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

Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0540			Travel and arrive to safety meeting. Assign Bills. Immediately go to demo @ Alpha East, Hayes Ranch. Then go walk ahead of grader smoothing Rd. Keep Jessie from removing vegetation. Back to demo; have Ray R come to	Lackhart Hayes Ranch
0900			Construction meeting. After talk w/ Nicolas about new wells. Call from Holly, she needs animals released. Check Hayes Ranch demo/unknown holes. Check trench in Alpha East for culverts left exposed + open. Ask Pedro, Manuel + Javier to have NCM close pipe openings left in trenches. Check CMPeich demo in Alpha West.	
1220			Notify Matt S. + Curtis that SCE coming next Tues instead of this Thur. Print out Excel spreadsheet for HL Rd gaps. Go fill in eastings of fence line gaps for map illustration.	
1550			Go to Beta West to help Holly excavate a hole that looks potential but no recent sign activity.	
1635			Give WEAP training to new Teyma assistant.	

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

- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other _____
 - 5. Other _____
 - 6. Other _____
 - 7. Other _____

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

Signature: Peggy Wood

Biological Monitor:	Peggy Wood	Date:	1-10-12	
Starting Location and Activity:	Beta East	Site Code:	MSP	
Weather:		Start	Midday	End
		05:40 AM	12:30	17:50 PM
Rainfall?	Temp:	25F	58F	61F
Y (N)	% Cloud Cover:	2%	25%	15%

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" 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 checked="" type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" 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 checked="" type="checkbox"/> N/A	
F) Is all stockpiling kept away from buffer, posing no threat for siltation/debris entering into buffer? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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	1020	Alpha East	Flying	—	✓
2	1310	Alpha East	Flying	—	✓

Signature: Peggy Wood

Daily Biological Monitoring Log

Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor: <i>Raymond</i>	Date: <i>1/10/12</i>
Starting Location and Activity: <i>Alpha West</i>	Site Code: <i>Mojave Solar</i>
Weather: <i>clear, cool, no wind</i>	Start <i>7:00 AM</i> Midday <i>12:00</i> End <i>4:00 PM</i>
Rainfall?	Temp: <i>36</i> <i>66</i> <i>62</i>
Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	% Cloud Cover: <i>5</i> <i>85-cumulus</i> <i>50-cirrus</i>

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

Contact Designated Biologist **Peggy Wood C: 435-881-6444** and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) **Shelly Dayman C: (619) 820-0768**.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>injured side blatched lizard released</i>
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>none reported</i>
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

Raymond

Biological Monitor: Ray Thomas Date: 1/14/12

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

Incidental Species Observed		
Species	Activity (of species)	Location
horned larks	flying	Alpha West
COMMON DOVE	"	"
SM. MAMMOT	burrows	"
COTTONTAIL RABBIT	running	Alpha East
SPARROWS	flying	"
SIDENOTED LIZARD	running	" - relocated.
COOPERHEAD SKINK	flying	"

Notes/Comments Section

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

Time	ACT ¹	LOC ²	Notes/Comments	CL ³
700	8	4	Attend safety mtg. Continue to support demo work in Alpha West. excavator used to load concrete into dump truck.	1
835	8	4	Shift over to monitor demo work @ Hayes Ranch in Alpha East. Excavator being used to knock down structures. Coord w/ Peppy W. on work activities.	
1130	8	4	Demo of Hayes Ranch bldgs complete. Moved over to next structures to be demolished in Alpha East.	
1350	8	4	Demo in Alpha East complete for day. Plan to monitor activities (demo) in Alpha West. Excavator loading concrete into dumpster for crushing.	
1500	8	4	Released captured animals for today.	

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

Signature: Ray Thomas

Mojave Solar Project
 1600 work completed for day in Alpha west/east. Depart site.

Biological Monitor:	hawk moths	Date:	1/10/12		
Starting Location and Activity:	Alpha West	Site Code:	MSP		
Weather:	Clear, cool no wind	Start	7:00 AM	Midday	12:00
Rainfall?	Temp:		30		61
Y (N)	% Cloud Cover:		5		35-cirrus
					50-cirrus

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger Penned DT)			
Species, Location, and ID:	Condition	Compliance?	Comments
	A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	NO ESA FENCING
	B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
	C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
	E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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	7:34	Alpha West	flying	N/A	N/A
2	10:17	Alpha East	"	"	"
1	11:35	"	"	"	"
1	12:22	"	perched	"	"
1	3:46	"	flying	"	"

Signature: *Ray Jones*

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	LEDZIORA	Date:	1/10/12	
Starting Location and Activity:	BETA EAST	Site Code:	Mojave Solar	
Weather:		Start	Midday	End
		07:00 AM	12:00	17:00 PM
Rainfall?	Temp:	30F	44F	50F
Y (N)	% Cloud Cover:	0	0	30

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE.
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2.3)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	check south fence line 1000
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	NONE IN WORK AREA
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	NONE IN WORK AREA
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

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

Signature: _____



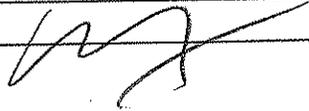
Biological Monitor:	KEOZIORA	Date:	1/10/12		
Starting Location and Activity:	BETA EAST	Site Code:	MSP		
Weather:		Start	Midday	End	
		07:00 AM	12:00	17:00 PM	
Rainfall?	Temp:	30F	44F	50F	
Y N	% Cloud Cover:	0	0	30	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger Panned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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	0730	BETA EAST	FLYING		
2	1100	⊥	⊥		
2	1400	⊥	⊥		

Signature: _____



Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Wednesday

Biological Monitor:	<i>Ron Walker</i>	Date:	<i>January 11, 2012</i>	
Starting Location and Activity:	<i>Beta / Mowing</i>	Site Code:	<i>Mojave Solar</i>	
Weather:	<i>Cold / Clear</i>	Start	<i>7:00AM</i>	Midday <i>12:00</i>
				End <i>5:10 PM</i>
Rainfall?	Temp:	<i>29°</i>	<i>66°</i>	<i>60</i>
Y <input checked="" type="radio"/> N <input type="radio"/>	% Cloud Cover:	<i>10%</i>	<i>35%</i>	<i>60%</i>

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE.
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2.3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<i>NO ESA FENCING</i>
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road-kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>NONE OBSERVED/CAMERA DETECTED!</i>

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

KFOX IN BETA

Signature: *Ron Walker*

Biological Monitor: Ron Walker Date: January 11, 2011

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

Incidental Species Observed		
Species	Activity (of species)	Location
CA HORVED LARK	flyng	Beta East
W MEADOWLARK	flyng	Beta East
SAGE SPARROW	flyng	Beta East

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0700	3	4	Safety meeting, moved to Beta East to observe morning no mammals, no reptiles, no incidents, no mortalities found 1 burrow set up camera fresh digging possibly KF	1
1710			Left site	

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

- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other Beta East
 - 5. Other _____
 - 6. Other _____
 - 7. Other _____

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

Signature: Ron Walker

Wednesday

Biological Monitor:	Ron Walker	Date:	January 11, 2012
Starting Location and Activity:	Beta / Mowing	Site Code:	MSP
Weather:	Cold / Clear	Start	7:00AM
		Midday	12:00
		End	5:10 PM
Rainfall?	Temp:	29°	66°
Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	% Cloud Cover:	10%	35%
			60%

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger Pinned DI)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	NO BUFFER AREAS
B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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	0815	Beta	flying/ground	0	0
2	0846	Beta	flying	0	0
1	1423	Beta	flying	0	0
1	1448	Beta	flying		

Signature: _____

Ron Walker

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	BMW	Date:	1/11/12	
Starting Location and Activity:	BE Cut & Fill	Site Code:	Mojave Solar	
Weather:		Start	Midday	End
		07:00 AM	12:00	17:00 PM
Rainfall?	Temp:	27	58	63
Y <input checked="" type="checkbox"/>	% Cloud Cover:	20	20	20

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE.
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2.3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	removed 2 dead snakes killed by scrapers
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	none observed

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

Signature: _____

[Handwritten Signature]

Biological Monitor:	BMW		Date:	1/11/12	
Starting Location and Activity:	BE cut/fill		Site Code:	MSP	
Weather:		Start 7:00AM	Midday 12:00	End 17:00PM	
Rainfall?	Temp:	27	58	63	
Y N	% Cloud Cover:	20	20	20	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger Panned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or 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	no sign
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	none seen
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	none seen
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	looks good
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	none needed
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	no threat

Raven Monitoring: Bi-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	not seen at noon	BE	flying		

Signature: _____

[Handwritten Signature]

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	<i>Holly Hill</i>	Date:	01/11/12	
Starting Location and Activity:	BETA	Site Code:	Mojave Solar	
Weather:	overcast	Start	07:00AM	End
			~ 30°	5:00 PM
Rainfall?	Temp:			
Y N	% Cloud Cover:			

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

Contact Designated Biologist Peggy Wood C: (435) 881-6444 and Mojave Solar POC or foreman on arrival.
For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
In emergencies, dial 911

General Monitoring Section			Comments
Condition	Compliance?		
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	Yes	No N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	Yes	No N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	Yes	No N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	Yes	No N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	Yes	No N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	Yes	No N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	Yes	No N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	Yes	No N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	Yes	No N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	Yes	No N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	Yes	No N/A	
L) No standing water, note check times/locations (BIO-7.12)	Yes	No N/A	① ANTELOPE GRAND SQUIRREL MONITOR
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	Yes	No N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	Yes	No N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	Yes	No N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	Yes	No N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	Yes	No N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	Yes	No N/A	
S) Special status species observed? Describe	Yes	No N/A	

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

Signature: _____

Holly Hill

Biological Monitor:	H. Hill		Date:	01/11/12	
Starting Location and Activity:			Site Code:	MSP	
Weather:	see pg 1	Start	Midday	End	
		: AM	:	:	PM
Rainfall?	Temp:				
Y N	% Cloud Cover:				

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger Panned DT)			
Species, Location, and ID:	Condition	Compliance?	Comments
	A) Are exclusionary fencing and/or 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 sitation/debris entering into buffer? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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	07:00-11	BETA	FLYING/GROUND		

Signature: Holly Hill

**Daily Biological Monitoring Log
Mojave Solar Project**

Fence Inspection

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Peggy Wood		Date:	1-11-12	
Starting Location and Activity:	Beta East		Site Code:	Mojave Solar	
Weather:		Start 05:45 AM	Midday 12:00	End 17:00 PM	
Rainfall? Y (N)	Temp:	32	57	16 LF	
	% Cloud Cover:	90%	90%	80%	

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

Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	bunny removed off Lochhart Rd.
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

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

Signature: _____

Peggy Wood

Biological Monitor:	Peggy Wood	Date:	1-11-12
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Incidental Species: Daily notation of species other than WBO, DT, AB, KF or MGS

Incidental Species Observed		
Species	Activity (of species)	Location
mountain bluebird	flying	@p Beta East

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0545			Travel and arrive to safety meeting. Line-up BMs. Give WEAP training new blaster truck driver. Ask Hector to notify me when chipper gets moved.	
0900			Construction meeting. Haul brush off Thurs. Get out to set-up new camera @ hole in Beta East dug by KF. Also check camera set-up by Row yesterday. No descent into hole, I visit. Look inside w/mirror, see end of hole, then collapse. Done.	
1130			Get to chipper in front of Hayes Ranch. Finishing tamarisk debris pile. Isaac called to notify that Layne-Christensen will work on well in south-central Beta East; I go look to see no wildlife issues there.	
1400			Row found another KF-dug hole eastern Beta East so I go set-up 2nd camera there. After go walk fence line in eastern Alpha East and continue all the way around Alpha to west and back.	

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

- Location (LOC)²**
1. DT Fence
 2. Access Road
 3. Drainage
 4. Other _____
 5. Other _____
 6. Other _____
 7. Other _____

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

Signature: Peggy Wood

Biological Monitor:	Peggy Wood		Date:	1-11-12	
Starting Location and Activity:	Beta East		Site Code:	MSP	
Weather:		Start 05:45 AM	Midday 12:00	End : PM	
Rainfall?	Temp:	32 F	57 F		
Y <input type="radio"/> N <input checked="" type="radio"/>	% Cloud Cover:	80%	90%		

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" 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 checked="" type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" 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 checked="" type="checkbox"/> N/A	
F) Is all stockpiling kept away from buffer, posing no threat for siltation/debris entering into buffer? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
5	1420	Beta East	flying	—	—
2	1410	Alpha West	flying	—	—

Signature: _____

Peggy Wood

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Ray Romero	Date:	11/11/12	
Starting Location and Activity:	Alpha West	Site Code:	Mojave Solar	
Weather:	cloudy, cool, no wind	Start	7:00 AM	12:00
				4:00 PM
Rainfall?	Temp:	35	58	62
Y (N)	% Cloud Cover:	90	90	80

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	none seen
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	none reported
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

Ray Romero

Biological Monitor: Raymond W Date: 1/11/12

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

Incidental Species Observed		
Species	Activity (of species)	Location
Varied larks	flying	Alpha West
Common juncos	"	"
Shrike	burrows	"
rabbit	tracks / scat	"
weasel	tracks / scat	"
prairie falcon	perched	"
Gambel's quail	flushed	"
burrows	flying	"

Notes/Comments Section

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

Time	ACT ¹	LOC ²	Notes/Comments	CL ³
700	8	4	Attend safety mtg. Sign attendance sheet. Continue to support demo work in Alpha West. Excavators loading materials in dump trucks.	1
750	8	4	29 dumpsters arriving on site to load wood debris and haul off site.	
1320	5	4	Inspect trenches in Alpha West.	
1512	5	4	Complete inspection of trenches. No entrapped wildlife was observed. Resume monitoring of demo crew in Alpha West.	
1530	8	4	Demo work in Alpha West complete for day. Complete field forms & coord w/ Pegg W. Depart site.	

~~1600~~

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

Signature: [Signature]

Biological Monitor:	Jay Thomas			Date:	4/11/12
Starting Location and Activity:	Alpha West			Site Code:	MSP
Weather:	cloudy cool no wind	Start	7:00 AM	Midday	12:00
Rainfall?	Temp:	35		58	62
Y/N	% Cloud Cover:	90		90	80

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	No ESA fencing
B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input checked="" 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: Bi-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	8:57	Alpha West	flying	N/A	N/A
1	11:27	"	flying	"	"
1	14:43	"	flying	"	"

Signature: _____

Jay Thomas

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	KEOZTORA	Date:	1/11/12	
Starting Location and Activity:	BEVA EAST	Site Code:	Mojave Solar	
Weather:		Start	Midday	End
		07:00 AM	12:00	17:00 PM
Rainfall?	Temp:	27F	60F	54F
Y <input checked="" type="radio"/> N <input type="radio"/>	% Cloud Cover:	70%	80%	90%

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE.
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	0740 check
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	NONE IN WORK AREAS
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____



Biological Monitor:	KEDZIORA	Date:	1/11/12
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Incidental Species: Daily notation of species other than WBO, DT, AB, KF or MGS

Incidental Species Observed		
Species	Activity (of species)	Location
WCSP	FORAGE	BETA, ALPHA WEST
LOSH	HUNTING	ALPHA WEST
WEME	FORAGE	BETA
NOLA	FORAGE	BETA

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0700	8	4	TAILGATE	—
0715	3	4	OBSERVE MOVEMENT OF BRUSH PILES BY DOZER EAST OF BETA CUT	1
0740	5	4	CHECK CULVERTS PRIOR TO EXCAVATION	1
0840	3	4	TEMPORARY FILL IN TSK FOR ROAD - WATCH BRUSHING WITH MOWER	1
1015	3	4	WATCH DOZER MOVE BRUSH PILES	1
1230	5	3	WATCH DOZER BRUSH CLEAR FOR REST OF DAY - NO ANIMALS ON MY WATCH	1
1700	5	3	END OF DAY	

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

- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other
 - 5. Other
 - 6. Other
 - 7. Other
- ALPHA WEST
BETA

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

Signature: _____

Mojave Solar Project

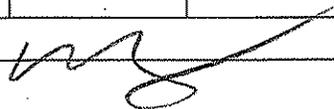
Biological Monitor:	KEOZORA	Date:	1/12/11	
Starting Location and Activity:	BETA EAST	Site Code:	MSP	
Weather:		Start : AM	Midday :	End : PM
Rainfall?	Temp:	27F	60F	54F
Y (N)	% Cloud Cover:	70%	80%	90%

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger Panned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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	0740	BETA EAST	Flying		
4	1030	"	"		
1	1500	ALPHA WEST	"		
1	1530	"	"		
1	1615	"	"		

Signature: _____



Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor: <i>BMU</i>		Date: <i>1/12/12</i>	
Starting Location and Activity: <i>BE cut/fill, mowing</i>		Site Code: <i>Mojave Solar</i>	
Weather:	Start <i>07:00 AM</i>	Midday <i>12:00</i>	End <i>17:00 PM</i>
Rainfall?	Temp: <i>24</i>	<i>50</i>	<i>50</i>
Y (N)	% Cloud Cover: <i>5</i>	<i>5</i>	<i>5</i>

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

Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<i>None seen</i>

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

Signature: _____

MB Dayman

Biological Monitor:	BMU	Date:	1/12/12	
Starting Location and Activity:	BE cut/fill mowing	Site Code:	MSP	
Weather:		Start	Midday	End
		07:00 AM	12:00	17:00 PM
Rainfall?	Temp:	24	50	50
Y N	% Cloud Cover:	5	5	5

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or 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	no sign
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	none seen
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	none seen
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	looks good
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	none needed
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	no threat

Raven Monitoring: Bi-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?
13	max seen at once	BE	flying		

Signature: _____

MBS July

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Thursday

Biological Monitor:	<i>Ron Walker</i>	Date:	<i>January 12, 2012</i>	
Starting Location and Activity:	<i>Alpha W/ Demo</i>	Site Code:	<i>Mojave Solar</i>	
Weather:	<i>Cold/Clear</i>	Start	<i>7:00AM</i>	<i>12:00</i>
			<i>5:40 PM</i>	
Rainfall?	Temp:	<i>27°</i>	<i>68°</i>	<i>59°</i>
Y N	% Cloud Cover:	<i>10%</i>	<i>10%</i>	<i>10%</i>

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

Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.

For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.

In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2.3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<i>NO BUFFER ZONES</i>
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>CAMERA DETECTED BADGER</i>

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

Signature: _____

Ron Walker

Biological Monitor: Ron Walker Date: January 12, 2012

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

Incidental Species Observed		
Species	Activity (of species)	Location
W Meadowlark	flying	Alpha West
CA Horned Lark	flying	Alpha West
SAGE SPARROW	perched	Alpha West
N HARRIER	flying	Beta East

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0700	8	4	Safety meeting, moved to Alpha West to Caberne demolition demo old farm infrastructure no wildlife, no incidents	1
1000	8	5	Moved to collect Ryken Well samples	
1147	8	0	Met w/ Dale Rundquist from CEC	
1210	8	0	Escorted Jim Shearer & Ann Brinity out to cut & fill area to meet w/ CEC.	
1350			Back in Alpha West for Demo	1
1630			Demo done, moved to Mowing in Beta East	1
			No incidents, no Wildlife	
			Set up camera on fresh digging	

1735 armed cameras in Beta 1810 left site

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

- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other ALPHA WEST
 - 5. Other Beta
 - 6. Other
 - 7. Other

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

Signature: Ron Walker

Biological Monitor:	Ron Walker		Date:	Thursday January 12, 2012	
Starting Location and Activity:	Alpha West/Demo		Site Code:	MSP	
Weather:	Cold/Clear	Start	7:00 AM	Midday	12:00
				End	5:40 PM
Rainfall?	Temp:	27'	68°	59	
Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	% Cloud Cover:	10%	10%	10%	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	NO ESA RELEVANT C
B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	BUFFER AREAS
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
3	1645	Alpha W	flying	0	0
3	1645	Beta E	flying	0	0
3	0909	Alpha W	flying	0	0
2	1705	Beta E	flying	0	0

Signature: _____

Ron Walker

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	A. Hill	Date:	01/12/12	
Starting Location and Activity:	ALPHA WEST ^{BUSH CLEAR}	Site Code:	Mojave Solar	
Weather:		Start	Midday	End
		07:00 AM	12:00	: PM
Rainfall?	Temp:	≤ 30	60°	
	% Cloud Cover:	0%	0%	
Y N				

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

Contact Designated Biologist Peggy Wood C: (435) 881-6444 and Mojave Solar POC or foreman on arrival.
For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
In emergencies, dial 911

General Monitoring Section			Comments
Condition	Compliance?		
	Yes	No	N/A
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> N/A
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> N/A
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> N/A
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> N/A
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> N/A
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> N/A
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> N/A
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> N/A
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/>	<input type="checkbox"/>	N/A
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/>	<input type="checkbox"/>	N/A
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> N/A
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> N/A
S) Special status species observed? Describe	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A

2 AGS; 2 krat; 1 pm - north side
Buried onsite see Wildlife Obs sheet

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

Signature: _____

A. Hill

Biological Monitor:	H. Hill		Date:	01/12/12	
Starting Location and Activity:			Site Code:	MSP	
Weather:	see pg 4	Start	Midday	End	
		: AM	:	: PM	
Rainfall?	Temp:				
Y N	% Cloud Cover:				

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBC, Kit fox, Badger Pinned DT)			
Species, Location, and ID:	Condition	Compliance?	Comments
	A) Are exclusionary fencing and/or 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	NA
	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: Bi-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	all day	AW	foraging		

Signature: _____

Holly Hill

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Peggy Wood	Date:	1-12-12	
Starting Location and Activity:	Beta East	Site Code:	Mojave Solar	
Weather:		Start	Midday	End
		05:40 AM	13:00	17:10 PM
Rainfall?	Temp:	19 F	61	52 F
Y <input checked="" type="radio"/> N <input type="radio"/>	% Cloud Cover:	5%	5%	5%

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist **Peggy Wood C: 435-881-6444** and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<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: _____

Peggy Wood

Biological Monitor: Peggy Wood Date: 1-12-12

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

Incidental Species Observed		
Species	Activity (of species)	Location
bluebirds, mountain	flying	Beta East

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0540			Travel + arrive to safety meeting. Cold envt to freeze water lines. Get BMs lined-up. Give WEAP to 4 new truck drivers. Talk w/ Matt S. He requests me to call Ray Bransfield to inquire about Variance for vege clearing along Lockhart.	
0900			Construction meeting. CEL visiting today. Request replenishment gravel under gates to 1" clearance to keep tortoises out. Contact Ray B. again requesting variance for DT clearance along Lockhart.	
1030			check camera and find badger photos - 1 st time on site!!! Did not descend into hole but visited SE Beta East. Set up lathe to delineate hole.	
1200			Return to trailer, briefly catch up w/ Dale Rundqvist. Send off photos and notifications (CNDDB). Answer Shelly's BUDW questions.	
1500			Get out, set 3 rd camera @ dig in east Beta East found by Brennan. Walk East boundary looking for sign of badger digging under fence. None found	
1610			Provide WEAP training for new water truck driver	

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

Signature: Peggy Wood

Biological Monitor:	Peggy Wood		Date:	1-12-12	
Starting Location and Activity:	Beta East		Site Code:	MSP	
Weather:		Start 05 :40 AM	Midday 13 : 00	End 17 : 10 PM	
Rainfall?	Temp:	19 F	61 F	52 F	
Y (N)	% Cloud Cover:	5%	5%	5%	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	photos @ night of badger
C) Any sensitive species observed immediately outside fencing? Describe	<input checked="" 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 checked="" 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 checked="" type="checkbox"/> N/A	
F) Is all stockpiling kept away from buffer, posing no threat for siltation/debris entering into buffer? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
3	1420	Beta East	flying	—	—

Signature: Peggy Wood

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Friday

Biological Monitor:	<i>Ron Walker</i>	Date:	<i>January 13, 2012</i>		
Starting Location and Activity:	<i>Alpha West/Demo</i>	Site Code:	<i>Mojave Solar</i>		
Weather:	<i>Cold/Clear</i>	Start	<i>7:00 AM</i>	Midday	<i>12:00</i>
Rainfall?	Temp:	<i>25°</i>	<i>68°</i>	End	<i>5:10 PM</i>
	% Cloud Cover:	<i>0%</i>	<i>0%</i>	<i>0%</i>	
Y <input checked="" type="checkbox"/> N <input type="checkbox"/>					

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist **Peggy Wood C: 435-881-6444** and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) **Shelly Dayman C: (619) 820-0768**.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas?(BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>CAMERA DETECTED BADGER</i>

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

Signature: _____

Ron Walker

Badger in Beta East

Biological Monitor: Ron Walker Date: Friday January 13, 2012

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

Incidental Species Observed		
Species	Activity (of species)	Location
N Yarrow	flying	Alpha W + Beta
kestrel	flying	Beta
Warmed lark	Uflying	alpha W + Beta
W meadowlark	flying/ground	Beta
Shrike	perched	Alpha West

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0700	B.	4	Safety meeting moved to Alpha West for Demo, no wildlip, no incidents	1
0830	5	5	moved to Hayes Ranch to pull out old septic tank	1
0935	5	4	moved back to Demo	
1100	4	6	moved to Beta set set up cameras on 2. fresh digging sites, run cameras all weekend	1
1710			Left site	
			Peggy to check cameras on Monday	

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

Signature: Ron Walker

Friday

Biological Monitor:	<i>Ron Walker</i>		Date:	<i>January 13, 2012</i>	
Starting Location and Activity:	<i>Alpha West / Demo</i>		Site Code:	<i>MSP</i>	
Weather:	<i>Cold / Clear</i>	Start <i>7:00 AM</i>	Midday <i>12:00</i>	End <i>5:10 PM</i>	
Rainfall?	Temp:	<i>25°</i>	<i>68°</i>	<i>60°</i>	
Y N	% Cloud Cover:	<i>0%</i>	<i>0%</i>	<i>0%</i>	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>No Buffer Areas</i>
B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
0805 2	0805	Alpha West	ground	<i>0</i>	<i>0</i>
1	0815	Alpha West	flying	<i>0</i>	<i>0</i>
2	1602	Beta E	flying	<i>0</i>	<i>0</i>

Signature: _____

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Holly Hill	Date:	01/13/12	
Starting Location and Activity:	ALPHA WEST ^{veg} clear	Site Code:	Mojave Solar	
Weather:	clear	Start	Midday	End
		07:00AM	12:00	5:00PM
Rainfall?	Temp:	~20	~58	
Y N	% Cloud Cover:	0	0	

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas?(BIO-7.2,3)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	① AGS - MORTALITY; buried by site ② LUNA - LIVE RELUCATE " "
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	?
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

Holly Hill

Biological Monitor:	A. Hill		Date:	01/13/12	
Starting Location and Activity:			Site Code:	MSP	
Weather:	see page 10	Start	Midday	End	
		: AM	:	:	PM
Rainfall?	Temp:				
Y N	% Cloud Cover:				

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or 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	↑ NA ↓
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: Bi-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	07:30-12	AW	foraging		

Signature: _____ *Aally Hill*

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor: <i>BMU</i>	Date: <i>1/13/12</i>			
Starting Location and Activity: <i>BE cut/fill missing</i>	Site Code: <i>Mojave Solar</i>			
Weather:	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Start <i>7:00 AM</i></td> <td style="width: 33%;">Midday <i>12:00</i></td> <td style="width: 33%;">End <i>1:00 PM</i></td> </tr> </table>	Start <i>7:00 AM</i>	Midday <i>12:00</i>	End <i>1:00 PM</i>
Start <i>7:00 AM</i>	Midday <i>12:00</i>	End <i>1:00 PM</i>		
Rainfall?	Temp: <i>18</i>			
Y N	% Cloud Cover: <i>0</i>			

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

Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2.3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bore) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<i>none</i>
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<i>none observed</i>

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

Signature: _____

[Handwritten Signature]

Biological Monitor:	BSMU	Date:	1/13/12		
Starting Location and Activity:	BE cut/fill mowing	Site Code:	MSP		
Weather:		Start	Midday	End	
		7:00 AM	12:00	17:00 PM	
Rainfall?	Temp:	18	57	60	
Y N	% Cloud Cover:	0	0	0	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or 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	No sign
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	probably badgers badgers digging holes
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	none seen
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	looks good
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	none needed
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	looks good

Raven Monitoring: Bi-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?
9 ⁺ - max single count		BE	flying walking		

Signature: _____

MSM

**Daily Biological Monitoring Log
Mojave Solar Project**

Fence Inspection

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Peggy Wood		Date:	1-13-12	
Starting Location and Activity:	Beta East		Site Code:	Mojave Solar	
Weather:		Start	Midday	End	
		05:40 AM	12:00	18:00 PM	
Rainfall?	Temp:	14 F	58 F	47 F	
Y <input checked="" type="radio"/> N <input type="radio"/>	% Cloud Cover:	2%	0%	0%	

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	blob of geese picked up out of fill by Brennan
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input 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: _____

Peggy Wood

Biological Monitor: Peggy Wood Date: 1-13-12

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

Incidental Species Observed		
Species	Activity (of species)	Location

Notes/Comments Section

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

CD Silver pks
White Silver pks
fenced all around
twice

Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0540			Travel and arrive to safety meeting. Line-up BMs. Give WPP training to SCE guys assessing substation scope of works.	
0900			Construction meeting. Discuss actions in response to speed limit on H.L. Suggest to record license plates. Correspond w/Matt over Ray B's reply; ask if he wants further contact regarding speed modification request. Discuss also w/Nicolas. Answer Luis's questions over vegetation removal on site + in between fencing.	
1100			Get out to check camera cards E Beta East. Find photos of badger visiting 2 of 3 holes. Tell Curtis we need 3 rd night of monitoring w/ excavating.	
1230			Walk Beta fence line around. Then walk Alpha East southern boundary.	
1400			Go to Alpha West, check on progress w/Holly + dozer. Find much cleared. Get word to check for camera card, find it in my car then return to Beta to arm Reconyx for weekend. Get approval to work Monday to excavate the burrows.	

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

- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other _____
 - 5. Other _____
 - 6. Other _____
 - 7. Other _____

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

Signature: Peggy Wood

Biological Monitor:	Peggy Wood		Date:	1-13-12	
Starting Location and Activity:	Beta East		Site Code:	MSP	
Weather:		Start 05:40 AM	Midday 12:00	End 18:00 PM	
Rainfall?	Temp:	H F	58 F	47 F	
Y (N)	% Cloud Cover:	2%	0%	0%	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input checked="" 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 checked="" 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 checked="" type="checkbox"/> N/A	
F) Is all stockpiling kept away from buffer, posing no threat for siltation/debris entering into buffer? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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	1240 Beta East	Beta East	Flying	—	—

Signature: _____

Peggy Wood

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Peggy Wood	Date:	1-16-12	
Starting Location and Activity:	Beta East	Site Code:	Mojave Solar	
Weather:		Start	Midday	End
		07:30 AM	12:30	: PM
Rainfall?	Temp:	41 F	53 F	
Y (N)	% Cloud Cover:	5%	0%	

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist **Peggy Wood C: 435-881-6444** and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input 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: _____

Peggy Wood

Biological Monitor: Peggy Wood	Date: 1-16-12
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Incidental Species: Daily notation of species other than WBO, DT, AB, KF or MGS

Incidental Species Observed		
Species	Activity (of species)	Location

Notes/Comments Section

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

Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0730			Travel to Beta East, stop & check in with Securitas to let them know my activities in Beta East. Go to Beta East beginning @ northern-most camera. Check camera; no photos of activity. Excavate burrow carefully. Vacant of animals. Move on to 2 nd camera, follow same procedure (2 nd small camera). No photos. Excavate after probing. Move on to 3 rd camera (1 st Reconnyx). No photos. Vegetation still in place, probed hole w/ aluminum rod. No sign. Excavate. Vacant. Move on to 2 nd Reconnyx camera. No photos. Probe hole. Excavate. Move on to 3 rd Reconnyx. Vegetation still in place. One photo of coyote walking past -- large coyote! probe hole. No sign excavate.	
1145			Reset all cameras after smoothing sites w/ sandy soil as tracking plate to note activity. High winds!!!	

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

- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other _____
 - 5. Other _____
 - 6. Other _____
 - 7. Other _____

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

Signature: _____

Peggy Wood

Mojave Solar Project

Biological Monitor:	Peggy Wood		Date:	1-16-12	
Starting Location and Activity:	Beta East		Site Code:	MSP	
Weather:		Start 07:30 AM	Midday 12:30	End : PM	
Rainfall?	Temp:	41 F	53 F		
Y (N)	% Cloud Cover:	5%	0%		

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or 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: Bi-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?
3	1010	Beta East	walking	✓	✓

Signature: Peggy Wood

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor: <i>Raymond</i>	Date: <i>1/17/12</i>
Starting Location and Activity: <i>Beta East</i>	Site Code: <i>Mojave Solar</i>
Weather: <i>Clear, cool, no wind</i>	Start <i>7:00 AM</i> Midday <i>12:00</i> End <i>5:00 PM</i>
Rainfall?	Temp: <i>26</i> <i>50</i> <i>48</i>
Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	% Cloud Cover: <i>0</i> <i>2</i> <i>3</i>

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

Contact Designated Biologist **Peggy Wood C: 435-881-6444** and Mojave Solar POC or foreman on arrival.
For health and safety issues, please contact the Field Safety Director (AEGOM) **Shelly Dayman C: (619) 820-0768**.
In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>none observed</i>
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no spills reported</i>
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

Raymond

Biological Monitor: Ray Brown Date: 1/17/12

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

Incidental Species Observed		
Species	Activity (of species)	Location
Wired tanks	Flying	Beta East
Common Ravens	Flying	"
Small mammal	Burrows	"
KIT fox	burrow	"
Longer head shrike	Flying	"
Western meadowlark	feeding	"
Jack rabbit	running	" two young relocated
Sparrows	Flying	"
American kestrel	Flying	"

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
700	3	4	Attend safety mtg. Sign attendance sheets. After mtg, remove 5 camera stations. No recent DKF activity was observed @ stations in Beta East.	1
750	3	4	Monitoring box quador performing clear & grub in Beta East.	
1050	3	4	IFB potential DKF burrow. Take coords & plan to stake & set up camera @ burrow. Not in regard by const. equip. at moment.	
1230	3	4	Camera & staked buffer in place. Coord w/ Peggy W. Continue monitoring box quador.	
345	3	4	Relocated two baby jack rabbits to outside of project area. Animals were unharmed. Adult nearby but inside fence.	
1700	3	4	Work completed for day. Depart site	

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

- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other Beta East
 - 5. Other _____
 - 6. Other _____
 - 7. Other _____

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

Signature: _____

Ray Brown

Biological Monitor:	Hayden			Date:	1/17/12	
Starting Location and Activity:	Beta East			Site Code:	MSP	
Weather:	clear cold, no wind			Start	Midday	End
				7:00 AM	12:00	5:00 PM
Rainfall?	Temp:	26		50		48
Y (N)	% Cloud Cover:	0		2		3

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	No ESA fencing
B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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	7:58	Beta East	flying	N/A	N/A
2	9:37	ll	ll	ll	ll
1	11:14	ll	ll	ll	ll
8	2:40	ll	ll	ll	ll
6	4:25	ll	ll	ll	ll

Signature: _____

[Handwritten Signature]

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Peggy Wood	Date:	1-17-12	
Starting Location and Activity:	Beta East	Site Code:	Mojave Solar	
Weather:		Start	Midday	End
		05:40 AM	12:00	17:10 PM
Rainfall?	Temp:	12 F	53 F	51 F
Y (N)	% Cloud Cover:	0%	0%	0%

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<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: _____

Peggy Wood

714-264-6774

Biological Monitor: Peggy Wood	Date: 1-17-12
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Incidental Species: Daily notation of species other than WBO, DT, AB, KF or MGS

Incidental Species Observed		
Species	Activity (of species)	Location

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0540			Travel + arrive to safety meeting. Line-up BMs. Go remove cameras in eastern Beta East. Go provide training WEAP to SCE and 2 new Straight-Line people.	
0900			Construction meeting. Mon 23 rd - Envirocon for 4 days in Merc then Peich on 30 th to demo Merc. Go thru camera cards, no sign of digging or badger. Talk w/ Nicolas about fence. Talk to Isaac Alberto + Ignacio about fence plans, NCM activity. Go out to see where NCM digging for AC pipe Beta West.	
1100			Check on Alpha West activity. Begin walking trench in Alpha West.	
1420			Go to Alpha Beta East, catch up w/ Ray. Set up camera along eastern fence line Beta East. Discuss project. Return to trailers, catch up on email correspondence. Get on call w/ IRS to resolve payment. Correspond w/ Julie regarding new contract amendment. Get out to see progress of vegetation clearing in Alpha West, north end.	
1610				

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

Signature: Peggy Wood

Biological Monitor:	Peggy Wood		Date:	1-17-12	
Starting Location and Activity:	Beta East		Site Code:	MSP	
Weather:		Start	Midday	End	
		05:40 AM	12:00	17:10 PM	
Rainfall?	Temp:	12 F	53 F	51 F	
Y <input checked="" type="radio"/> N <input type="radio"/>	% Cloud Cover:	0%	0%	0%	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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	0815	Beta East	flying	✓	✓

Signature: _____

Peggy Wood

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Tsegaye Mengistu	Date:	1/17/12	
Starting Location and Activity:	Beta, Grading, Ripping	Site Code:	Mojave Solar	
Weather:	cloudy AM clear PM	Start	Midday	End
		7:00 AM	12:00	5:00 PM
Rainfall?	Temp:	20°F	39°F	66°F
Y(N)	% Cloud Cover:	50%	20%	7%

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

Tsegaye Mengistu

Biological Monitor: Tsegaye Mengistu	Date: 1/17/12
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Incidental Species: Daily notation of species other than WBO, DT, AB, KF or MGS

Incidental Species Observed		
Species	Activity (of species)	Location

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
7:00		4	pre construction meeting by Surobit at Stepping beta. Safety/health and work scope of the deep discussed	1
7:45	8	4	monitored the cut/fill operation at beta by 1 D8 & 8 scrapers.	1
12:00			lunch time	
12:45	8	4	cut/fill operation commenced.	1
5:00			end of work day	

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

Signature: Tsegaye Mengistu

Biological Monitor:	Tsegaye Mengistu		Date:	1/17/12	
Starting Location and Activity:	Beta, excavation, grading		Site Code:	MSP	
Weather:	Cloudy Am Clear Pm	Start 7:00 AM	Midday 12:00	End 5:00 PM	
Rainfall?	Temp:	20°F	39°F	68°F	
Y (N)	% Cloud Cover:	50%	20%	7%	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBC, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" 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 checked="" type="checkbox"/> N/A	
F) Is all stockpiling kept away from buffer, posing no threat for siltation/debris entering into buffer? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
7	7:55-5:00	Beta	flying/ground		

Signature: _____

Tsegaye Mengistu

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	<i>Holly Hill</i>	Date:	01/17/12	
Starting Location and Activity:	ALPHA WEST - VEG CLEARING	Site Code:	Mojave Solar	
Weather:	CLEAR	Start	Midday	End
		07:00 AM	12:00	5:00 PM
Rainfall?	Temp:	20	58 ?	50
Y/N	% Cloud Cover:	0%		0

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	?
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

Holly Hill

Biological Monitor:	H. Hill		Date:	01/17/12	
Starting Location and Activity:			Site Code:	MSP	
Weather:	see p 2		Start : AM	Midday :	End : PM
Rainfall?	Temp:				
Y N	% Cloud Cover:				

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or 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	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: Bi-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	ALL DAY	ALP WEST	FORAGING		

Signature: Holly Hill

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Tsegaye Mengistu	Date:	11/18/12	
Starting Location and Activity:	Beta, cut/fill	Site Code:	Mojave Solar	
Weather:	Cloudy Am, Sunny Pm	Start	Midday	End
		7:00 AM	12:00	5:00 PM
Rainfall?	Temp:	21°F	49°F	65°F
Y (N)	% Cloud Cover:	75%	35%	15%

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature:

Tsegaye Mengistu

Biological Monitor: Tsegaye Mengistu	Date: 1/18/12
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Incidental Species: Daily notation of species other than WBO, DT, AB, KF or MGS

Incidental Species Observed		
Species	Activity (of species)	Location

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
7:00		4	Pre construction meeting at Stepping Beta. Safety/health and work scope of the day discussed.	1
7:45	4.5	4	excavation and grading performed by D8 at beta	1
12:00		4	lunch time	
12:45			Vegetation removal and ripping by D8 at beta	1
5:00			end of work day	

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

- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other Beta
 - 5. Other _____
 - 6. Other _____
 - 7. Other _____

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

Signature: Tsegaye Mengistu

Biological Monitor:	Tsegaye Mengistu		Date:	1/18/12	
Starting Location and Activity:	Beta cut/fill		Site Code:	MSP	
Weather:	Sunny / Partly Cloudy	Start	Midday	End	
		7:00 AM	12:00	5:00 PM	
Rainfall?	Temp:	21°C	49°F	66°F	
Y (N)	% Cloud Cover:	75%	35%	15%	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Penned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" 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 checked="" type="checkbox"/> N/A	
F) Is all stockpiling kept away from buffer, posing no threat for siltation/debris entering into buffer? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
5	7:00-5:00	Beta	flying		

Signature: Tsegaye Mengistu

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Holly Hill	Date:	01/18/12	
Starting Location and Activity:	ALPHA WEST VEG REMOVAL	Site Code:	Mojave Solar	
Weather:		Start	Midday	End
		07:00 AM	12:00	5:00 PM
Rainfall?	Temp:	25-30	58	55
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 Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2 WTA; 2 P. NAME (SPEC) RELICATED LIVE OFF SITE; 2 KRAT MORTALITIES BURIED OFFSITE
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	?
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

Holly Hill

Biological Monitor:	H. Hill	Date:	01/18/12
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Incidental Species: Daily notation of species other than WBO, DT, AB, KF or MGS

Incidental Species Observed		
Species	Activity (of species)	Location
Loggerhead shrike	foraging	NW ↓
CA. HORNEED LARK	" "	
PRAIRIE FALCON	hunting	
UTA (SIDE BLOTCHED)	flushed	
Krat	"	
P. MOUSE	"	
RAVEN	foraging	
Kit sp. PN		

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
			/	
			NA	
			/	

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

- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other _____
 - 5. Other _____
 - 6. Other _____
 - 7. Other _____

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

Signature: _____

Holly Hill

Mojave Solar Project

Biological Monitor:	<i>H. Hill</i>	Date:	<i>01/18/12</i>		
Starting Location and Activity:		Site Code:	<i>MSP</i>		
Weather:	<i>see pg ①</i>	Start : AM	Midday :	End : PM	
Rainfall?	Temp:				
Y N	% Cloud Cover:				

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)			
Species, Location, and ID:			
Condition	Compliance?	Comments	
A) Are exclusionary fencing and/or 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		NA
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: Bi-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>2</i>	<i>ALL DAY</i>	<i>AW</i>	<i>FORAGING</i>		

Signature: *Holly Hill*

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor: <i>David Moreno</i>	Date: <i>1/18/12</i>
Starting Location and Activity: <i>Bole East</i>	Site Code: <i>Mojave Solar</i>
Weather: <i>Clear cold, no wind</i>	Start: <i>7:00 AM</i> Midday: <i>12:00</i> End: <i>5:00 PM</i>
Rainfall? <i>Y (N)</i>	Temp: <i>28</i> <i>54</i> <i>53</i>
% Cloud Cover:	<i>5</i> <i>10</i> <i>40 - cirrus</i>

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>none observed</i>
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>none reported</i>
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no silt fencing</i>
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

David Moreno

Biological Monitor: David MWD Date: 1/18/12

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

Incidental Species Observed		
Species	Activity (of species)	Location
Western Goshawk	Chasing	beta east
Common Raven	"	"
Small mammal	burrows	"
Sparrows	chasing	"
Falcon	pellets	"

Notes/Comments Section

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

Time	ACT ¹	LOC ²	Notes/Comments	CL ³
700	5	4	Attend safety mtg. I will continue to support but underground cut/fill activities w/ scrapers in beta east. Shut off camera & pulled card in beta east. Checked on location where I relocated 2 young vultures. Did not see them in area. Ensuring camera station is not impacted by equip. working in area. Water trucks & operators are aware of location. Other workers informed in morning mtg.	1
1245	5	4	Spot check work by NCM. They are excavating asbestos piping in beta east with backhoe. Inspected trench but no entrapped wildlife was observed.	
1600	5	4	Placed card back in camera & re-armed. Informed Regg W.	

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

- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other beta east
 - 5. Other _____
 - 6. Other _____
 - 7. Other _____

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

Signature: David MWD

Mojave Solar Project
1700 work completed for day. Reported site.

Biological Monitor:	Ray Romero		Date:	4/12/12	
Starting Location and Activity:	Bota East		Site Code:	MSP	
Weather:	clear, cold, no wind	Start	7:00 AM	Midday	12:00
Rainfall?	Temp:	28	54	53	End 5:00 PM
Y (N)	% Cloud Cover:	5 - cirrus	10 - cirrus	40 - cirrus	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	No ESA fence
B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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	7:20	Bota East	ground	N/A	N/A
1	8:46	"	flying	"	"
3	10:21	"	"	"	"
1	11:43	"	"	"	"
2	12:39	"	ground	"	"
2	1:56	"	flying	"	"
7	2:29	"	ground	"	"
3	3:27	"	flying	"	"
5	3:58	"	"	"	"

Signature: 

Fence Inspection

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Peggy Wood	Date:	1-18-12	
Starting Location and Activity:	Beta East	Site Code:	Mojave Solar	
Weather:		Start	Midday	End
		05:40 AM	12:00	17:40 PM
Rainfall?	Temp:	18 F	49 F	62 F
Y (N)	% Cloud Cover:	0%	0%	15%

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2.3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Alpha West fence inspection
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Released pocket mouse, sb lizard for Holly
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	RF, S-boundary Alpha West

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

Signature: _____

Peggy Wood

Biological Monitor: Peggy Wood	Date: 1-18-12
---------------------------------------	----------------------

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

Incidental Species Observed		
Species	Activity (of species)	Location
Kit fox	jumping fence line	S-boundary Alpha West

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0540			Travel and arrive to Safety meeting. Get BMs assigned. Return to trailers for WEAP training (Straight Line).	
0900			Construction meeting. After discuss project w/ Sukut folks then also fence planning w/ Teyma. Relay plans and schedule to Ron.	
1100			Go to Alpha West, walk w/ Holly. Release critters captured. Walk AW fence line. See KF bounce over fence inside → out S-boundary	
1450			Go to Beta West. Find NCM still trenching, not done. Check on cut/fill activity. Discuss w/ NCM plans to move to Alpha East when complete.	
1610			Return to trailer. Get more information from Teyma.	

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

Signature: _____ *Peggy Wood*

Biological Monitor:	Peggy Wood		Date:	1-18-12	
Starting Location and Activity:	Beta East		Site Code:	MSP	
Weather:		Start 05:40 AM	Midday 12:00	End 17:40 PM	
Rainfall?	Temp:	18 F	49 F	62 F	
Y ^(N)	% Cloud Cover:	0%	0%	15%	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	KF seen jumping fence inside → out S-boundary Alpha West.
C) Any sensitive species observed immediately outside fencing? Describe	<input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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	0715	Beta East	flying	—	—
2	1440	Alpha West	flying	—	—

Signature: _____

Peggy Wood

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Tsegaye Mengistu	Date:	1/19/12	
Starting Location and Activity:	Beta, cut/fill/pipe	Site Code:	Mojave Solar	
Weather:	cloudy Am, clear pm	Start	Midday	End
		7:00 AM	12:00	5:00 PM
Rainfall?	Temp:	22°F	59°F	66°F
Y (N)	% Cloud Cover:	75%	50%	35%

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

Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.

For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.

In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature:

Tsegaye Mengistu

Biological Monitor: <u>Tsegaye Mengistu</u>	Date: <u>1/19/12</u>
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Incidental Species: Daily notation of species other than WBO, DT, AB, KF or MGS

Incidental Species Observed		
Species	Activity (of species)	Location

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
7:00		4	pre construction meeting by Sukut at stepping beta. Safety/health and work scope of the day discussed	1
7:45	8	4	monitored the cut/fill activities at beta, 8 scrapers, 1 D8 and 2 water trucks.	1
12:00			lunch time	
12:10	5	4	Asbestos pipe removal crew (NCM CO.), 1200' of pipe removed. 6 wildlife ramp 3:1 made for wildlife escape	1
3:30	8	4	monitored cut/fill activities at beta, 8 scrapers 1 D8, 2 water truck operated.	1
5:00			end of work day.	

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

Signature: Tsegaye Mengistu

Biological Monitor:	Tsegaye Mengistu		Date:	1/19/12	
Starting Location and Activity:	Beta cut/fill		Site Code:	MSP	
Weather:	Cloudy AM Partly Cloudy	Start	Midday	End	
		7:00 AM	12:00	5:00 PM	
Rainfall?	Temp:	22°F	59°F	66°F	
Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	% Cloud Cover:	75%	50%	35%	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" 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 checked="" type="checkbox"/> N/A	
F) Is all stockpiling kept away from buffer, posing no threat for siltation/debris entering into buffer? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
11	8:30-5:00	Beta	flying		

Signature: _____

Tsegaye Mengistu

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	<i>Holly Hill</i>		Date:	<i>01/19/12th</i>	
Starting Location and Activity:	<i>ALPHA WEST</i>	<i>VEG CLEARANCE</i>	Site Code:	<i>Mojave Solar</i>	
Weather:	<i>clear</i>	Start <i>07:00AM</i>	Midday <i>12:00</i>	End <i>4:30 PM</i>	
Rainfall?	Temp:	<i>40</i>	<i>58-65</i>	<i>55</i>	
Y N	% Cloud Cover:	<i>5%</i>			

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist **Peggy Wood C: 435-881-6444** and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) **Shelly Dayman C: (619) 820-0768**.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>1 LIVE PMOUSE RELOCATED OFFSITE</i>
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

Holly Hill

Biological Monitor:	H. Hill	Date:	01/19/12		
Starting Location and Activity:		Site Code:	MSP		
Weather:	see pg ①	Start : AM	Midday :	End : PM	
Rainfall?	Temp:				
Y N	% Cloud Cover:				

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or 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	NA
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: Bi-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	all day	ALPHA WEST	FORAGING		

Signature: _____

Holly Hill

Fence Inspection

Daily Biological Monitoring Log
Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Peggy Wood		Date:	1-19-12	
Starting Location and Activity:	Beta East		Site Code:	Mojave Solar	
Weather:		Start 05:40 AM	Midday 11:30	End 17:10 PM	
Rainfall?	Temp:	19 F	55 F	63 F	
Y (N)	% Cloud Cover:	5%	55%	70%	

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

Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.

For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.

In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Beta Fence inspection
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<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:

Peggy Wood

Biological Monitor:	Peggy Wood		Date:	1-19-12	
Starting Location and Activity:	Beta East		Site Code:	MSP	
Weather:		Start 05:40 AM	Midday 11:30	End 17:10 PM	
Rainfall?	Temp:	19 F	55 F	63 F	
Y <u>(N)</u>	% Cloud Cover:	5%	55%	70%	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" 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 checked="" 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 checked="" type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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	0730	Beta East	flying	—	—
3	0920	Beta East	flying	—	—
2	1410	Beta East	flying	—	—

Signature: _____

Peggy Wood

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Thursday

Biological Monitor:	<i>Ron Walker</i>	Date:	<i>January 19, 2012</i>	
Starting Location and Activity:	<i>Beta East Past: Full</i>	Site Code:	<i>Abengoa</i>	
Weather:	<i>Clear/Cold</i>	Start	Midday	End
		<i>7:00 AM</i>	<i>12:00</i>	<i>5:00 PM</i>
Rainfall?	Temp:	<i>28°</i>	<i>77°</i>	<i>73°</i>
<i>Y</i> <input checked="" type="checkbox"/> <i>N</i> <input type="checkbox"/>	% 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 Peggy Wood C: (714) 264-6174 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2.3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<i>NO BUFFERS</i>
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>Badger detected in Beta East</i>

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

Signature: _____

Ron Walker

*Badger detected in Beta East
by Cameron*

Biological Monitor:	<i>Ron Walker</i>	Date:	<i>Thursday January 19, 2012</i>	
Starting Location and Activity:	<i>Beta Tent / Cut; Fill</i>	Site Code:	<i>Blythe</i>	
Weather:		Start	Midday	End
		<i>7:00AM</i>	<i>12:00</i>	<i>5:00 PM</i>
Rainfall?	Temp:	<i>28°</i>	<i>77°</i>	<i>73°</i>
<i>Y</i> <i>N</i>	% Cloud Cover:	<i>0%</i>	<i>0%</i>	<i>0%</i>

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO occupied burrow, Panned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>NO ESA BUFFERS</i>
B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input checked="" 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 checked="" 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>2</i>	<i>0730</i>	<i>Beta</i>	<i>flying</i>	<i>0</i>	<i>0</i>
<i>1</i>	<i>0810</i>	<i>Beta</i>	<i>ground flying</i>	<i>0</i>	<i>0</i>
<i>3</i>	<i>0946</i>	<i>Beta</i>	<i>ground flying</i>	<i>0</i>	<i>0</i>

Signature: _____

Ron Walker

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	KEDZIORA	Date:	1/19/12	
Starting Location and Activity:	BETA EAST	Site Code:	Mojave Solar	
Weather:	RM WIND 10-15 MPH	Start	Midday	End
		07:00 AM	12:00	12:00 PM
Rainfall?	Temp:	25 F	55 F	50
Y (N)	% Cloud Cover:	50%	70%	90%

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

Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
For health and safety issues, please contact the Field Safety Director (ABCOM) Shelly Dayman C: (619) 820-0768.
In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	0940 check culvert NORTH OF BRUSH CLEAR BETA EAST
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	NONE IN WORK AREA
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

Biological Monitor:	KEDZIORA	Date:	1/19/12
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Incidental Species: Daily notation of species other than WBO, DT, AB, KF or MGS

Incidental Species Observed		
Species	Activity (of species)	Location
SANS PIPER	FORAGE	BETA EAST
LOSH	PERCHED	
WCSP	FORAGE	
HOLA	FORAGE	
W MEADOWLARKS	FORAGE	
AMKE	FLYING	
HARRIER	FLYING	
W. BLUEBIRDS	FORAGE	
SAGS	FORAGE	
HOFI	FORAGE	
BEWREN	FORAGE	

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0700	8	4	TAILBOARD	
0710	3	4	WATCH BRUSH CLEARING BY DOZER	1
0830	5	4	WATCH CUT/FILL TRENCHES	1
0835	8	4	FIND POTENTIAL BADGER BURROW NORTH OF CAMERA SET / FLAG OFF - LOCATED INSIDE DT FENCE BUT OUTSIDE CLEARING LIMIT	1
0915	8	4	SEARCH OUTSIDE DT FENCE EAST FOR BADGER SIGN	1
0945	3	4	CHECK BRUSH PILES	
1040	8	4	SET UP CAMERA ON POTENTIAL BURROW	1
1040	4	4	MONITOR DOZER ON FLOOD SLOPES	1
1245	3	4	CHECK BRUSH PILES	
1500	8	4	HIGH WINDS 10-15 MPH WEST-EAST	1
1700	5	4	end of day	

- Activity (ACT)¹**
- DT Fencing
 - Access/egress
 - Clear/grub
 - Grading
 - Excavation
 - UXO Activities
 - SWPPP
 - Other (specify)

- Location (LOC)²**
- DT Fence
 - Access Road
 - Drainage
 - Other BETA EAST
 - Other _____
 - Other _____
 - Other _____

- Compliance Levels (CL)³**
- Acceptable
 - Notification
 - Non-compliance
 - Non-compliance Resolution

Signature: _____

Mojave Solar Project

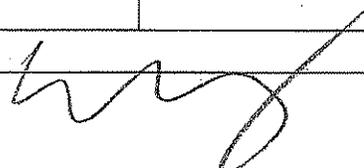
Biological Monitor:	KEDZIORA	Date:	1/19/12	
Starting Location and Activity:	BETA EAST	Site Code:	MSP	
Weather:	PM WIND 10-15 MPH	Start	Midday	End
		07:00 AM	12:00	17:00 PM
Rainfall?	Temp:	25 F	55 F	50
Y (N)	% Cloud Cover:	50%	70%	90%

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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	0730	BETA EAST	AIR		
5	0800	"	"		
4	0940	"	"		
3	1040	"	"		
2	1200	"	"		
11	1240	"	"		
2	1430	"	"		
3	1600	"	"		

Signature: _____



Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Holly Hill	Date:	6/20/12	
Starting Location and Activity:	ALPHA WEST - ASBESTOS PIPE REMOVAL; DT FENCE MONIT.	Site Code:	Mojave Solar	
Weather:	WINDY CLEAR	Start	Midday *	End ?
		07:00 AM	12:00	4:00 PM
Rainfall? <i>POSSIBLE</i>	Temp:	40° ?		
Y N	% Cloud Cover:			

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE *CREW LIMITED @
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768. 10:05-10:45
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	@ ASBESTOS PIPE REMOVAL IN NW ALPHA WEST
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	(NONE)
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

Holly Hill

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Peggy Wood	Date:	1-20-12	
Starting Location and Activity:	Beta East	Site Code:	Mojave Solar	
Weather:		Start	Midday	End
		05 : 46 AM	11 : 30	17 : 10 PM
Rainfall?	Temp:	55 F	84 F	67 F
Y (N)	% Cloud Cover:	25%	60%	75%

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

Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.

For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.

In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<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: _____

Peggy Wood

Biological Monitor: Peggy Wood	Date: 1-20-12
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Incidental Species: Daily notation of species other than WBO, DT, AB, KF or MGS

Incidental Species Observed		
Species	Activity (of species)	Location

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0540			Travel + arrive to safety meeting. Line up BMs. Go to cameras, p/u camera cards. Call from Javier, go to NW Alpha West where NCM removing AC pipe. Have Holly stay to monitor while fortoise fence is compromised. Remind Javier to give me notice ahead of such activity.	
0900			Construction meeting. Remind about re-locating port-a-johns. Discuss w/ Jeff, Alberto areas of concern for nesting bird. Provide WEAP for 2 recycle guys. Go to Beta East to help Don move johns to center.	
1130			Begin evaluating nesting bird habitat for Alberto. Call Andrew: meadow larks, horned larks, ^{→ April} maybe sage sparrows. (Shrike thrashers started). Cover Beta West and Alpha East for vegetation priorities. Inquire when mower will be operational again. Fence inspection Alpha East	
1430			Go over w/ Jeff strategy of priority vege removal.	
1510			Go to NW Alpha West, help Holly make small repairs to fence along N-boundary.	
1600			Machines all shut down.	

2025-185

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

Signature: Peggy Wood

Biological Monitor:	Peggy Wood		Date:	1-20-12	
Starting Location and Activity:	Beta East		Site Code:	MSP	
Weather:		Start 05:40 AM	Midday 11:30	End 17:10 PM	
Rainfall?	Temp:	55 F	64 F	67 F	
Y (N)	% Cloud Cover:	25%	60%	75%	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" 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 checked="" 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 checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
11	0750	Beta East	flying	—	—

Signature: _____

Peggy Wood

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor: Tsegaye Mengistu	Date: 1/20/12		
Starting Location and Activity: Beta cut/fill	Site Code: Mojave Solar		
Weather: Partly cloudy	Start 7:00 AM	Midday 12:00	End 5:00 PM
Rainfall? Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Temp: 26°F	61°F	66°F
	% Cloud Cover: 65%	50%	25%

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE.
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

Tsegaye Mengistu

Biological Monitor: Tsegaye Mengistu Date: 1/20/12

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

Incidental Species Observed		
Species	Activity (of species)	Location

Notes/Comments Section

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

Time	ACT ¹	LOC ²	Notes/Comments	CL ³
7:00			pre construction meeting by subert at staging beta safety/health and work scope of the day discussed	1
7:45	8	4	monitored the cut/fill activities at beta. 8 scrapers, 1 D8, 2 water truck operating	1
12:00			Lunch Time	
12:45	8	4	cut/fill operation continued at beta. 8 scrapers 1 D8 2 water truck working	1
3:35	8	4	scrapers and D8 done for the day	
3:45	8	4	monitored 2 water truck, backhoes at beta. moving dirt and watering the fill area. (E INL M6V 29)	1
5:00		4	end of work day.	

- Activity (ACT)¹**
- DT Fencing
 - Access/egress
 - Clear/grub
 - Grading
 - Excavation
 - UXO Activities
 - SWPPP
 - Other (specify) cut/fill

- Location (LOC)²**
- DT Fence
 - Access Road
 - Drainage
 - Other Beta
 - Other _____
 - Other _____
 - Other _____

- Compliance Levels (CL)³**
- Acceptable
 - Notification
 - Non-compliance
 - Non-compliance Resolution

Signature: Tsegaye Mengistu

Biological Monitor:	Tsegaye Mengistu		Date:	1/20/12	
Starting Location and Activity:	Beta cut/fill		Site Code:	MSP	
Weather:	cloudy	Start 7:00 AM	Midday 12:00	End 5:00 PM	
Rainfall?	Temp:	26°F	67°F	66°F	
Y (N)	% Cloud Cover:	65%	50%	75%	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" 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 checked="" type="checkbox"/> N/A	
F) Is all stockpiling kept away from buffer, posing no threat for siltation/debris entering into buffer? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
9	8:00-5:00	Beta	flying		

Signature:

Tsegaye Mengistu

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Friday

Biological Monitor:	<i>Ron Walker</i>	Date:	<i>January 20, 2012</i>	
Starting Location and Activity:	<i>Return East/Cut: Field</i>	Site Code:	<i>Abengoa</i>	
Weather:		Start	Midday	End
		<i>7:00 AM</i>	<i>12:00</i>	<i>5:00 PM</i>
Rainfall? <i>Y (N)</i>	Temp:	<i>38°</i>	<i>80°</i>	<i>72°</i>
	% Cloud Cover:	<i>60%</i>	<i>65%</i>	<i>90%</i>

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: (714) 264-6174 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>NO BLOWER PICTURES</i>

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

Signature: _____

Ron Walker

Biological Monitor:	<i>Ron Walker</i>	Date:	<i>1/20/2012 Friday</i>		
Starting Location and Activity:	<i>Beta East / East Hill</i>	Site Code:	<i>Blythe</i>		
Weather:		Start	Midday	End	
		<i>7:00 AM</i>	<i>12:00</i>	<i>5:00 PM</i>	
Rainfall?	Temp:	<i>38</i>	<i>80°</i>	<i>72°</i>	
<i>Y (N)</i>	% Cloud Cover:	<i>60%</i>	<i>65%</i>	<i>90%</i>	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO occupied burrow, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>NO ESA BUFFER</i>
B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>AREAS ON SITE</i>
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input checked="" 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 checked="" 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>3</i>	<i>1425</i>	<i>Beta East</i>	<i>flying</i>	<i>0</i>	<i>0</i>

Signature: _____

Ron Walker

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

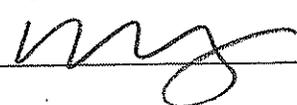
Biological Monitor:	KEDZIORA	Date:	1/20/12	
Starting Location and Activity:	BETA EAST	Site Code:	Mojave Solar	
Weather:	WARM	Start	Midday	End
		07:00 AM	:	12:15 PM
Rainfall?	Temp:	50 F	—	62 F
Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	% Cloud Cover:	25%	—	25%

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	0715 - vertical culvert NORTH OF BRUSHING, BETA EAST / 1010 ASBESTOS RANCH
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	check water tower 1030
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____



Biological Monitor:	KEDZIORA		Date:	1/20/12	
Starting Location and Activity:	BETA EAST		Site Code:	MSP	
Weather:	WARM/WINDY	Start 07:00 AM	Midday 1:	End 12:15 PM	
Rainfall?	Temp:	50 F	—	62 F	
Y <input checked="" type="radio"/>	% Cloud Cover:	25%	—	25%	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
24	0702	BETA EAST	GROUND		
4	0930	"	AIR		
2	1010	"	"		
10	1050	"	"		

Signature: _____



Biological Monitor:	KEDZIORA	Date:	1/20/12
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Incidental Species: Daily notation of species other than WBO, DT, AB, KF or MGS

Incidental Species Observed		
Species	Activity (of species)	Location
HOLA	FORAGING	BETA EAST
WEME	FORAGING	
W Blue BIRD	FORAGING	
SAGS	FORAGING	
SAY'S PHOEBE	FORAGING	
JACK RABBIT	RUNNING	

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0700	8	4	TAIL BOARD	✓
0715	3	4	WATCH DOZER PUSH BRUSH PILES	1
0705	8	4	TURN OFF WL CAMERAS SET ON POTENTIAL BADGER BURROWS - NO ACTIVITY (TRACKS OR MOVEMENT OF VEG IN HOLES) / CHECK CULVERT	1
0930	8	4	DOZER MOVES TO CUT/FILL CHANNEL	1
0940	1	4	CHECK EASTERN CHANNEL DT BORDER FENCE	1
1010	8	4	CHECK SOUTHERN BRUSH PILES, N-S ASBESTOS PIPE NEARBY	1
1040	8	4	CHECK WATER TOWER FOR STANDING WATER	1
1050	5	4	RETURN TO CUT/FILL CHANNEL	1
1200	8	4	END OF DAY FOR ME	✓

- Activity (ACT)¹**
- DT Fencing
 - Access/egress
 - Clear/grub
 - Grading
 - Excavation
 - UXO Activities
 - SWPPP
 - Other (specify)

- Location (LOC)²**
- DT Fence
 - Access Road
 - Drainage
 - Other BETA EAST
 - Other
 - Other
 - Other

- Compliance Levels (CL)³**
- Acceptable
 - Notification
 - Non-compliance
 - Non-compliance Resolution

Signature: _____



Mojave Solar Project

Daily Biological Monitoring Log

Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

FENCE
INSP.

Biological Monitor:	Holly Hill	Date:	01	23	12
Starting Location and Activity:	① BETA EAST - CUT & FILL ② WAA - FENCELINE INSP 4E/BETA	Site Code:	Mojave Solar		
Weather:	RAIN ON/OFF	Start	07:00 AM		Midday
					12:00
Rainfall?	Temp:	40°			End
(Y) N	% Cloud Cover:	100%		100%	: PM

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

Contact Designated Biologist **Peggy Wood C: 435-881-6444** and Mojave Solar POC or foreman on arrival.
For health and safety issues, please contact the Field Safety Director (AECOM) **Shelly Dayman C: (619)-820-0768**.
In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2.3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Insp. of fence following storm (SAT 1/21) REVEALED BREACHES IN FENCE DUE TO SAND DUNE/DRIFT & WEEDS.
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input 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: _____

Holly Hill

Biological Monitor:	H. Hill	Date:	01/23/12		
Starting Location and Activity:	see page	Site Code:	MSP		
Weather:	(1)	Start : AM	Midday :	End : PM	
Rainfall?	Temp:				
Y N	% Cloud Cover:				

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	FENCE BREACHED - MAPPED FOR REPAIRS
B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
			N/A		

Signature: _____

Holly Hill

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	JULIE ROTH	Date:	1/23/2012	
Starting Location and Activity:	BETA EAST - CWT	Site Code:	Mojave Solar	
Weather:		Start	Midday	End
		7:00 AM	12:30	5:00 PM
Rainfall? <i>light</i>	Temp: <i>44°</i>	44°F	~55°F	~46°
<input checked="" type="radio"/> N	% Cloud Cover:	95%	80%	75%

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Continually in mass grading cut of BETA EAST 0900-13
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	No wildlife injuries or road kill
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	No special-status species observed

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

Signature: _____

Julie Roth

Biological Monitor:	JULIE POTH		Date:	1/23/2012	
Starting Location and Activity:	BETA EAST - MASSGRAZING		Site Code:	MSP	
Weather:		Start 7 :00 AM	Midday :	End 5 :00 PM	
Rainfall?	Temp:	*SEE PAGE 1		"DAILY BIOLOGICAL MONITORING LOG"	
<input checked="" type="radio"/> N	% Cloud Cover:				

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned, DT)			
Species, Location, and ID:	Condition	Compliance?	Comments
	A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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 checked="" type="checkbox"/> N/A	
	C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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 checked="" type="checkbox"/> N/A	
	E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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 checked="" type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
N/A I was not involved in focused monitoring of potential subsidies. But see incidental observations on page 2 of datasheets for today.					

Signature: _____

Julie Poth

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor: <i>Jay Romero</i>	Date: <i>1/23/12</i>
Starting Location and Activity: <i>Field East</i>	Site Code: <i>Mojave Solar</i>
Weather: <i>cloudy, cold, no wind, park</i>	Start <i>7:00 AM</i> Midday <i>12:00</i> End <i>5:15 PM</i>
Rainfall? <i>(Y) N</i>	Temp: <i>43</i> <i>51</i> <i>49</i>
	% Cloud Cover: <i>100</i> <i>100</i> <i>80</i>

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife Injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>gopher snake</i>
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>no spills reported</i>
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: *Jay Romero*

Biological Monitor: Raymond Date: 1/23/12

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

Incidental Species Observed		
Species	Activity (of species)	Location
Common Ravens	ground	beta east
Northwest Crow	u	u
gopher snake	dead	u
western woodrat	flying	u
snakes	u	u
cooper's snake	u	u

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
700	5	4	Ated safety net. I will support cut/fill activities in beta east. Morning rain holding keep dust to minimum. Turned off 2 wildlife cameras located along E side of beta east. Noted ~ 26 ravens on ground that has been cleared of vegetation in beta east.	1
910	5	4	Dead gopher snake (subadult) found by Arch. Brought to my attention & was buried at site.	
1005	5	4	Work w/ tally & Julie on work activities.	
1630	5	4	Reset cameras for the night.	
1715	5	4	Work completed for day. Depart site.	

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

- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other beta east
 - 5. Other _____
 - 6. Other _____
 - 7. Other _____

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

Signature: Raymond

Biological Monitor:	John D. [Signature]		Date:	1/23/12	
Starting Location and Activity:	[Signature] East		Site Code:	MSP	
Weather:	Cold, cloudy, no wind, rain		Start	Midday	End
			7:00 AM	12:00	5:15 PM
Rainfall?	Temp:	43		51	49
[Signature]	% Cloud Cover:	100		100	80

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	No ESA fencing
B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" 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 checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
26	7:20	East	ground	N/A	N/A
2	9:42	"	flying	"	"
22	11:27	"	ground	"	"
11	2:17	"	"	"	"
6	3:37	"	flying	"	"

Signature: [Signature]

Fence Inspection
AW

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Peggy Wood	Date:	1-23-12	
Starting Location and Activity:	Beta East	Site Code:	Mojave Solar	
Weather:		Start	Midday	End
		05 : 40AM	12 : 00	17 : 30 PM
Rainfall?	Temp:	46	51 F	53 F
(Y) N	% Cloud Cover:	98%	100%	80%

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife Injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<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: Peggy Wood

Biological Monitor: Peggy Wood	Date: 1-23-12
---------------------------------------	----------------------

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

Incidental Species Observed		
Species	Activity (of species)	Location
loggerhead shrike	sitting on debris pile	Alpha West, north

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0540			Travel and arrive to Safety meeting. Line up BMs. Only cut/fill in Beta. Send Holly to NCM in Alpha West. They finish by 0900.	
0900			Remind Isaac to let me know when work like Friday in AW N-fence is done ahead of time. Notify Teyma need for fence maintenance following rains + wind event over wknd. Go out to photo-document lockhart Rd vegetation. Send 2 nd inquiry to Ray B w/ photos, requesting variance request. Discuss w/ Curtis, Isaac status of request.	
1130			Begin Alpha West fence inspection. Along N-boundary find 2 pieces AC pipe on surface and 150' trench w/ exposed AC pipe completely unmarked. Notify Isaac and John R.; show John R. location of pieces. Continue around then return to fence gate along lockhart where Hector + laborers cleaning dirt off HL Rd prior to uncovering AW gate fence line from sand dune accumulated over wknd by wind. Correspond w/ Ray B, receive authorization to do vege clearing along Lockhart. Pass email along to Matt et al. Notify Sukut + Teyma. Schedule vege clearing for Wed; clearance survey for Tuesday.	

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

- Location (LOC)²**
1. DT Fence
 2. Access Road
 3. Drainage
 4. Other _____
 5. Other _____
 6. Other _____
 7. Other _____

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

Signature: Peggy Wood

Biological Monitor:	Peggy Wood		Date:	1-23-12	
Starting Location and Activity:	Beta East		Site Code:	MSP	
Weather:		Start 05:40 AM	Midday 12:00	End 17:30 PM	
Rainfall?	Temp:	47 F	51 F	53 F	
(Y) N	% Cloud Cover:	98%	100%	80%	

Non-Disturbance Buffer Monitoring Section: (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" 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 checked="" type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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	0920	Alpha East	Flying	—	—
3	1250	Alpha West	Flying	—	—

Signature: _____

Peggy Wood

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	<i>Holly Hill</i>	Date:	<i>01/24/12</i>	
Starting Location and Activity:		Site Code:	Mojave Solar	
Weather:	<i>Mostly clear</i>	Start	Midday	End
		<i>07:00 AM</i>	<i>12:00</i>	<i>5:00 PM</i>
Rainfall? <i>(N)</i>	Temp:	<i>40</i>	<i>60</i>	<i>55</i>
	% Cloud Cover:	<i>2</i>	<i>25</i>	<i>25</i>

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist **Peggy Wood C: 435-881-6444** and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) **Shelly Dayman C: (619) 820-0768**.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2.3)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>ABS. SPEEDING ON HLR & LOCKHART</i>
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>REPAIRS IN PROGRESS</i>
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife Injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>2 KRATS (LIVE) RELOCATED OFFSITE</i>
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>?</i>
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

Holly Hill

Biological Monitor:	H. Hill		Date:	01/24/12	
Starting Location and Activity:			Site Code:	MSP	
Weather:	see pg ①		Start : AM	Midday :	End : PM
Rainfall?	Temp:				
Y N	% Cloud Cover:				

Non-Disturbance Buffer Monitoring Section (Nesting birds: WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or 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	/ NA
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: Bi-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?
1-5	all day	AW	foraging		

Signature: _____

Holly Hill

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Peggy Wood	Date:	1-24-12	
Starting Location and Activity:		Site Code:	Mojave Solar	
Weather:		Start	Midday	End
		05:40 AM	12:00	05:35 PM
Rainfall?	Temp:	27 F	58 F	61 F
Y (N)	% Cloud Cover:	55%	85%	90%

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Clear sand from AW gate and along Parceline where dune built up.
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/boreds) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<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: _____ *Peggy Wood*

Biological Monitor:	Peggy Wood	Date:	1-24-12
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Incidental Species: Daily notation of species other than WBO, DT, AB, KF or MGS

Incidental Species Observed		
Species	Activity (of species)	Location

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
654b			Travel + arrive to Safety meeting. Get BMs lined up. Provide WEAP for 2 new workers. Make copies. Discuss fence clearing of sand dunes w/ Isaac. Important soon!	
0900			Construction meeting. gate clearance, fence line repair, clearing. Go check on backhoe cleaning sand off HL Rd. Get their work plan for clearing sand from fence line @ AW gate. Then go on to begin tortoise clearance survey along Lockhart in between fence lines. Continue w/ 1 mile length of DT survey even after discussing w/ Curtiss possibility of not starting Wed.	
1020				
1520			Complete survey. Backhoe to begin clearing sand from AW gate and fence. I go monitor this activity outside the fence. Until end of day.	

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

- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other _____
 - 5. Other _____
 - 6. Other _____
 - 7. Other _____

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

Signature: Peggy Wood

Biological Monitor:	Peggy Wood		Date:	1-24-12	
Starting Location and Activity:	Beta East		Site Code:	MSP	
Weather:		Start 05:40 AM	Midday 12:00	End 05:35 PM	
Rainfall?	Temp:	27 F	58 F	61 F	
Y <input checked="" type="radio"/> N <input type="radio"/>	% Cloud Cover:	55%	85%	90%	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)

Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Clearing sand from tortoise fence where dune built up in wind.
B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
8	1050	Alpha East	flying	—	—

Signature: _____ Peggy Wood

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor: <i>[Signature]</i>	Date: 11/24/12
Starting Location and Activity: <i>[Signature]</i>	Site Code: Mojave Solar
Weather: <i>Clear Sky, no wind</i>	Start: 7:00 AM Midday: 12:00 End: 5:00 PM
Rainfall?	Temp: 33 40 55 52
Y (N)	% Cloud Cover: 60 85 95

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2.3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife Injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>none observed</i>
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>none reported</i>
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: *[Signature]*

Biological Monitor: [Signature] Date: 1/24/12

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

Incidental Species Observed		
Species	Activity (of species)	Location
Common Raven	Flying	beta east
Thorned Larks	"	"
Sparrows	"	"
Sh. mammal	burrows	"
Kit fox	Tracks	"
Longhorn skink	Tracks	"
Skull deer	Tracks	"

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
700	5	4	Attend safety mtg. Sign attendance sheet. Cold at 700 W. I will continue to support cut/fill in beta east.	1
725	5	4	Turned 2 wild life cameras off while equip operating in area. Plan to turn back on at end of day. No new digging activity was observed. Looking over area while fill is being dropped.	
915	5	4	Monitoring D8 cutting drainage channel along E side of beta east. Unearthed wildlife was not observed.	
1305	5	4	Monitoring scrapers removing soil within drainage channel.	
1700	5	4	work completed for day. Depart site.	

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

- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other beta east
 - 5. Other _____
 - 6. Other _____
 - 7. Other _____

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

Signature: [Signature]

Biological Monitor:	<i>gray jays</i>	Date:	1/24/12	
Starting Location and Activity:	<i>Weg East</i>	Site Code:	MSP	
Weather:	<i>Col. foggy, no wind</i>	Start	Midday	End
		7:00 AM	12:00	5:00 PM
Rainfall?	Temp:	33	55	52
Y (N)	% Cloud Cover:	60	85	95

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)			
Species, Location, and ID:	Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>NO ESA fencing</i>
B) Are sensitive species still present inside the fencing? Describe their status and behavior.		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe		<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.		<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
3	820	<i>bet west</i>	<i>flying</i>	N/A	N/A
2	841	"	"	"	"
7	927	"	"	"	"
2	1021	"	"	"	"
18	1215	"	<i>ground</i>	"	"
3	1309	"	<i>flying</i>	"	"
2	1450	"	"	"	"
2	1610	"	"	"	"

Signature: *[Handwritten Signature]*

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor: JULIE ROTH	Date: 1/24/2012								
Starting Location and Activity: BETA EAST - CUT BETA EAST & DRAINAGE CUT	Site Code: Mojave Solar								
Weather:	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Start</td> <td style="width: 25%;">Midday</td> <td style="width: 25%;">End</td> </tr> <tr> <td>7:00 AM</td> <td>12:00</td> <td>5:00 PM</td> </tr> </table>	Start	Midday	End	7:00 AM	12:00	5:00 PM		
Start	Midday	End							
7:00 AM	12:00	5:00 PM							
Rainfall?	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Temp:</td> <td style="width: 25%;">23°F</td> <td style="width: 25%;">~56°F</td> <td style="width: 25%;">45°F</td> </tr> <tr> <td>% Cloud Cover:</td> <td colspan="3">AVE ~ 30%</td> </tr> </table>	Temp:	23°F	~56°F	45°F	% Cloud Cover:	AVE ~ 30%		
Temp:	23°F	~56°F	45°F						
% Cloud Cover:	AVE ~ 30%								
Y (N)									

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (ABCOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2.3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Continually IN BETA EAST CUT (SOUTH EAST) ALL DAY
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	NO wildlife injuries or road kill
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	NO special status species observed

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

Signature: _____

Julie Roth

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	JULIE ROTH	Date:	1/25/2012	
Starting Location and Activity:	BETA EAST - CAT & [ALPHA EAST - DT FENCE]	Site Code:	Mojave Solar	
Weather:	CALM / COMFORTABLE	Start	Midday	End
		7:00 AM	12:00	5:00 PM
Rainfall?	HIGH ~ 65°F	26°F	~ 60°F	~ 50°F
Y (N)	% Cloud Cover:			30%

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas? (BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2.3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction? (BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat? (BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day] (BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day? (see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing? (BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Continually in BETA EAST CAT (SOUTH EAST) DTIS-16
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	No wildlife injuries or road kill
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions) (BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	NO special status species observed

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

Signature: _____

Julie Roth

Biological Monitor:	JULIE ROTH	Date:	1/25/2012
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Incidental Species: Daily notation of species other than WBO, DT, AB, KF or MGS

Incidental Species Observed		
Species	Activity (of species)	Location
HORNED LARKS	FEEDING/ FLOCKING	BETA EAST SOUTHEAST
RAVEN	A FEW SOARING	BETA EAST SOUTHEAST - primarily near
POCKET MILL	FLEEING CUT OR DEAD (SEE WILDLIFE OBSERVATION FORM)	BETA EAST CUT
K-RATS		
SIDE-BLOTCHED LIZARD		

power lines south of project 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 ¹	LOC ²	Notes/Comments	CL ³
0715	4	4	observed cut of mass grading operation	1
1600	8	1	observed backhoe clearing sand from DT fence in Alpha EAST (Northeast) this was being done to get DT fence into compliance so that 24" of fence visible above ground. Portions of fence were cleared and brought into compliance, but sections still exist that are not.	1/3

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

- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other
 - 5. Other
 - 6. Other
 - 7. Other
- BETA EAST (SOUTH EAST)
MASS CUT AREA

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

Signature: Julie Roth

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor: Holly Hill	Date: 01/25/12
Starting Location and Activity: BETA WEST	Site Code: Mojave Solar
Weather: CLEAR	Start 07:00AM Midday 12:00 End 5:00PM
Rainfall? <input checked="" type="checkbox"/> N	Temp: 45 65 60
	% Cloud Cover: 2-5

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		Comments
Condition	Compliance?	
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	① KING-SNAKE, ① KRAT MORTALITY ① COTTONTAIL MORTALITY
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	SEE NOTES
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

Holly Hill

MORT
① KRAT
① COTTONTAIL

① King snake mortality wounded

LIVE
1 GS
11 KS

1 SR
HLR
ROADKILL

Biological Monitor:	H. Hall	Date:	01/25/12		
Starting Location and Activity:	see pg 1	Site Code:	MSP		
Weather:		Start : AM	Midday :	End : PM	
Rainfall?	Temp:				
Y N	% Cloud Cover:				

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)			
Species, Location, and ID:	Condition	Compliance?	Comments
	A) Are exclusionary fencing and/or 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	PLEASE SEE NOTES PREVIOUS PAGE
	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: Bi-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?
14-16	08:15	AW	MOBBING RTH		

Signature: _____

Holly Hall

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Joseph Auang	Date:	1/25/12	
Starting Location and Activity:	Beta West safety meeting	Site Code:	Mojave Solar	
Weather:	Mostly sunny	Start	Midday 12:00	End 5:00 PM
Rainfall? Y <input checked="" type="radio"/> N <input type="radio"/>	Temp:	7:00 AM	110 65	50
	% Cloud Cover:	30	W	5
			10	

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Still a lot of sand built up along fence. Contractor will maintain
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/boreds) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Transmission fluid leaking from scraper, mechanic had a spill kit.
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	None observed

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

Signature: _____

Joseph Auang

Biological Monitor: Joseph Huang Date: 1/25/12

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

Incidental Species Observed		
Species	Activity (of species)	Location
Pocket mouse	Got picked up by scraper	Beta East fill
Side blotched lizard	Moved out of scraper's way	Beta East cut
Kangaroo rat	Hit by scraper, dead	u
Mojave green rattlesnake	Scrapped up by scraper, dead	Beta East fill

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
7 AM	8	4	Attended safety meeting	.
7:30 AM		5	Received WEAP	
8:30 AM	5	6	Spoke to Ray Romero about activities at Beta E	
9:00	5	6	Monitoring scrapers excavate fill & haul it from S to N	1
9:10	4	6	Dozer was grading channel on E side of Beta East but then moved to the fill to grade fill adj & to the W of scraper activity	1
11:40		6	Soils technician John gave me a container w/ a inside. I relocated it outside of the DT fence on the E side of Beta E.	1
12 PM		6	Lunch	
1:30		6	Julie Roth of AECOM caught a side-blotched lizard. I relocated it S of Beta East outside of limits.	

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

- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other Beta west
 - 5. Other Trailers
 - 6. Other Beta East
 - 7. Other

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

Signature: Joseph Huang

Mojave Solar Project

Biological Monitor:	Joseph Huang		Date:	1/25/12	
Starting Location and Activity:	Beta West, safety meeting		Site Code:	MSP	
Weather:	Mostly sunny	Start	7:00 AM	Midday	12:00
				End	5:00 PM
Rainfall?	Temp:		70		65
	% Cloud Cover:		10		5
Y (N)					10

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)			
Species, Location, and ID:	Condition	Compliance?	Comments
	A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	No exclusion fencing in place; (N/A)
	B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	"
	C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	"
	E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	"

Raven Monitoring: Bi-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?
3	9:00 AM	NE Beta E	ground		
2	12:00 PM	Beta E NE	flying		
1	12:30 PM	"	ground		
4	2:00 PM	"	flying		

Signature: _____

Joseph Huang

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor: <i>Raymond</i>	Date: 1/25/12						
Starting Location and Activity: <i>beta east</i>	Site Code: Mojave Solar						
Weather: <i>cloud clear no wind</i>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Start</td> <td style="width: 25%;">Midday</td> <td style="width: 25%;">End</td> </tr> <tr> <td>7:00 AM</td> <td>12:00</td> <td>5:00 PM</td> </tr> </table>	Start	Midday	End	7:00 AM	12:00	5:00 PM
Start	Midday	End					
7:00 AM	12:00	5:00 PM					
Rainfall? Y (N)	Temp: 38 63 61						
	% Cloud Cover: 15 1 0						

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>injured kingsnake/gopher snake</i>
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>NO spills observed</i>
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: *Raymond*

Biological Monitor: <u>K. J. [Signature]</u>	Date: <u>4/25/12</u>
--	----------------------

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

Incidental Species Observed		
Species	Activity (of species)	Location
Common Raven	flapping	Beta East
Western Woodpecker	"	"
Western Meadowlark	"	Alpha East
California Quail	running	"
Coyote	scat	"
Common Kingsnake	unearthed	injured - relocated off site
Common Snail	"	"
Brush Lizard	"	relocated
Mountain Squirrel	running	Alpha East

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
700	5	4	Continue to support cut/fill in Beta East. Surveyors working W to E today.	1
740	5	4	Discovered wildlife cameras. No new digging activity.	
900	5	4	Site orientation for Joseph. Lino horn out to take over for me. I will monitor front end loader removing veg along Lockhart Rd.	
1000	3	5	Moved loader to Alpha East to support DS removing vegetation in Alpha East. Row of removed adjacent to irrigation channel. Stop piling vegetation. Relocated several snakes from irrigation ditch.	
1700	3	5	Work completed for day. Depart site.	

- Activity (ACT)¹**
- DT Fencing
 - Access/egress
 - Clear/grub
 - Grading
 - Excavation
 - UXO Activities
 - SWPPP
 - Other (specify)

- Location (LOC)²**
- DT Fence
 - Access Road
 - Drainage
 - Other Beta East
 - Other Alpha East
 - Other
 - Other

- Compliance Levels (CL)³**
- Acceptable
 - Notification
 - Non-compliance
 - Non-compliance Resolution

Signature: _____

[Signature]

Mojave Solar Project

Biological Monitor:	Mojave			Date:	1/25/12
Starting Location and Activity:	Beta East			Site Code:	MSP
Weather:	cloud, clear, no wind	Start 7:00 AM	Midday 12:00	End : PM	
Rainfall?	Temp:	38	63	61	
Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	% Cloud Cover:	15	1	0	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)

Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	No ESA Action
B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
3	7:31	Alpha East	ground	N/A	N/A
17	8:11	"	"	"	"
2	10:51	Alpha East	flying	"	"
1	14:21	"	"	"	"

Signature: _____

[Handwritten Signature]

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Peggy Wood	Date:	1-25-12	
Starting Location and Activity:	Beta East	Site Code:	Mojave Solar	
Weather:		Start	Midday	End
		05 : 40 AM	12 : 00	17 : 30 PM
Rainfall?	Temp:	27 F	63 F	62 F
	% Cloud Cover:	5%	2%	2%
Y <input checked="" type="checkbox"/> N <input type="checkbox"/>				

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas? (BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction? (BIO-8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat? (BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day] (BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day? (see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing? (BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions) (BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input 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: _____

Peggy Wood

Biological Monitor: Peggy Wood Date: 1-25-12

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

Incidental Species Observed		
Species	Activity (of species)	Location

Notes/Comments Section			
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.			
Time	ACT ¹	LOC ²	Notes/Comments
0540			Travel and arrive to safety meeting. Line up BMs: Provide training to Joseph Huang including BM training.
0900			Construction meeting - Lockhart Rd improvement? Trucks to be loaded: Moved to Mon-TUES. Fenceline improvement - sand removal. Go immediately out to Lockhart + Edie Rd. to discuss plan w/ Curtis + Holly. After going thru available monitors w/ Ross, conclude loader will work w/ dozer inside fence along N-Edie Rd (not enough cultural people to cover loader outside the fence). Go over + pull cameras + cards. Swing around and catch up w/ Julie Roth, provide more project background + progress.
1200			Phone call to Andrew regarding nesting bird habitat remaining on AW, BW, Edie Rd AE etc. Understand spp nesting later is potential in AW, but earlier around perimeter outside. Understand mower passing by not significant disturbance, OK after 1 Feb. Discuss w/ Teyma where habitat is priority for removal. Also to get fencelines cleared of sand. Share info w/ Nicholas.

FORM
Curtis
Sax
relieved?

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

Signature: Peggy Wood

Mojave Solar Project
 1330 initiate re-doing Lockhart Rd DT clearance survey in case clearing occurs Thurs.
 1550 Curtis confirms no Lockhart clearing Thurs but rather Friday. Also he sends backhoe to clear fence of sand AE (NE). I re-assign Julie R. to meet me there to monitor.

Biological Monitor:	Peggy Wood		Date:	1-25-12	
Starting Location and Activity:	Beta East		Site Code:	MSP	
Weather:		Start 05:40 AM	Midday 12:00	End 17:30 PM	
Rainfall?	Temp:	27 F	63 F	62 F	
Y <input checked="" type="radio"/> N <input type="radio"/>	% Cloud Cover:	51	21	21	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WEO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	sand being moved away from fence lines AE (NE)
B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
8	1310	Beta West	on ground	—	—
2	1320	Alpha East	flying	—	—

Signature: _____ Peggy Wood

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Joseph Huang	Date:	1/26/12	
Starting Location and Activity:	Beta East, safety meeting	Site Code:	Mojave Solar	
Weather:	Mostly sunny	Start	Midday	End
		7:00 AM	12:00 PM	5:00 PM
Rainfall?	Temp:	48 28	60	45
Y (N)	% Cloud Cover:	15	20	65

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	still has sand on it, contractor will maintain it later.
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	None observed

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

Signature: _____

Joseph Huang

Biological Monitor:	Joseph Huang		Date:	1/26/12	
Starting Location and Activity:	Beta East, safety meeting		Site Code:	MSP	
Weather:	Mostly sunny	Start 7:00 AM	Midday 12:00	End 5:00 PM	
Rainfall?	Temp:	28	60	45	
Y (N)	% Cloud Cover:	15	20	65	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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 checked="" type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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 checked="" type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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 checked="" type="checkbox"/> N/A	

Raven Monitoring: Bi-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	7:30	Beta East	ground	N/A	N/A
3	8:05		flying		
2	8:30		"		
2	9:00		"		
1	9:45		ground		
2	10:15		flying		
1	10:30		ground		
2	11:00		flying		
2	2:00 PM		"		

Signature: _____

Joseph Huang

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Peggy Wood	Date:	1-26-12	
Starting Location and Activity:	Beta East	Site Code:	Mojave Solar	
Weather:		Start	Midday	End
		05:40 AM	12:30	18:00 PM
Rainfall?	Temp:	34 F	71 F	63 F
Y (N)	% Cloud Cover:	2%	30%	40%

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

Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	NCM left AW w/ boundary breached until I required backfill by end of day. Still need to remove sand from eastern fence lines Beta + Clearance 2-4" in sand still against Beta + Alpha fence lines places with warm temps.
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Trench in N AW risk to wildlife until NCM backfilled the trench.
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Report need for silt fencing N Edie Rd following vegetation clearing. Risk of erosion is high if a rain event occurs.
S) Special status species observed? Describe	<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: _____

Peggy Wood

Biological Monitor: Peggy Wood	Date: 1-26-12
---------------------------------------	----------------------

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

Incidental Species Observed		
Species	Activity (of species)	Location

Notes/Comments Section

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

Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0540			Travel + arrive to safety meeting. Line out BMs. Provide brief WEAP to haul truck drivers removing org debris. Catch Nicholas up on needs of drainage channel being cleared of vega along Edie Rd, AE. WEAP training for new Sukut foreman Tim.	
0900			Construction meeting. SWPP needs raised. Fence clearing sand. Catch up on email then get out to re-survey Lockhart Rd	Sat?? CMS avail?? DT survey.
1015			Start H.L. DT Clearance to prepare for cleaning today + tomorrow.	
1430			Call from Gary about N-fence in AW. I complete survey then go check fenceline. Find 500' (approx) open trench with 50-100' of trench undermining the fenceline where it is suspended, a gap of the outside. I immediately notify Javier and Nicholas. Javier soon arrives, begins notifying NCM that this needs to be rectified. I require that backfill must restore integrity of fenceline before end of day. Call Julie Roth to come monitor until completion. Still need to remove sand from Beta East fence! Meanwhile notify Nicholas + Javier of AC pipe on outside of fence to the N on NextEra property, area pipe that had been moved off MSP property	

AF - sat/sola
Joseph - Sat??

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

Signature: Peggy Wood

Mojave Solar Project
 last spring during fence building. Located the pipe confirm w/ Steve Hermsmeyer it originated from MSP property. Notified BV of location and origin. Notify Ron water of fence incident and my intention to provide WEAP again to NCM, he supports this. Ask also to investigate acceptability of dumping organic chipped debris on local neighbor's property. Question arises due to noxious + invasive plant content in debris. Later, notify Teyma + ASI of intent to retain NCM.

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	JULIE ROTH	Date:	1/26/2012	
Starting Location and Activity:	BETA EAST CUT/FILL	Site Code:	Mojave Solar	
Weather:		Start	Midday	End
		7:00AM	12:00	5:30PM
Rainfall?	Temp:	26°F	~ 75°F	~ 5.8°F/WINDY
Y (N)	% Cloud Cover:		~ 75%	30%

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2.3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	DT Fence along east boundary of BETA EAST HAS SEVERAL AREAS WHERE
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Sand has built up along fence. (NE & SE)
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Continually in Beta East cut from 0715-0900; 1100-1200; 1400-1500 and in fill area from 0900-1100
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	NO SENSITIVE SPECIES INJURIES OR ROAD KILL
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	NO SPECIAL-STATUS SPECIES OBSERVED.

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

Signature: _____

Julie K Roth

Biological Monitor: JULIE ROTH	Date: 1/26/2012
---------------------------------------	------------------------

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

Incidental Species Observed		
Species	Activity (of species)	Location
Horned Larks	Foraging / Flocking	BETA EAST (SOUTHEAST)
Side blotched lizard	basking	BETA EAST (NORTHEAST)
RAVENS	Picking at fill? foraging?	A few in fill area in morning

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0715	4	4		1
0900	8	4	Observed mass filling operation in BETA EAST	1
1100	4	4		1
1230	8	1	Walked DT fence along east side of BETA EAST ₂	3
			Several areas (most of NE end and SE end) with sand built up - < 24" clearance.	
1400	4	4		1
1600	8	1	Observed trench back filling to ensure DT Fence integrity in Alpha west (Northwest)	1

- | | | | | |
|-----------------------------------|--------------------|---|----------------|---|
| Activity (ACT)¹ | | Location (LOC)² | | Compliance Levels (CL)³ |
| 1. DT Fencing | 5. Excavation | 1. DT Fence | 5. Other _____ | 1. Acceptable |
| 2. Access/egress | 6. UXO Activities | 2. Access Road | 6. Other _____ | 2. Notification |
| 3. Clear/grub | 7. SWPPP | 3. Drainage | 7. Other _____ | 3. Non-compliance |
| 4. Grading | 8. Other (specify) | 4. Other BETA EAST - EAST SIDE MASS GRADING | | 4. Non-compliance Resolution |

Signature: Julie Roth

Mojave Solar Project

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Holly Hill	Date:	01/26/12	
Starting Location and Activity:	ALPHA EAST ^{CLEAR} GRUB	Site Code:	Mojave Solar	
Weather:		Start	Midday 12:00	End 5:00 PM
		07:00 AM		
Rainfall?		45	59	53
Temp:				
% Cloud Cover:		0%		

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: Holly Hill

MORT
KRAAT PM
W
W
W
Sage sparrow
kill
LHR
LIVE
LHT KRAAT
WTA
HHT PM

Biological Monitor:	H. Hull	Date:	01/24/12
Starting Location and Activity:	(1)	Site Code:	MSP
Weather:	see pg 1	Start : AM	Midday : End PM
Rainfall?	Temp:		
Y N	% Cloud Cover:		

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)			
Species, Location, and ID:	Condition	Compliance?	Comments
	A) Are exclusionary fencing and/or 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: Bi-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	08:00	AE	FORAGING		
14-21	0900-12	AE	" "		

Signature: Holly Hull

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Joseph Huang	Date:	1/27/12	
Starting Location and Activity:	Beta East	Site Code:	Mojave Solar	
Weather:	Cloudy	Start	Midday	End
		7:00 AM	12:00	5:00 PM
Rainfall? Y (N)	Temp:	38 38	58	52
	% Cloud Cover:	90	50	5

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (ABCOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2.3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	None observed

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

Signature: _____

Joseph Huang

Biological Monitor: Joseph Huang Date: 1/27/12

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

Incidental Species Observed		
Species	Activity (of species)	Location
K Rat	dead	NW corner of Beta West
"	ran away & hid	"

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
7:00		4	Attended safety meeting	1
7:30	8	5	Monitored mowing at Beta West; mowing started at 7:50 AM	1
8:05		5	Mowing stopped b/c mower had mechanical problem	1
8:40	8	5	" resumed	1
9:05	8	5	2nd mower arrived & began mowing.	1
9:50	8	5	2 mowers split up, 1 mowed near NW corner & the other one mowed the field. BM monitored one in NW corner & c/c closer to DT fence.	1
10:50	8	5	1st mower left area b/c another problem. BM monitored 2nd mower. 1st mower returned at 11:30 & now began mowing the field too.	1
12:00		5	Found 1 dead KRat & 1 live one. Live one ran away & hid. BM removed dead KRat.	1
1:00		5	2nd BM arrived to help monitor.	

- Activity (ACT)¹**
- DT Fencing
 - Access/egress
 - Clear/grub
 - Grading
 - Excavation
 - UXO Activities
 - SWPPP
 - Other (specify)

- Location (LOC)²**
- DT Fence
 - Access Road
 - Drainage
 - Other Beta West
 - Other Beta West
 - Other _____
 - Other _____
 - Other Beta East

- Compliance Levels (CL)³**
- Acceptable
 - Notification
 - Non-compliance
 - Non-compliance Resolution

Signature: _____

Mojave Solar Project

Biological Monitor:	Joseph Huang		Date:	4/27/12	
Starting Location and Activity:	Beta East, safety meeting		Site Code:	MSP	
Weather:	cloudy	Start 7:00 AM	Midday 12:00	End 5:00 PM	
Rainfall?	Temp:	38	58	52	
Y N	% Cloud Cover:	90	50	5	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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 checked="" type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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 checked="" type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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 checked="" type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
26	Before noon	Beta West	flying & ground	N/A	N/A
11	Afternoon	"	"	"	"

Signature: Joseph Huang

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor: <u>Holly Hill</u>	Date: <u>01/27/12</u>
Starting Location and Activity:	Site Code: <u>Mojave Solar</u>
Weather:	Start <u>07:00 AM</u> Midday <u>12:00</u> End <u>5:00 PM</u>
Rainfall?	Temp: <u>40</u> <u>59</u> <u>55</u>
Y <input checked="" type="radio"/> N <input type="radio"/>	% Cloud Cover: <u>100%</u> <u>60%</u> <u>?</u>

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	? AE DRAINAGE NO E. CONTROL IN PLACE
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

Holly Hill

LIVE

3 KRAT
2 PM*

WOUNDED

MART

1 PM

1 JR-HU

Biological Monitor:	<i>H. Hill</i>	Date:	<i>02/27/12</i>		
Starting Location and Activity:		Site Code:	<i>MSP</i>		
Weather:	<i>see page 1</i>	Start	Midday	End	
		AM	:	PM	:
Rainfall?	Temp:				
Y N	% Cloud Cover:				

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or 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: Bi-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>0-24</i>	<i>all day</i>	<i>Beta</i>	<i>flight/forage</i>		

Signature: *Holly Hill*

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Peggy Wood	Date:	1-27-12	
Starting Location and Activity:	Beta East	Site Code:	Mojave Solar	
Weather:		Start:	Midday	End
		05:40 AM	12:00	: PM
Rainfall? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Temp:	37 F	62 F	
	% Cloud Cover:	85%	90%	

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unfenced areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Sand still piled high along AE + Beta w/ progress of removal slow.
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3 horned larks killed on power line Beta found and buried.
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<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: _____

Peggy Wood

Biological Monitor: Peggy Wood Date: 1-27-12

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

Incidental Species Observed		
Species	Activity (of species)	Location
horned larks	found dead; Beta power line	Beta power line, center

Notes/Comments Section			
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.			
Time	ACT ¹	LOC ²	Notes/Comments
0540			Travel and arrive to safety meeting. Assign BMs. Give brief WEAP to dump truck drivers. After give WEAP to 3 new Sikut + NCM (2 nd time).
0900			Conference Call for Speed Limit change. Agree to compile data for case that tort habitat low quality + low density to present for change of condition 25mph to posted 55mph. Following, send inquiry to Alice + Tom Egan.
1050			Call from Javier of 2 KF in AW near NCM - Go there, KF gone (2), check on trench. See 1 area w/ sloughing but for now fence OK.
1130			Go check on Lockhart cleared veg. See extended clearing x 400 feet West of Cleared area + 100' E of Beta East edge. Report to Leo need to clarify which areas get cleared!
1350			Go check on backhoe clearing sand along east AE fence, monitor check on mowers in Beta West; Joseph rotating btwn 2. Call Julie check on cut/fill location then re-allocate Julie to help Joseph w/ mowers. Holly fixing fence, checking backhoe clearing sand and checking cut/fill.

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

- Location (LOC)²**
1. DT Fence
 2. Access Road
 3. Drainage
 4. Other _____
 5. Other _____
 6. Other _____
 7. Other _____

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

Signature: Peggy Wood

Mojave Solar Project
 1540 Return to trailers to catch up on emails RE: H/L road research.

Biological Monitor:	Peggy Wood		Date:	1-27-12	
Starting Location and Activity:	Beta East		Site Code:	MSP	
Weather:		Start 05:40 AM	Midday 12:00	End : PM	
Rainfall?	Temp:	37 F	62 F		
Y <input checked="" type="radio"/> N <input type="radio"/>	% Cloud Cover:	85%	90%		

Non-Disturbance Buffer Monitoring Section: (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Sand still piled high along eastern AE and eastern Beta. Removal using backhoe taking a long time.
B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2 KF reported seen in NW Alpha West.
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Removing sand from fence!
F) Is all stockpiling kept away from buffer, posing no threat for siltation/debris entering into buffer? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
4	11:30	Alpha East	flying	—	—
3	14:10	Alpha East	flying	—	—

Signature: _____

Peggy Wood

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor: JULIE ROTH	Date:	1/27/2012	
Starting Location and Activity: BETA EAST CUT	Site Code:	Mojave Solar	
Weather:	Start	Midday	End
	7:00 AM	12:00	4:00 PM
Rainfall?	Temp:	38°F	62°F
Y (N)	% Cloud Cover:	50%	30%
			55°F
			10%

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<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: _____

Julie Roth

Biological Monitor:	JULIE ROTH		Date:	1/27/2012	
Starting Location and Activity:	BETA EAST - MASS GRADING		Site Code:	MSP	
Weather:		Start 7:00 AM	Midday :	End 4:00 PM	
Rainfall?	Temp:	See page 1 of data sheets for today			
Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	% Cloud Cover:				

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)			
Species, Location, and ID:	Condition	Compliance?	Comments
	A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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 checked="" type="checkbox"/> N/A	
	C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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 checked="" type="checkbox"/> N/A	
	E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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 checked="" type="checkbox"/> N/A	

Raven Monitoring: Bi-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?

N/A - but see page 2 "Incidental Species Observations" of data sheets for today

Signature: Julie Roth

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor: <i>Holly Hill</i>	Date: <i>01/28/12</i>			
Starting Location and Activity:	Site Code: <i>Mojave Solar</i>			
Weather:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; text-align: center;">Start <i>07:00 AM</i></td> <td style="width: 33%; text-align: center;">Midday <i>---</i></td> <td style="width: 33%; text-align: center;">End <i>2:30 PM</i></td> </tr> </table>	Start <i>07:00 AM</i>	Midday <i>---</i>	End <i>2:30 PM</i>
Start <i>07:00 AM</i>	Midday <i>---</i>	End <i>2:30 PM</i>		
Rainfall? Y N	Temp: <i>45</i> <i>58</i> <i>59</i>			
	% Cloud Cover: <i>50%</i> <i>0%</i> <i>0%</i>			

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist **Peggy Wood C: 435-881-6444** and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) **Shelly Dayman C: (619) 820-0768**.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>2 cottontail 1 juv. KRAT (pup) 1 Pocket mouse 1 JACKRABBIT (H.P.)</i>
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

Holly Hill

Biological Monitor:	N. Hill		Date:	01/28/12	
Starting Location and Activity:			Site Code:	MSP	
Weather:	See page 1		Start	Midday	End
			: AM	:	: PM
Rainfall?	Temp:				
Y N	% Cloud Cover:				

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or 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	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: Bi-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?
2-4	all time inside	Beta	foraging		

Signature: _____

Holly Hill

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Peggy Wood	Date:	1-28-12	
Starting Location and Activity:	Beta West	Site Code:	Mojave Solar	
Weather:		Start	Midday	End
		09:30 AM	12:00	18:45 PM
Rainfall?	Temp:	43 F	57 F	61 F
Y (N)	% Cloud Cover:	15%	20%	10%

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Still sand along AE + BE eastern fences.
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	On call and present.
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Checked N-AW fence line for sloughing. Still holding beside trench near fence.
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife Injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	buried 2 cottontails found by Holly near mower.
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Channel along N-Edie Rd still not protected from erosion.
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

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

Signature: _____

Peggy Wood

Biological Monitor: Peggy Wood Date: 1-28-12

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

Incidental Species Observed		
Species	Activity (of species)	Location
prairie falcon	flying	N-Alpha West.

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0930			Travel + arrive to Beta East where mowing occurring monitored by Holly + Joseph. Machines began @ 0630, before arrival of BM's -- informed Kerry he must notify us if changes in schedule.	
1030			Check open trenches in Beta.	
1140			Check open trenches in AE	
1240			Check open trenches and fence line in North Alpha West. Find some sloughing near fence, but not compromising integrity of fence. Make note to Notify ALE + Teuma & need to maintain fence lines: remove sand + backfill trench.	
1400			Check back on mowing just as their wrapping up for day. Collect data forms + gear, discuss project w/ Holly + Joseph. After returning home begin/continue on-going conversations w/ Kim McCormick, Fred, Matt, Alice over approach to gather data for HL speed limit modification. This goes on into the evening, all the way until 9 pm, off/on.	

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

- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other _____
 - 5. Other _____
 - 6. Other _____
 - 7. Other _____

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

Signature: Peggy Wood

Biological Monitor:	Peggy Wood		Date:	1-28-12	
Starting Location and Activity:	Beta East		Site Code:	MSP	
Weather:		Start 09:30 AM	Midday 12:00	End 10:45 PM	
Rainfall?	Temp:	43 F	57 F	61 F	
Y (N)	% Cloud Cover:	75%	20%	10%	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Sand along eastern AE+BE fences not yet removed. Leaves only 2-4" clearance above sand.
B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Remove sand!
F) Is all stockpiling kept away from buffer, posing no threat for siltation/debris entering into buffer? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?

Signature: Peggy Wood

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

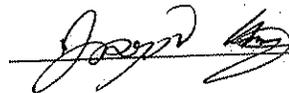
Biological Monitor:	Joseph Huang		Date:	1/28/12	
Starting Location and Activity:	Beta West monitoring morning		Site Code:	Mojave Solar	
Weather:	Sunny, breezy	Start	Midday	End	
		6:45 AM	11:00	2:15 PM	
Rainfall?	Temp:	33	50	60	
Y N	% Cloud Cover:	10	5	0	

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2.3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Peggy Wood told operator to slow down his vehicle when he left site.
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Contractor will remove sand later.
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Contractor started at 6:30 w/o informing RMS.
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	None observed.

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

Signature: _____



Biological Monitor:	Joseph Huang		Date:	1/28/12	
Starting Location and Activity:	Beta West ^{monitoring} _{morning}		Site Code:	MSP	
Weather:	Sunny, breezy	Start	Midday	End	
		6:45 AM	11:00	2:15 PM	
Rainfall?	Temp:	33	50	60	
<u>Y</u> <u>N</u>	% Cloud Cover:	10	5	0	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)			
Species, Location, and ID:	Condition	Compliance?	Comments
	A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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 checked="" type="checkbox"/> N/A	
	C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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 checked="" type="checkbox"/> N/A	
	E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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 checked="" type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
3	8:10		flying	N/A	N/A
2	8:15		flying		
1	9:00		ground		
4	9:30		ground		
3	10:30		flying		
1	11:30		ground		

Signature: _____

Joseph Huang

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor: Peggy Wood	Date: 1-30-12						
Starting Location and Activity: Beta East	Site Code: Mojave Solar						
Weather:	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Start 05:40 AM</td> <td style="width: 33%;">Midday 12:30</td> <td style="width: 33%;">End 17:10 PM</td> </tr> </table>	Start 05:40 AM	Midday 12:30	End 17:10 PM			
Start 05:40 AM	Midday 12:30	End 17:10 PM					
Rainfall?	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Temp: 18 F</td> <td style="width: 33%;">Temp: 61 F</td> <td style="width: 33%;">Temp: 64 F</td> </tr> <tr> <td>% Cloud Cover: 15%</td> <td>% Cloud Cover: 35%</td> <td>% Cloud Cover: 85%</td> </tr> </table>	Temp: 18 F	Temp: 61 F	Temp: 64 F	% Cloud Cover: 15%	% Cloud Cover: 35%	% Cloud Cover: 85%
Temp: 18 F	Temp: 61 F	Temp: 64 F					
% Cloud Cover: 15%	% Cloud Cover: 35%	% Cloud Cover: 85%					
Y (N)							

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Sand up against fence leaving 2-4" clearance
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bore) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife Injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2 AGS 2 Krats 1 pocket mouse 1 side-blotched lizard caught by Holly.
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Notify John Rusin of black sludge in AW leaking out of pipes, needing clean-up
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<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: _____

Peggy Wood

Biological Monitor: Peggy Wood	Date: 1-30-12
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Incidental Species: Daily notation of species other than WBO, DT, AB, KF or MGS

Incidental Species Observed		
Species	Activity (of species)	Location
Prairie Falcon	Alpha East flying	Alpha East

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0540			Travel and arrive to safety meeting. Assign BMs. Provide WEAP training to drillers + 2 new cultural monitors. Go check on NCM in Alpha West then check on demo of Mercantile. Talk w/ Ray R. about activities on site	
0900			Construction meeting. Sand ^{AE + BE} against fence. Trench AW. Let us know scheduling esp. when it changes. After meeting discuss w/ Ron: SWPP along channel and breeding bird survey schedule. Discuss w/ Isaac + Alberto mowing AW + erosion control conversation w/ Alice Kart designing sampling for HL tortoise abundance. Convey this idea w/ associated costs to ASI before initiating. Convey to ASI non-compliant issue of sand against fence eastern AE + BE and intent to give Teyma up to the 10 th day to fix before issuing Non-compliance Notification. Check black sludge leaking in AW. Report to John Rusin. Go check on AE clearing. Go check on Beta East fence clearing of sand. Go check on Holly @ Lockhart Rd clearing S-side. Release critters for Holly	
1300			Provide WEAP training for new mechanic. Returns bags to Holly then release more critters.	

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

Signature: _____ Peggy Wood _____

Biological Monitor:	Peggy Wood		Date:	1-30-12	
Starting Location and Activity:	Beta East		Site Code:	MSP	
Weather:		Start 05:40AM	Midday 12:30	End 17:10 PM	
Rainfall?	Temp:	19 F	61 F	64 F	
Y(N)	% Cloud Cover:	15/	35/	85/	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Sand against fence not fully cleared. Notify Teyma urgency
B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input checked="" 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 checked="" type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Clear sand from
F) Is all stockpiling kept away from buffer, posing no threat for siltation/debris entering into buffer? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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	1350	Alpha East	flying	—	—

Signature: _____

Peggy Wood

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Joseph Huang	Date:	1/30/12	
Starting Location and Activity:	Beta East, safety meeting	Site Code:	Mojave Solar	
Weather:	Partly cloudy	Start	Midday	End
		7:00 AM	12:00	5:30 PM
Rainfall?	Temp:	30	55	50
Y (N)	% Cloud Cover:	40	80	80

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2.3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Peggy asked for DT fence to have sand removed.
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status (ramps/covered/capped @ end of day)(BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	None observed

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

Signature: _____

Joseph Huang

Biological Monitor: Joseph Huang Date: 1/30/12

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

Incidental Species Observed		
Species	Activity (of species)	Location
Pocket Mouse	standing still	Alpha East

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
7		4	Safety meeting	1
7:30		5	Safety training	1
7:50		Beta 4	Monitored mowing operation in SW part of Beta E	1
10:30		4	found a ~5 in. diameter burrow, pounded in stake at location and informed mowers not to run over it.	1
11:00		4	found 2nd burrow ~ 400 ft NNW of 1st one. Pounded in stake at loc & informed mowers again.	1
1:35		4	stopped mowing.	1
1:45			Mowers headed towards Alpha East.	1
2:00		6	1 Mower began mowing	1
2:20		6	Found live pocket mouse. Relocated it outside const. limits to the N.	1
2:30			2nd mower arrived & began to mow.	1

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

- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other Beta East
 - 5. Other Trailers
 - 6. Other Alpha East
 - 7. Other

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

Signature: Joseph Huang

Biological Monitor:	Joseph Huang		Date:	1/30/12	
Starting Location and Activity:	Beta East, safety meeting		Site Code:	MSP	
Weather:	cloudy	Start	7:00 AM	Midday	12:00
				End	5:30 PM
Rainfall?	Temp:	30	55	50	
Y N	% Cloud Cover:	40	80	80	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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 checked="" type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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 checked="" type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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 checked="" type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
4	Before noon	Beta East	Ground	N/A	N/A
16	11	"	fly Mg		
10 8	After noon	Beta East	11		
2		Alpha East	u		

Signature: Joseph Huang

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Holly Hill	Date:	01/30/12	
Starting Location and Activity:		Site Code:	Mojave Solar	
Weather:	Part cloudy	Start	Midday	End
		07:00 AM	12:00	5:30 PM
Rainfall?	Temp:	40	60	50
Y N	% Cloud Cover:	21%		

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas? (BIO-7.1)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2.3)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Speeding on Lockhart 30s - regularly throughout day
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction? (BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat? (BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day] (BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day? (see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing? (BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2 AGS; 1 cottontail; 5 KRAT; 1 UTA 1 pocket mouse - LIVE. 2 AGS mortality (yes)
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions) (BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

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

Signature: _____

LIVE
III

AGS

K RAT

HTT

1 UTA

more
② AGS

Holly Hill

1 PM

Biological Monitor:	H. Hill	Date:	01/30/12
Starting Location and Activity:		Site Code:	MSP
Weather:	see pg 1	Start	Midday
		: AM	: PM
Rainfall?	Temp:		
Y N	% Cloud Cover:		

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned, DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or 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	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: Bi-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	10-5pm	Lockhart RD	foraging	N/A	N/A

Signature: _____

Holly Hill

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor: <i>Andrew Moore</i>	Date: <i>1/31/12</i>
Starting Location and Activity: <i>Alpha West</i>	Site Code: <i>Mojave Solar</i>
Weather: <i>clear cold, no wind</i>	Start <i>7:00 AM</i> Midday <i>12:00</i> End <i>5:30 PM</i>
Rainfall?	Temp: <i>32</i> <i>59</i> <i>56</i>
Y (N)	% Cloud Cover: <i>20-cirrus</i> <i>60</i> <i>85</i>

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist **Peggy Wood C: 435-881-6444** and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) **Shelly Dayman C: (619) 820-0768**.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unfenced areas? (BIO-7.2.3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>Sand & tumbler used removed along fence line.</i>
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife Injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>None observed</i>
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>Oil from piping in Alpha West cleaned up by NCM, John Roush</i>
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

Andrew Moore

Biological Monitor: Jeff Moore Date: 1/30/12

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

Incidental Species Observed		
Species	Activity (of species)	Location
Common Raven	Flying	Alpha West/East
Western Gull	"	"
Northern Cormorant	"	Alpha East
Western Woodpecker	"	"

Notes/Comments Section

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

Time	ACT ¹	LOC ²	Notes/Comments	CL ³
700	2	4	Attend safety mtg. Sign attendance sheet. Plan to support demo of merchandise bldg in Alpha West. Crew will also directional drill under Harper Lake Rd for water line and backhoe (Don) remaining. Saksila sand from DT fence in Alpha East. I will spt check activity throughout day.	1
1000	8	4	Directional drilling under Harper Lake Rd for the line link bet wgn Alpha East & West.	
1100	1	1	check on backhoe performing maintenance on DT fence. Pulling Saksila sand from fence to regain 24" above grade. Add'l work needed in Alpha East. Backhoe now working in Beta East along E side of fence. Informed Regy W. of status.	
1300-1530	8	4	Monitoring demo of merchandise bldg	

- Activity (ACT)¹**
- 1. DT Fencing
 - 2. Access/egress
 - 3. Clear/grub
 - 4. Grading
 - 5. Excavation
 - 6. UXO Activities
 - 7. SWPPP
 - 8. Other (specify)
- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other Alpha West
 - 5. Other _____
 - 6. Other _____
 - 7. Other _____
- Compliance Levels (CL)³**
- 1. Acceptable
 - 2. Notification
 - 3. Non-compliance
 - 4. Non-compliance Resolution

Signature: Jeff Moore

Mojave Solar Project
 1600 Trenches for H2O piping under Harper Lake Rd backfilled w/ backhoe.
 1730 Removal of sand/saksila up against DT fence along E side of Beta East complete for day. Depart site.

Biological Monitor:	[Signature]			Date:	1/30/12
Starting Location and Activity:	Alpha West			Site Code:	MSP
Weather:	Clear, cold, no wind	Start	7:00 AM	Midday	12:00
				End	5:30 PM
Rainfall?	Temp:	32	59	56	
Y(N)	% Cloud Cover:	20-cirrus	60	85	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)			
Species, Location, and ID:	Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	No ESA fencing
B) Are sensitive species still present inside the fencing? Describe their status and behavior.		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe		<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.		<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
3	9:37	Alpha West	flying	N/A	N/A
2	11:12	Alpha East	perched	"	"
1	12:50	"	flying	"	"
3	4:37	"	ground	"	"

Signature: [Signature]

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor: Tsegaye Mengistu	Date: 1/30/12		
Starting Location and Activity: Beta cut/fill	Site Code: Mojave Solar		
Weather: cloudy	Start 7:00 AM	Midday 12:00	End 5:30 PM
Rainfall? Y (N)	Temp: 42°F	67°F	53°F
	% Cloud Cover: 80%	70%	75%

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife Injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes, <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

Tsegaye Mengistu

Biological Monitor:	Tsegaye Mengistu		Date:	1/30/12	
Starting Location and Activity:	Beta cut/fill		Site Code:	MSP	
Weather:	Cloudy	Start 7:00 AM	Midday 12:00	End 5:30 PM	
Rainfall?	Temp:	42°F	67°F	53°F	
Y (N)	% Cloud Cover:	80%	75%	71%	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" 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 checked="" type="checkbox"/> N/A	
F) Is all stockpiling kept away from buffer, posing no threat for siltation/debris entering into buffer? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
15-25	7:45-5:30pm	Beta	flying, ground.		

Signature: _____

Tsegaye Mengistu

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Peggy Wood	Date:	1-31-12	
Starting Location and Activity:	Beta East	Site Code:	Mojave Solar	
Weather:		Start	Midday	End
		05 : 40 AM	12 : 30	17 : 10 PM
Rainfall?	Temp:	37 F	63 F	66 F
Y (N)	% Cloud Cover:	35 %	65 %	85 %

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2.3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Notify white truck of report w/ license plate seen speeding.
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	SE Beta East st. needing sand cleared.
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bore) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<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: _____

Peggy Wood

Biological Monitor: Peggy Wood Date: 1-31-12

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

Incidental Species Observed		
Species	Activity (of species)	Location

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
0540			Travel and arrive to Safety meeting. Assign BMs. Provide training WEAP for 2 new operators and then fencing contractors building around reservoir.	
0900			Construction meeting. SWPP on channel Beta West - NW corner. Make sure Site aware of areas (AW) still needing mowing. Check on activities all across sites from vege. clearing, fence line AW, demo, cut/fill.	
1320			Check holes in South Beta East found by Joseph. One site on former KF complex SW Beta East + 1 new KF dig. Return to trailer to continue communications online w/ Ron, Julie, and p/o cameras.	
1420			Side-tracked to look over AW w/ Isaac and vegetation. Call Andrew to discuss breeding bird nesting habitat. Conclude OK to leave what's left until Andrew returns to assess next week, too early for ground-nesters (lark, meadow lark).	
1300			Get out to set-up cameras @ KF holes. Go check the eastern Beta fence line. Find much sand along SE corner area. Notify Isaac. Discuss project w/ Joseph and later w/ Tsogaye.	

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

- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other _____
 - 5. Other _____
 - 6. Other _____
 - 7. Other _____

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

Signature: Peggy Wood

Mojave Solar Project

Biological Monitor:	Peggy Wood		Date:	1-31-12	
Starting Location and Activity:	Beta East		Site Code:	MSP	
Weather:		Start 05:40 AM	Midday 12:30	End 17:10 PM	
Rainfall?	Temp:	37 F	63 F	66 F	
Y <input checked="" type="radio"/> N <input type="radio"/>	% Cloud Cover:	35%	65%	85%	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	SE beta east still needs sand removed
B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Set up 2 cameras SW Beta East to monitor digging.
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?

Signature: _____ Peggy Wood

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor: <i>Paul Daniels</i>	Date: <i>1/31/12</i>						
Starting Location and Activity: <i>Alpha West</i>	Site Code: <i>Mojave Solar</i>						
Weather: <i>cloudy, cold, no wind</i>	<table style="width: 100%; text-align: center;"> <tr> <td style="width: 25%;">Start</td> <td style="width: 25%;">Midday</td> <td style="width: 25%;">End</td> </tr> <tr> <td><i>7:00 AM</i></td> <td><i>12:00</i></td> <td><i>5:30 PM</i></td> </tr> </table>	Start	Midday	End	<i>7:00 AM</i>	<i>12:00</i>	<i>5:30 PM</i>
Start	Midday	End					
<i>7:00 AM</i>	<i>12:00</i>	<i>5:30 PM</i>					
Rainfall? <i>Y (N)</i>	Temp: <i>38</i>	<i>64</i>	<i>55</i>				
	% Cloud Cover: <i>85</i>	<i>20</i>	<i>40</i>				

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>sand and tumble weed removal along fence</i>
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>none seen</i>
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>none reported</i>
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

Paul Daniels

Biological Monitor: Raymond Date: 1/31/12

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

Incidental Species Observed		
Species	Activity (of species)	Location
Woodrats	feeding	Alpha West
Common Raven	"	Alpha East
Mountain Squirrel	"	Alpha West
Western Whiptail Lizard	Running	Alpha West

Notes/Comments Section

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

Time	ACT ¹	LOC ²	Notes/Comments	CL ³
7:00	8	4	Attend safety mtg. in abundance shot. I will monitor spot check demo, veg chipping, patching of pipe and DT fence maintenance activities today.	1
8:45	3	5	Check on veg chipping operation in Alpha East. Use of lg. chipper & excavator to load veg. Good w/ prep.	
11:40	8	4	Back w/ demo crew in Alpha West. All walls on woodpile bldg are down. Crushing block concrete.	
1:45	3	5	Back w/ chipped. Completed veg chipping @ drainage. Equip moved further E in Alpha East to continue chipping.	
1:50	1	4	Monitoring backhoe work along trench from asbestos pipe removal along N boundary, DT fence line in Alpha West. Trench fully backfilled by end of day.	

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

Signature: [Signature]

Mojave Solar Project
1730 work complete for day. Depart site.

Biological Monitor:	Judy Romero		Date:	1/31/12	
Starting Location and Activity:	Alpha West		Site Code:	MSP	
Weather:	cloudy no wind	Start 7:00 AM	Midday 12:00	End 5:30 PM	
Rainfall?	Temp:	38	64	55	
Y (N)	% Cloud Cover:	85	20	40	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	No ESA fencing
B) Are sensitive species still present inside the fencing? Describe their status and behavior.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
3	753	Alpha West	flying	N/A	N/A
1	834	"	"	"	"
1	1305	"	"	"	"
2	1512	"	"	"	"
1	1422	"	"	"	"

Signature: _____

Judy Romero

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Holly Hill	Date:	01/31/12	
Starting Location and Activity:	ALPHA EAST	Site Code:	Mojave Solar	
Weather:	SUNNY	Start	Midday	End
		07:00 AM	12:00	5:30 PM
Rainfall?	Temp:	30	59	50
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 Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas? (BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2,3)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	VEH. OBS SPEEDING ON HLR & LOCKHART THROUGHOUT DAY
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction? (BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat? (BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day] (BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day? (see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing? (BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1 KWLK RELOCATED OFFSITE (LIVE)
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions) (BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature: _____

Holly Hill

Biological Monitor:	H. Hill	Date:	01/31/12
Starting Location and Activity:	ALPHA EAST	Site Code:	MSP
Weather:	see pg 10	Start	Midday
		AM	PM
Rainfall?	Temp:		
Y N	% Cloud Cover:		

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)			
Species, Location, and ID:	Condition	Compliance?	Comments
	A) Are exclusionary fencing and/or 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	 NA
	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: Bi-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?
4-25	8-12 noon	AE	flying / perching	—	—

Signature: _____

Henry Hill

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor: Tsegaye Mengistu	Date: 11/31/12								
Starting Location and Activity: Alpha east MOWING/DT Fence	Site Code: Mojave Solar								
Weather: Cloudy AM / Sunny PM	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Start</td> <td style="width: 25%;">Midday</td> <td style="width: 25%;">End</td> </tr> <tr> <td>7:00 AM</td> <td>12:00</td> <td>5:30 PM</td> </tr> </table>	Start	Midday	End	7:00 AM	12:00	5:30 PM		
Start	Midday	End							
7:00 AM	12:00	5:30 PM							
Rainfall?	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Temp:</td> <td style="width: 25%;">43°F</td> <td style="width: 25%;">71°F</td> <td style="width: 25%;">64°F</td> </tr> <tr> <td>% Cloud Cover:</td> <td>75% AM</td> <td>20%</td> <td>30%</td> </tr> </table>	Temp:	43°F	71°F	64°F	% Cloud Cover:	75% AM	20%	30%
Temp:	43°F	71°F	64°F						
% Cloud Cover:	75% AM	20%	30%						
Y/N									

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2.3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
D) Transmission and power lines designed to reduce avian collision and electrocutions? (BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
M) Wildlife Injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
S) Special status species observed? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Signature:

Tsegaye Mengistu

Biological Monitor: Tsegaye Mengistu Date: 11/21/12

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

Incidental Species Observed		
Species	Activity (of species)	Location

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
7:00			We construction meeting at stepping beta, safety health and work scope of the day discussed.	
7:40	8	4	monitored the mower during veg. mowing at Alpha East.	1
11:00	1	5	monitored the removal of dirt around the DT fence system beta, backhoes JK9658 and JL9A69 were operating. Backhoe JK9658 left at 2 PM and stayed with one backhoe BM also repaired DT fence damaged during the clearing activities by backhoes.	
12:00			lunch time	
12:40	1	5	activity by backhoe JK9658/JK9658 continued backhoe JK9658 done for the day	1
5:30			end of work day.	

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

- Location (LOC)²**
- 1. DT Fence
 - 2. Access Road
 - 3. Drainage
 - 4. Other Alpha East.
 - 5. Other Beta
 - 6. Other _____
 - 7. Other _____

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

Signature: Tsegaye Mengistu

Biological Monitor:	Tsegaye Mengistu		Date:	1/31/12	
Starting Location and Activity:	Alpha East		Site Code:	MSP	
Weather:	Cloudy Am Sunny PM	Start	7:00 AM	Midday	12:00
				End	5:30 PM
Rainfall?	Temp:	43°F	71°F	64°F	
Y (N)	% Cloud Cover:	75%	20%	30%	

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input checked="" 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
D) Does the current fencing configuration appear to sufficiently encompass the applicable resources? Describe	<input checked="" 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 checked="" type="checkbox"/> N/A	
F) Is all stockpiling kept away from buffer, posing no threat for siltation/debris entering into buffer? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Raven Monitoring: Bi-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?
10-20	7:40-11:30	Alpha East	flying ground		
15-25	11:30-5:30	Beta	flying ground		

Signature: Tsegaye Mengistu

Daily Biological Monitoring Log Mojave Solar Project

California Energy Commission Final Conditions of Certification 09-AFC-5

Biological Monitor:	Joseph Huang	Date:	1/31/12	
Starting Location and Activity:	Beta East safety meeting	Site Code:	Mojave Solar	
Weather:	Overcast	Start	7:00 AM	Midday 12:00
				End 5:30 PM
Rainfall?	Temp: NA		38	60
				48
Y (N)	% Cloud Cover:		70	5
				60

ALL MONITORS WILL NOTIFY A POINT OF CONTACT (POC) UPON ARRIVAL ONSITE
 Contact Designated Biologist Peggy Wood C: 435-881-6444 and Mojave Solar POC or foreman on arrival.
 For health and safety issues, please contact the Field Safety Director (AECOM) Shelly Dayman C: (619) 820-0768.
 In emergencies, dial 911

General Monitoring Section		
Condition	Compliance?	Comments
A) Construction activity (including spoils/topsoil) and traffic ONLY within flagged areas?(BIO-7.1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Speed limit 25mph on Harper Lake Rd. and 15 mph on unfenced, unpaved access roads. No off road activity in unflagged areas? (BIO-7.2.3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
C) DT exclusion fence intact? Note any repairs made to fencing (see fence inspection timing details in BIO-11.1A).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Contractor was maintaining them.
D) Transmission and power lines designed to reduce avian collision and electrocutions?(BIO-7.5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
E) DB or BM present during all disturbance activities with potential impact to soil, vegetation and wildlife?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
F) Noise levels less than 60 dBA during construction?(BIO-8)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
G) Night lighting avoids wildlife habitat?(BIO-7.7)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
H) Vehicles/equipment checked for DT prior to movement (BIO-7.8)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
I) Wildlife pitfall (trenches/bores) and entrapment (pipes/culverts) areas checked - note check times, start/end of day status [ramps/covered/capped @ end of day](BIO-7.9, 10)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
J) BM completed all DT patrolling along Harper Lake Rd. for the day?(see COC BIO-7.8 for schedule)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
K) Only biologically non-toxic agents/sealants being used on road surfacing?(BIO-7.6)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
L) No standing water, note check times/locations (BIO-7.12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
M) Wildlife injured, or road kill removed? note species/location (BIO-7.11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Pocket mouse killed. Body was removed off site away from Beta East.
N) AB informed of hazardous spills with proper clean up/disposal, toxins avoided, hazardous materials stored in approved locations (BIO-7.13)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
O) Trash/food in sealed containers, removed daily (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
P) No pets/firearms/weapons, wildlife not fed (BIO-7.14)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Q) If present, are invasive weed species below reporting threshold? Describe (see Weed ID Guide Instructions)(BIO-7.15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
R) Erosion control (eg. silt fences) present and functioning (BIO-7.16)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
S) Special status species observed? Describe	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	None observed.

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

Signature: _____

Joseph Huang

Biological Monitor:	Joseph Huang	Date:	1/31/12
---------------------	--------------	-------	---------

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

Incidental Species Observed		
Species	Activity (of species)	Location
Pocket mouse	dead	Beta East

Notes/Comments Section				
Notes/comments are to be captured in chronological order. If follow up is required, please include notes detailing this.				
Time	ACT ¹	LOC ²	Notes/Comments	CL ³
7:00		4	Attended safety meeting	1
7:30	5	4	Monitoring excavation	1
7:15		4	Checked on burrows found yesterday. 1 new burrow dug.	1
12:00		4	Lunch	1
12:45	4	4	Monitored dozer working on slopes of channel at E edge of Beta East.	1
3:45	5	4	Monitored excavation at cut around SE part of Beta East.	1
5:30		4	Turned on monitoring cameras to monitor desert kit fox den. The burrows found on the SW side of Beta East observed were being used by kit foxes. 1 burrow being used by an unknown species.	1
4:20		4	Dead pocket mouse found. Removed body off site.	1

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

Signature: 

Biological Monitor:	Joseph Huang		Date:	1/31/12	
Starting Location and Activity:	Beta East, safety meeting		Site Code:	MSP	
Weather:	Overcast	Start 7:00 AM	Midday 12:00	End 5:30 PM	
Rainfall?	Temp:	38	60		
Y/N	% Cloud Cover:	70	5		

Non-Disturbance Buffer Monitoring Section (Nesting birds, WBO, Kit fox, Badger, Pinned DT)		
Species, Location, and ID:		
Condition	Compliance?	Comments
A) Are exclusionary fencing and/or erosion control measures intact, with no sign of trespass or encroachment of disturbance activities? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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 checked="" type="checkbox"/> N/A	
C) Any sensitive species observed immediately outside fencing? Describe	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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 checked="" type="checkbox"/> N/A	
E) Is adaptive management needed? Recommendations.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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 checked="" type="checkbox"/> N/A	

Raven Monitoring: Bi-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	Before 12	Beta East	flying	N/A	N/A
2	After 12	61	61		

Signature: _____

SCANNED

Note: this table is for keeping track of easting/northing transects walked and initials of each surveyor walking the transect

DESERT TORTOISE CLEARANCE SURVEY DATA SHEET

Survey Date: 1/15/12 Construction to begin: 1/15/12 Page 1 of 1
 Site: Tamarisk row, Hayes Ranch Location: Hayes Ranch on Lockhart Rd Proposed Construction Activity: clearing tamarisk
 MSP On Lockhart Rd.

Pass (1/2/3)	Survey Direction	UTM Start	UTM End
	N/S (easting)	0471671	0471489
	E/W (northing)	3874266	3874271
	Other		

	Time	Ambient Temp*	Wind	Weather % Cloud
Start	0715	27 F	0	15%
Mid-day				
End	0850	36 F	0	10%

Surveyor	AB/BM	GPS	GPS w/ Data?
PW	AB BM	radio3	Y (N)
	AB BM		Y N
	AB BM		Y N
	AB/BM		Y N
	AB/BM		Y N

Burrow Clearance Data:

GPS Data			Burrow Data					Other		
GPS Ident Code	Easting	Northing	Class (1-5)	Dimensions (WxHxD)	Orientation	Excavated ?	Nest check? ~	Ground Temp**	Observed Species^	Comments
N/A				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			
				x x cm		Y N	Y N			

* Ambient temp measured 5 cm above ground surface in shade, protected from wind
 ** Ground temperature measured on ground surface, in full sun, with thermometer in shadow of observer
 ~ If tortoise nest site found, complete datasheet for nest excavation
 ^ If desert tortoise found in burrow, complete tortoise detection area on page 2, DT health sheet

DESERT KIT FOX (KF)/AMERICAN BADGER (AB) PRE-CONSTRUCTION FOCUSED SURVEY DATA SHEET

Site: MSP Location: Alpha West Size of Survey Area: _____ Proposed Activity: clearing + grading Page 1 of 1
 Survey Start Date: 12/30/11 Survey End Date: 1/1/12 Construction to begin (estimate): 1/1/12

Wildlife Camera	Surveyor	Tracking Medium Set?
	<u>R. Walker</u>	<u>Y</u> <u>(N)</u>
	<u>P. Wood</u>	

	Date	Time	Temp (°F)
Start	<u>12/30/11</u>	<u>1530</u>	<u>66 F</u>
End	<u>1/6/12</u>	<u>1600</u>	<u>64 F</u>

Potential Burrows:

Original Burrow ID (GPS IDENT Code*)	GPS Coordinates for Burrow (NAD 83 Zn 11N)	Original sign observed @	Identify new sign ²	Current Burrow Status ³ (A, PA, S, NS)	Comments (Note burrow characteristics and sign condition [fresh, etc.]. If present, # of animals, age, behavior, etc.) ⁴	Animals observed in photos	Surveys for AB/KF complete	If surveys complete action required? (N=none [presumed inactive], S=scoping, BE=block entrance, BC=burrow collapse, B=buffer)
<u>AMASB001</u>	<u>468612 , 3875110</u>	<u>N/A</u>	<u>digging</u>	<u>PA</u>	<u>Set cameras (2) over 3 days. Photos show use 12/30-1/1 but not after photo of Coyote visiting hole.</u>	<u>KF + coyote</u>	<u>(Y) (N)</u>	<u>(N) S BE BC B</u>
<u>owl. 1/4/11 check cameras again. No photos of KF present. Leave cameras in place. On 1/4 install 1-way gate into hole and leave until 1/6 still in place. No photos for 5 days of KF using hole and so collapse the entry to hole. Complete</u>								
	<u>1</u>						<u>Y N</u>	<u>N S BE BC B</u>
	<u>1</u>						<u>Y N</u>	<u>N S BE BC B</u>
	<u>1</u>						<u>Y N</u>	<u>N S BE BC B</u>

*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., ABBSD001). See last page for nomenclature and codes.
² 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.
³ 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).
⁴ Comments: If WBO are observed, watch them from a distance to observe the # of birds, age (adult or juvenile), behavior, 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): _____ Approved by team leader (initials, date): _____

ATTACHMENT 5
CNDDB FORMS

**THERE ARE NO CNDDDB FORMS FOR
JANUARY 2012 REPORTING PERIOD**

ATTACHMENT 6
WILDLIFE SPECIES DETECTED DURING
JANUARY SURVEYS AND MONITORING

**WILDLIFE SPECIES DETECTED DURING
BIOLOGICAL COMPLIANCE CLEARANCE SURVEYS AND MONITORING
January 2012**

Scientific Name	Common Name
INVERTEBRATES	
<i>Hadrurus arizonensis</i>	Giant hairy scorpion
AMPHIBIANS – None noted	
REPTILES	
<i>Cnemidophorus tigris</i>	Western whiptail lizard
<i>Crotalus scutulatus</i>	Mojave green rattlesnake
<i>Pituophis catenifer</i>	Gopher snake
<i>Sceloporus magister</i>	Spiney lizard
<i>Uta stansburiana</i>	Side-blotched lizard
BIRDS	
<i>Accipiter striatus</i>	Sharp-shinned hawk
<i>Amphispiza belli</i>	Sage sparrow
<i>Anthus rubescens</i>	American pipit
<i>Aquila chrysaetos</i>	Golden eagle
<i>Athene cunicularia hypugaea</i> ²	Western burrowing owl ²
<i>Buteo jamaicensis</i>	Red-tailed hawk
<i>Calcarius lapponicus</i>	Lapland larspur
<i>Callipepla californica</i>	California quail
<i>Carpodacus mexicanus</i>	House finch
<i>Charadrius montanus</i> ²	Mountain plover ²
<i>Charadrius vociferus</i>	Killdeer
<i>Circus cyaneus</i> ²	Northern harrier ²
<i>Cistothorus palustris</i>	Marsh wren
<i>Colaptes auratus</i>	Northern flicker
<i>Corvus corax</i>	Common raven
<i>Eremophila alpestris</i> ²	Horned lark ²
<i>Euphagus cyanocephalus</i>	Brewer's blackbird
<i>Falco columbarius</i>	Merlin
<i>Falco mexicanus</i>	Prairie falcon
<i>Falco sparverius</i>	American kestrel
<i>Gallinago delicata</i>	Wilson's snipe
<i>Lanius ludovicianus</i> ²	Loggerhead shrike ²
<i>Larus californicus</i>	California gull
<i>Passer domesticus</i>	House sparrow
<i>Passerculus sandwichensis</i>	Savannah sparrow
<i>Sayornis nigricans</i>	Black phoebe
<i>Sayornis saya</i>	Say's phoebe
<i>Streptopelia decaocto</i>	Eurasian collared dove

Scientific Name	Common Name
<i>Sturnella neglecta</i>	Western meadowlark
<i>Sturnus vulgaris</i>	European starling
<i>Turdus migratorius</i>	American robin
<i>Tyrannus verticalis</i>	Western kingbird
<i>Tyto alba</i>	Barn owl
<i>Zenaida macroura</i>	Mourning dove
<i>Zonotrichia leucophrys</i>	White-crowned sparrow
MAMMALS	
<i>Ammospermophilus leucurus</i>	Antelope ground squirrel
<i>Canis latrans</i>	Coyote
<i>Dipodomys merriami</i>	Merriam's kangaroo rat
<i>Lepus californica</i>	Black-tailed jackrabbit
<i>Perognathus longimembris</i>	Little pocket mouse
<i>Sylvilagus audubonii</i>	Desert cottontail
<i>Taxidea taxus</i>	American badger
<i>Vulpes macrotis arsipus</i>	Desert kit fox

¹ California Department of Fish and Game watch list

² State species of special concern

³ State threatened

⁴ Federally threatened or protected

ATTACHMENT 7
WILDLIFE OBSERVATION FORMS

WILDLIFE OBSERVATION FORM

To Record Animals Found in Mojave Solar Project Areas

To be filled out by personnel who find active nest sites and burrows, dens and dead or injured wildlife or other biological resources during daily construction or operations activities.

Name of Employee:

Tsegaye Mengistu

Date:

1/3/12

Location of observation:

Beta

Wildlife species: *K. r. a. e.*

Condition of wildlife: Alive Dead

Possible cause of injury or death:

Where is the animal currently?

Placed at similar habitat, BLM land.

Is the resource in danger of project (or other) impacts?

no

Comments:

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife, and vegetation from construction and operations impacts.

DESIGNATED BIOLOGIST

WILDLIFE OBSERVATION FORM

To Record Animals Found in Mojave Solar Project Areas

To be filled out by personnel who find active nest sites and burrows, dens and dead or injured wildlife or other biological resources during daily construction or operations activities.

Name of Employee:

Henry Hill

Date:

01/03/12

Location of observation:

BETA

Wildlife species:

KRAT

Condition of wildlife: Alive

Dead

Possible cause of injury or death:

NA

Where is the animal currently?

RELOCATED OFF SITE

Is the resource in danger of project (or other) impacts?

No

Comments:

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife, and vegetation from construction and operations impacts.

DESIGNATED BIOLOGIST

WILDLIFE OBSERVATION FORM

To Record Animals Found in Mojave Solar Project Areas

To be filled out by personnel who find active nest sites and burrows, dens and dead or injured wildlife or other biological resources during daily construction or operations activities.

Name of Employee:

Healy Hill

Date:

01/05/12

Location of observation:

BETA / ALPHA ~~WEST~~ ^{WA} EAST

Wildlife species:

COTTONTAIL / KRAT

Condition of wildlife: Alive

Dead

Possible cause of injury or death:

WA

Where is the animal currently?

BOTH RELOCATED OFFSITE

Is the resource in danger of project (or other) impacts?

WA

Comments:

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife, and vegetation from construction and operations impacts.

DESIGNATED BIOLOGIST

WILDLIFE OBSERVATION FORM

To Record Animals Found in Mojave Solar Project Areas

To be filled out by personnel who find active nest sites and burrows, dens and dead or injured wildlife or other biological resources during daily construction or operations activities.

Name of Employee:

BMU

Date:

1/6/12

Location of observation:

Harper Lake Rd @ railroad crossing

Wildlife species:

BT Jackrabbit

lockhart rd
Coachwhip

Condition of wildlife:

Alive

Dead

Possible cause of injury or death:

hit by car

killed during tamarisk removal

Where is the animal currently?

buried outside fence

Is the resource in danger of project (or other) impacts?

—

Comments:

—

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife, and vegetation from construction and operations impacts.

DESIGNATED BIOLOGIST

~~1/10/12~~

~~1/10/12~~

~~1/10/12~~

~~1/10/12~~

~~1/10/12~~

~~1/10/12~~

~~1/10/12~~

WILDLIFE OBSERVATION FORM

To Record Animals Found in Mojave Solar Project Areas

To be filled out by personnel who find active nest sites and burrows, dens and dead or injured wildlife or other biological resources during daily construction or operations activities.

Name of Employee:

Holly Hill

Date:

01/06/12

Location of observation:

BETA

Wildlife species:

KKAT

Condition of wildlife: Alive

Dead

Possible cause of injury or death:

NA

Where is the animal currently?

RELOCATED OFFSITE

Is the resource in danger of project (or other) impacts?

NA

Comments:

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife, and vegetation from construction and operations impacts.

DESIGNATED BIOLOGIST

WILDLIFE OBSERVATION FORM

To Record Animals Found in Mojave Solar Project Areas

To be filled out by personnel who find active nest sites and burrows, dens and dead or injured wildlife or other biological resources during daily construction or operations activities.

Name of Employee:

Holly Hill

Date:

01/09/12

Location of observation:

BETA (MOWING)

Wildlife species: POCKET MOUSE

Condition of wildlife: Alive

Dead

Possible cause of injury or death:

NA

Where is the animal currently?

RELOCATED OFFSITE

Is the resource in danger of project (or other) impacts?

NA

Comments:

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife, and vegetation from construction and operations impacts.

DESIGNATED BIOLOGIST

WILDLIFE OBSERVATION FORM

To Record Animals Found in Mojave Solar Project Areas

To be filled out by personnel who find active nest sites and burrows, dens and dead or injured wildlife or other biological resources during daily construction or operations activities.

Name of Employee:

Holly Hall

Date:

01/10/12

Location of observation:

Beta

Wildlife species:

4 KRAT

8 PMica/D.mica

Condition of wildlife: Alive

6 WTR

Dead

① COTTONTAIL - mortality

Possible cause of injury or death:

struck by Bulldozer

Where is the animal currently?

all live animals caught
were relocated offsite

buried offsite

Is the resource in danger of project (or other) impacts?

NA

Comments:

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife, and vegetation from construction and operations impacts.

DESIGNATED BIOLOGIST

WILDLIFE OBSERVATION FORM

To Record Animals Found in Mojave Solar Project Areas

To be filled out by personnel who find active nest sites and burrows, dens and dead or injured wildlife or other biological resources during daily construction or operations activities.

Name of Employee:

Holly Hill

Date:

07/11/12

Location of observation:

ALPHA WEST

Wildlife species:

2 KRATS (Beta)
2 Pocket mice
(AW)

ANTELOPE BIRD SQUIRREL

Condition of wildlife: Alive

Dead

MORTALITY

Possible cause of injury or death:

STRUCK BY BULLDOZER

Where is the animal currently?

LIVE ANIMALS RE-
LOCATED OFFSITE

BURIED OFFSITE

Is the resource in danger of project (or other) impacts?

Comments:

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife, and vegetation from construction and operations impacts.

DESIGNATED BIOLOGIST

WILDLIFE OBSERVATION FORM

To Record Animals Found in Mojave Solar Project Areas

To be filled out by personnel who find active nest sites and burrows, dens and dead or injured wildlife or other biological resources during daily construction or operations activities.

Name of Employee:

Holly Hill

Date:

01/12/12

Location of observation:

ALPHA WEST

Wildlife species: Krat P.M.

2 ANTELOPE GRD SQ. (AGS)

Condition of wildlife: Alive Dead

2 Krat
1 Pocket mouse (PM)

Possible cause of injury or death:

- ① AGS - DISPATCHED; amputated head limb & tail
- ① AGS - Bulldozer strike
- ② KRAT - overnight exposure (likely); cold & rigorized when found (early a.m.)
- ① PM - Bulldozer strike

Where is the animal currently?

ALL LIVE ANIMALS RELOCATED OFFSITE
ALL DEAD BURIED OFFSITE

Is the resource in danger of project (or other) impacts?

NA

Comments:

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife, and vegetation from construction and operations impacts.

DESIGNATED BIOLOGIST

WILDLIFE OBSERVATION FORM

To Record Animals Found in Mojave Solar Project Areas

To be filled out by personnel who find active nest sites and burrows, dens and dead or injured wildlife or other biological resources during daily construction or operations activities.

Name of Employee:

Holly Hill

Date:

01/13/12

Location of observation:

ALPHA WEST

Wildlife species:

UTA

AGS

Condition of wildlife: 2 Alive

1 Dead

Possible cause of injury or death:

BULLDOZER STRIKE

Where is the animal currently?

RELOCATED OFFSITE

BURIED OFFSITE

Is the resource in danger of project (or other) impacts?

NA

Comments:

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife, and vegetation from construction and operations impacts.

DESIGNATED BIOLOGIST

WILDLIFE OBSERVATION FORM

To Record Animals Found in Mojave Solar Project Areas

To be filled out by personnel who find active nest sites and burrows, dens and dead or injured wildlife or other biological resources during daily construction or operations activities.

Name of Employee:

Holly Hall

Date:

01/17/12

Location of observation:

ALPHA WEST

Wildlife species:

ANTELOPE GRD SOURCE
BURIED OFFSITE

Condition of wildlife: Alive

Dead

Possible cause of injury or death:

Where is the animal currently?

Is the resource in danger of project (or other) impacts?

Comments:

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife, and vegetation from construction and operations impacts.

DESIGNATED BIOLOGIST

WILDLIFE OBSERVATION FORM

To Record Animals Found in Mojave Solar Project Areas

To be filled out by personnel who find active nest sites and burrows, dens and dead or injured wildlife or other biological resources during daily construction or operations activities.

Name of Employee: *Tsegaye Mengistu*

Date: *1/18/12*

Location of observation:

Wildlife species:

Condition of wildlife: 2 Alive K.rat ~~*~~ 1 Dead K.rat
~~*~~

Possible cause of injury or death: *D8 run over during grading at beta*

Where is the animal currently? *removed to southern out of project site*
** moved to BLM land southern, out of project site to similar habitat.*

Is the resource in danger of project (or other) impacts? *no*

** no*

Comments:

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife, and vegetation from construction and operations impacts.

DESIGNATED BIOLOGIST *Tsegaye Mengistu*

WILDLIFE OBSERVATION FORM

To Record Animals Found in Mojave Solar Project Areas

To be filled out by personnel who find active nest sites and burrows, dens and dead or injured wildlife or other biological resources during daily construction or operations activities.

Name of Employee: *Tsegaye Mengistu*

Date: *1/19/26*

Location of observation: *Beta*

Wildlife species:

Condition of wildlife: *3* Alive K.rat *** *1* Dead K.rat
*** *1* Dead, side *blatched* *injured*.

Possible cause of injury or death: *scraper run over, during the cut activities*
** Not injured.*

Where is the animal currently? *out of the project site southern.*
** moved to BLM land out of project site southern*

Is the resource in danger of project (or other) impacts? *no*

** no*

Comments:

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife, and vegetation from construction and operations impacts.

DESIGNATED BIOLOGIST *Tsegaye Mengistu*

WILDLIFE OBSERVATION FORM

To Record Animals Found in Mojave Solar Project Areas

To be filled out by personnel who find active nest sites and burrows, dens and dead or injured wildlife or other biological resources during daily construction or operations activities.

Name of Employee:

[Signature]

Date:

1/23/12 Dan

Location of observation:

Beta East - east side

Wildlife species:

Sophor snake - subadult

Condition of wildlife: Alive

Dead

Possible cause of injury or death:

cut in half by scraper during cut/fill

Where is the animal currently?

buried offsite to east of project area.

Is the resource in danger of project (or other) impacts?

yes - dead

Comments:

Originally discovered by Arch who brought to my attention.

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife, and vegetation from construction and operations impacts.

DESIGNATED BIOLOGIST

[Signature]

WILDLIFE OBSERVATION FORM

To Record Animals Found in Mojave Solar Project Areas

To be filled out by personnel who find active nest sites and burrows, dens and dead or injured wildlife or other biological resources during daily construction or operations activities.

Name of Employee:

Holly Hill

Date:

01/24/12

Location of observation:

ALPHA WEST

Wildlife species:

2 KRATS

Condition of wildlife: Alive

Dead

Possible cause of injury or death:

NA

Where is the animal currently?

RELOCATED OFFSITE

Is the resource in danger of project (or other) impacts?

Comments:

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife, and vegetation from construction and operations impacts.

DESIGNATED BIOLOGIST

WILDLIFE OBSERVATION FORM

To Record Animals Found in Mojave Solar Project Areas

To be filled out by personnel who find active nest sites and burrows, dens and dead or injured wildlife or other biological resources during daily construction or operations activities.

Name of Employee:

Holly Hill

Date:

01/25/12

Location of observation:

ALPHA EAST DRAINAGE

Wildlife species: 2 KING SNAKE*
1 GOPHER SNAKE

Condition of wildlife: 3 Alive

① KRAT; ① COTTONTAIL

3 Dead ① JACK RABBIT

Possible cause of injury or death:

- KRAT & COTTONTAIL - BULLDOZER STRIKE
- JACK RABBIT - VEHICLE STRIKE - HARPER LAKE ROAD
- * ① KING SNAKE MORTALLY WOUNDED - RELOCATED LIVE OFFSITE

Where is the animal currently?

ALL DEAD BURIED OFFSITE

LIVE ANIMALS RELOCATED OFFSITE

Is the resource in danger of project (or other) impacts?

NA

Comments:

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife, and vegetation from construction and operations impacts.

DESIGNATED BIOLOGIST

WILDLIFE OBSERVATION FORM

To Record Animals Found in Mojave Solar Project Areas

To be filled out by personnel who find active nest sites and burrows, dens and dead or injured wildlife or other biological resources during daily construction or operations activities.

Name of Employee:

JULIE ROTH

Date:

1/25/2012

Location of observation:

BETA EAST - MASS CUT OPERATION (SOUTH EAST)

Wildlife species: pocket mice; k-rats

Condition of wildlife: 3 Alive (1 k-rat, 2 pocket mice) 2 Dead (1 pocket mouse, 1 k-rat)

Possible cause of injury or death:

Crushing / Severing by scrapers

Where is the animal currently?

Dead ones buried off-site south of DT fence in southeast portion of BETA EAST

Alive ones - released off-site south of DT fence in southeast portion of BETA EAST (~ 1/4 mile south of DT fence)

Is the resource in danger of project (or other) impacts?

NO - relatively small level of mortality relative to species with high reproductive potential in any given year.

Comments:

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife, and vegetation from construction and operations impacts.

DESIGNATED BIOLOGIST

WILDLIFE OBSERVATION FORM

To Record Animals Found in Mojave Solar Project Areas

To be filled out by personnel who find active nest sites and burrows, dens and dead or injured wildlife or other biological resources during daily construction or operations activities.

Name of Employee:

Holly Hall

Date:

01/24/12

Location of observation:

ALPHA EAST / LOCKHART ROAD

Wildlife species: ⑤ KRAT ② SIDEBLUTCH
③ POCKET MOUSE

3 K rat
2 pocket mouse

Condition of wildlife: 14 Alive

6 Dead

+ 1 JACKRABBIT ON HARPER LAKE RD

Possible cause of injury or death:

EXCAVATION for ⑤

ROADKILL - Jackrabbit (HLR)

- Sage sparrow (lockhart)

Where is the animal currently?

ALL LIVE ANIMALS RELOCATED OFFSITE

ALL DEAD " BURIED OFFSITE

Is the resource in danger of project (or other) impacts?

Comments:

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife, and vegetation from construction and operations impacts.

DESIGNATED BIOLOGIST

WILDLIFE OBSERVATION FORM

To Record Animals Found in Mojave Solar Project Areas

To be filled out by personnel who find active nest sites and burrows, dens and dead or injured wildlife or other biological resources during daily construction or operations activities.

Name of Employee:

Holly Hill

Date:

01/28/12

Location of observation:

HARPER LAKE RD - Jackrabbit

BETA (WEST) - all others

Wildlife species:

5[Ⓢ] Dead
② cottontail
① jackrabbit
① pocket mouse
① juv. koat

Condition of wildlife: ___ Alive

Possible cause of injury or death:

MOWING

VEH. STRIKE

Where is the animal currently?

ALL BURIED OFFSITE

Is the resource in danger of project (or other) impacts?

Comments:

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife, and vegetation from construction and operations impacts.

DESIGNATED BIOLOGIST

WILDLIFE OBSERVATION FORM

To Record Animals Found in Mojave Solar Project Areas

To be filled out by personnel who find active nest sites and burrows, dens and dead or injured wildlife or other biological resources during daily construction or operations activities.

Name of Employee: Joseph Huang

Date: 1/25/12

Location of observation: Beta East

Wildlife species: Pocket mouse (alive), side-blotched lizard (alive), kangaroo
Condition of wildlife: Alive Dead Mojave green rattlesnake (dead) Rat (dead)

Possible cause of injury or death:

The 2 dead animals were hit by scrapers

Where is the animal currently?

They are outside project limits.

Is the resource in danger of project (or other) impacts?

No

Comments:

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife, and vegetation from construction and operations impacts.

DESIGNATED BIOLOGIST

WILDLIFE OBSERVATION FORM

To Record Animals Found in Mojave Solar Project Areas

To be filled out by personnel who find active nest sites and burrows, dens and dead or injured wildlife or other biological resources during daily construction or operations activities.

Name of Employee:

Joseph Huang

Date:

1/27/12

Location of observation:

Beta West

Wildlife species: Kangaroo Rat (1 alive & 1 dead)

Condition of wildlife: Alive Dead

Possible cause of injury or death:

Hit by mower

Where is the animal currently?

In Beta West

Is the resource in danger of project (or other) impacts?

Potentially ~~the~~ once they return to work there.

Comments:

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife, and vegetation from construction and operations impacts.

DESIGNATED BIOLOGIST

WILDLIFE OBSERVATION FORM

To Record Animals Found in Mojave Solar Project Areas

To be filled out by personnel who find active nest sites and burrows, dens and dead or injured wildlife or other biological resources during daily construction or operations activities.

Name of Employee:

Joseph Huang

Date:

1/28/12

Location of observation:

Beta West

Wildlife species: Rabbit (2) and Antelope squirrel (2)

Condition of wildlife: Alive Dead

Possible cause of injury or death:

Where is the animal currently?

Still within project limits at Beta West

Is the resource in danger of project (or other) impacts?

Potentially when they begin excavation there.

Comments:

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife, and vegetation from construction and operations impacts.

DESIGNATED BIOLOGIST

WILDLIFE OBSERVATION FORM

To Record Animals Found in Mojave Solar Project Areas

To be filled out by personnel who find active nest sites and burrows, dens and dead or injured wildlife or other biological resources during daily construction or operations activities.

Name of Employee:

Joseph Huang

Date:

1/30/12

Location of observation:

East side of Alpha East

Wildlife species: Pocket mouse (1)

Condition of wildlife: Alive

Dead

Possible cause of injury or death:

Where is the animal currently?

Outside of project limits N of Alpha East

Is the resource in danger of project (or other) impacts?

No

Comments:

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife, and vegetation from construction and operations impacts.

DESIGNATED BIOLOGIST

WILDLIFE OBSERVATION FORM

To Record Animals Found in Mojave Solar Project Areas

To be filled out by personnel who find active nest sites and burrows, dens and dead or injured wildlife or other biological resources during daily construction or operations activities.

Name of Employee:

Holly Hill

Date:

01/30/12

Location of observation:

Lockhart RD [CLEARING]

Wildlife species: Ant. GRD SQUIRREL
 Cottontail Pocket mouse
 KITTEN SIDEBLATCH UZ

Condition of wildlife: 11 Alive

2 Dead ANTELOPE GRD SQUIRREL

Possible cause of injury or death:

TRAUMA - Equip. strike

Where is the animal currently?

ALL LIVE ANIMALS RELOCATED
OFFSITE

ALL DEAD BURIED OFFSITE

Is the resource in danger of project (or other) impacts?

Comments:

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife, and vegetation from construction and operations impacts.

DESIGNATED BIOLOGIST

WILDLIFE OBSERVATION FORM

To Record Animals Found in Mojave Solar Project Areas

To be filled out by personnel who find active nest sites and burrows, dens and dead or injured wildlife or other biological resources during daily construction or operations activities.

Name of Employee:

Joseph Huang

Date:

1/31/12

Location of observation:

Beta East SE corner

Wildlife species: Pocket mouse

Condition of wildlife: Alive

Dead

Possible cause of injury or death:

Scraper hit it

Where is the animal currently?

Outside project limits

Is the resource in danger of project (or other) impacts?

N/A

Comments:

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife, and vegetation from construction and operations impacts.

DESIGNATED BIOLOGIST

**ATTACHMENT 8
PHOTOGRAPHS**



Camera detected American badger in Beta East. 01/19/2012



Camera detected American badger in Beta East. 01/19/2012



Camera detected American badger in Beat East. 01/19/2012



American badger diggings in Beta East. 01/19/2012



Digging up and collapsing badger foraging in Beta East. 01/22/2012



Inspecting badger burrows prior to digging up and collapsing. 01/22/2012



Gopher snake unharmed and salvaged out of demolition area in Alpha West. 01/25/2012



Cut and fill activities in Beta. 01/13/2012

APPENDIX C

**MOJAVE SOLAR PROJECT
MONTHLY COMPLIANCE REPORT FOR
CULTURAL RESOURCES
SAN BERNARDINO COUNTY, CALIFORNIA**

**Monthly Compliance Report #10
January 2012 Reporting Period**



AECOM
1420 Kettner Boulevard
Suite 500
San Diego, CA 92101
www.aecom.com

619.233.1454 tel
619.233.0952 fax

February 9, 2012

Dale Rundquist, CPM
(09-AFC-5C)
California Energy Commission
Siting, Transmission & Environment Protection (STEP) Division
1516 Ninth Street (MS-2000)
Sacramento, CA 95814
drundqui@energy.state.ca.us

RE: CUL-1 and CUL-6 Cultural Resources Monitoring and Mitigation Activities at the Mojave Solar Project (MSP) for the Period of January 2012

Dear Mr. Rundquist:

On behalf of Mojave Solar LLC, AECOM conducted cultural resources monitoring at the Mojave Solar Project (MSP or project) site from January 1 through January 31, 2012, pursuant to the cultural resources conditions detailed in the California Energy Commission's (CEC) Final Conditions of Certification (COCs) (Abengoa Mojave Solar Project Commission Decision, CEC-800-2010-008-CMF, DOCKET NUMBER 09-AFC-5 September 2010). In addition, worker environmental awareness training for biology, paleontology, and cultural resources was held for field monitors and contractor personnel. Up to seven monitoring crews were on-site throughout the month. Monitoring crews consisted of one cultural resources monitor and one Native American monitor working in tandem to observe the ground-disturbing work.

Major ground-disturbing activities occurred in all portions of the project site. Alpha East activities consisted of geotechnical drilling for the installation of foundation piles, vegetation clearing, ACM pipe removal, building demolition, application of soil stabilizer, and trenching activities associated with the water reservoir. Alpha West activities consisted of potholing, ACM and concrete pipe removal, vegetation clearing, and building demolition. Beta East activities consisted of vegetation clearing, cut and fill operations, application of soil stabilizer, and earth balancing work. Vegetation clearing was the only ground-disturbing activity that occurred in Beta West this month. During this period, up to seven sets of monitors (cultural and Native American) were present, depending on the amount of work being done. Cultural resource monitors were Jennifer Bencze, Stephanie Jow, Epie Pius, Laura Marie, Patrick McGinnis, Evan Mills, Robin Mitchell, Brian Spelts, Ross Way, and Max Wolk. Native American monitors were Rebecca Brierty, Steven Brierty, Aaron Cruz, Alisa Contreras, Howie Diaz, Natasha Eagan, David Elliott Jr., David Elliot Sr., Thomas Herrera, David Lara, Justin Linton, Thomas Osuna, and Rachel Smith. Monitors were present during all ground-disturbing activities.

Artifacts were discovered on a number of days in the Alpha East, Beta East, and Beta West portions of the project area where construction activities occurred. The majority of artifacts were found in Beta East; however, several artifacts were also discovered in Alpha East and Alpha West. The recovered artifacts included approximately 20 flakes (10 of which are a part of Mills-001), one piece of shatter, one scraper, two core fragments, one blade, and two pieces of groundstone.

On the afternoon of Friday, January 28, 2012, approximately 10 flakes, one bone fragment, and one tooth were found in the vicinity of each other just outside of the fill area in the Beta East section of the project area by monitors Evan Mills and Tommy Herrera. This resource was temporarily designated Mills-001. The materials were widely dispersed over an area measuring 150 meters long north/south by 40 meters wide east/west. At that time, the resources and the immediate area were flagged off, construction activities were diverted to another location, and CEC and the Bureau of Land

Dale Rundquist, CPM
(09-AFC-5C)
California Energy Commission
February 9, 2012
Page 2

Management (BLM) were notified. The field crew did not feel confident identifying the bone as human or faunal, so AECOM's specialist Wayne Glenn was called to the site on Monday, January 31, 2012. Mr. Glenn determined that the bone was faunal and most likely tortoise. The tooth was identified as belonging to a canid, possibly a dog or coyote. The 10 flakes are all of mostly non-homogeneous cryptocrystalline silicate material. It appears that the flakes came from possibly five different parent materials, but it is difficult to determine with certainty, since there may be a fair amount of variation in color within a single stone core. The elevation for the dispersed lithics is 2,059 feet at the farthest south point, and 2,053 feet at the farthest north point. There were no diagnostic artifacts, midden soil, fire-affected rock, or anything else present that would suggest temporary habitation.

The area of the discovery is a laydown area for fill soil, which is being dumped on top of the ground surface rather than excavated. No further disturbance of the soil will occur beyond dumping of the fill over the area by heavy equipment. It is anticipated that about 2.5 to 5.5 feet of soil will be laid on top of the ground surface. The fill soil is likely to be driven over and compacted during project construction. No excavation activities will be conducted in this area. The location has been subject to much agricultural disturbance, as the land has been used as a cattle range and for growing crops since the 1920s. The depth of the previous disturbance from agricultural use is not certain, but it is approximately 12 inches in depth, give or take 6 inches depending on the equipment that was used. Given that most cultural resources in this part of the Mojave are generally surficial, it would appear that the past agricultural activities have destroyed any integrity that the resource may have had; what once may have been a lithic scatter has been reduced to a collection of isolates with no further research potential. While it is possible that more artifacts could be below the surface, the addition of similar (out of context) artifacts would not provide further research potential or elevate the resource to a level of significance. No further work is recommended due to the lack of integrity and context, and the fact that the resource will be placed under fill.

On February 3, 2012, CEC concurred with the actions recommended by AECOM, and released the area for construction activities to resume.

All artifacts, including Mills-001, were determined to be isolated finds, and the prescribed treatment was conducted. The isolated finds were recorded, collected, and sent to the AECOM laboratory in San Diego for temporary curation. State Department of Parks and Recreation site forms were completed for each of the resources, and will be submitted to the information center at the San Bernardino County Museum.

Sincerely,



Patrick McGinnis
Cultural Resources Specialist

APPENDIX D

**MOJAVE SOLAR PROJECT
MONTHLY COMPLIANCE REPORT FOR
PALEONTOLOGICAL RESOURCES
SAN BERNARDINO COUNTY, CALIFORNIA**

**Monthly Compliance Report #10
January 2012 Reporting Period**



ENVIRONMENTAL CONSULTANTS

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

Mr. Joe Douglas, CPM
(09-AFC-5C)
California Energy Commission
1516 Ninth Street (MS-2000)
Sacramento, CA 95814

February 9, 2012

RE: PAL-5, Summary of paleontological monitoring and mitigation activities at the Mojave Solar Plant (MSP) for the period of January 2012

Dear Mr. Douglas,

This letter is to update you on SWCA Environmental Consultants paleontological monitoring and mitigation activities at the MSP site during the period of January 1 through January 31, 2012. SWCA's Paleontological Resources Monitor was onsite full-time monitoring drilling operations in the Alpha East site and mass grading operations in the Beta East site. All monitoring activities occurred in Quaternary alluvium.

During the course of monitoring, SWCA's paleontologists discovered and recorded several invertebrate fossil localities yielding poorly to moderately preserved bivalves and gastropods. Invertebrate fossils such as these are commonly found in the desert regions in southern California. Additionally, several bulk matrix samples were collected and dry screened onsite. No additional fossils were discovered as a result of screening. In summary, in December several Pleistocene bivalves and gastropods 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, appearing to read "Cara Corsetti".

Cara Corsetti, M.S.
Principal
Paleontological Resources Specialist, MSP

Appendix E

Waste Management

Soil and Water

General Conditions

Civil

Structural

Transmission System Engineering

Subject: Mojave Solar Project (09-AFC-5C)
Condition No.: Compliance-6
Description: January 2012 Monthly Compliance Report

February 13, 2012

Mr. Dale Rundquist, CPM
California Energy Commission
1516 Ninth Street (MS-2000)
Sacramento, CA 95814
DRundquist@energy.state.ca.us

Dear Mr. Rundquist,

As required by the California Energy Commission and more specifically by Condition of Certification COMPLIANCE-6, attached please find an update to the following Conditions of Certification:

WASTE-8: Removal of all known asbestos-containing materials from existing structures and removal of all known asbestos-containing pipe from the site was completed on 01/27/12.

SOIL&WATER-1: An additional 2,500 linear feet (6,500 lf total for project) of straw rolls and 2,500 lf (5,000 lf total) of new swale have been installed at all low points on the site where vegetation has been disturbed. These BMP's have been effective in preventing sediment run off from the site.

The stabilized construction entrances continue to be effective in preventing dirt and mud from being tracked from the site onto Harper Lake Road. Street sweeping of Harper Lake Road is occurring on a regular basis as a means of good housekeeping. A new stabilized entrance has been added in beta east.

Miguel Hernandez (recently approved Resident Engineer delegate) will monitor and report on the effectiveness of the BMP's. His initial report is attached.

GEN-2: Updated master Drawing/Spec lists are available for all disciplines. Please see attachments.

GEN-4: Miguel Hernandez was submitted as a Resident Engineer delegate. His resume was submitted to the CBO on 1/11/12 and approved on 1/13/12. Please see attachments.

ABENER TEYMA MOJAVE

13911 Park Avenue, Suite 208
Victorville, CA 92392
Phone: 480-287-1419

GEN-6: The qualifications for three special inspectors from Premier Testing and Inspection, Inc. (PTI) have been submitted and approved by the CBO. Please see attachments.

CIVIL-1: Solar Collector Assembly Building plans (CIVIL-1-11.00) were approved by the CBO on 01/19/12.

STRUC-1: Solar Collector Foundation working point drawings for North Alpha East (STRUC-1-1.00X5) were approved by the CBO on 01/09/12. Solar Collector Foundation working point drawings for Middle Alpha East (STRUC-1-1-00X6) were approved by the CBO on 01/09/12. Please see attachments.

TSE-2: The resume for Mohamad (Mike) Alhalabi, P.E. was submitted to the CBO on 01/30/12 for the position of site Mechanical Engineer.

Should you have any questions or need any additional information, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Steven Pochmara". The signature is fluid and cursive, with a long horizontal stroke at the end.

Steven Pochmara
TEYMA USA INC.
13911 Park Avenue, Suite 208
Victorville, CA 92392
Cell: (480) 287-1419

Attachment H

Storm Water Quality Construction Site Inspection Checklist

GENERAL INFORMATION			
Project Name	MOJAVE SOLAR PROJECT		
Project N°			
Contractor	AGENERTEYMA		
Inspector's Name	ISAAC VALLEJO		
Inspector's Title	CIVIL SITE SUPERVISOR		
Signature	<i>[Signature]</i>		
Date of Inspection	2/6/2012		
Inspection Type (Check Applicable)	<input checked="" type="checkbox"/> Prior to forecast rain	<input type="checkbox"/> After a rain event	
	<input type="checkbox"/> 24-hr intervals during extended rain	<input type="checkbox"/> Other _____	
Season (Check Applicable)	<input checked="" type="checkbox"/> Rainy		<input type="checkbox"/> Non-Rainy
	Storm Start Date & Time: 2/7/12 @ 10AM		Storm Duration (hrs): 2/7 @ 10AM TO 2/8 @ 1AM
Storm Data	Time elapsed since last storm (Circle Applicable Units)	1/23/12 Min. Hr. <u>14</u> Days	Approximate Rainfall Amount (inches) 0 in on 1/23/12

SEE PRINTED REPORTS ATTACHED

PROJECT AREA SUMMARY AND DISTURBED SOIL AREA (DSA) SIZE	
Total Project Area	<u>1765</u> Acres
Field Estimate of Active DSAs	<u>160</u> Acres
Field Estimate of Non-Active DSAs	<u>1605</u> Acres

Attachment H
Storm Water Quality Construction Inspection Checklist

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action
Preservation of Existing Vegetation			X	
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?				
Location:				
Erosion Control				
Does the applied temporary erosion control provide 100% coverage for the affected areas?	X			LDC (1)
Are any non-vegetated areas that may require temporary erosion control?	X			FIBER ROLLS TO BE PLACED AS CHECK DAMS. LOC (2)
Is the area where erosion controls are used required free from visible erosion?		X		
Location: NORTH SIDE OF ALPHA EAST (1)				
Location: NORTH END OF ALPHA CHANNEL (2)				
Location: SOUTH EAST SECTION OF BETA EAST				DIRT SHOULDER PLACED IN ACTIVE WORK AREA
Location:				
Temporary Linear Sediment Barriers (Silt Fence, Fiber Rolls, Sandbag Barriers, etc.)				
Are temporary linear sediment barriers properly installed, functional and maintained?	X			
Are temporary linear sediment barriers free of accumulated litter?	X			
Is the built-up sediment less than 1/3 the height of the barrier?	X			
Are cross barriers installed where necessary and properly spaced?			X	
Location: NORTH SIDE OF ALPHA EAST				
Location: NORTH END OF ALPHA CHANNEL				
Location: SOUTH EAST SECTION OF BETA EAST				
Location:				
Location:				
Storm Drain Inlet Protection			X	
Are storm drain inlets internal to the project properly protected?				
Are storm drain inlet protection devices in working order and being properly maintained?				
Location:				
Sediment Basins				

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action
Are basins designed in accordance with the requirements of the General Permit?	X			
Are basins maintained to provide the required retention/detention?	X			
Are basin controls (inlets, outlets, diversions, weirs, spillways, and racks) in working order?	X			
Location: ALPHA EAST	X			
Location: BETA EAST	X			
Location:				
Location:				
Stockpiles				
Are all locations of temporary stockpiles, including soil, hazardous waste, and construction materials in approved areas?	X			
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?	X			
Are stockpiles located at least 15 m from concentrated flows, downstream drainage courses and storm drain inlets?		X		NEED TO MOVE PILES OVER TO ALPHA EAST CHANNEL
Are required covers and/or perimeter controls in place?	X			
Location:				
Concentrated Flows				
Are concentrated flow paths free of visible erosion?			X	
Location:				
Tracking Control				
Is the entrance stabilized to prevent tracking	X			
Is the stabilized entrance inspected daily to ensure that it is working properly	X			
Are points of ingress/egress to public/private roads inspected and swept and vacuumed as needed?	X			
Are all paved areas free of visible sediment tracking or other particulate matter?	X			
Location: ALPHA EAST ENTRANCE				
Location: ALPHA WEST ENTRANCE				
Location:				
Location:				
Wind Erosion Control				
Is dust control implemented?	X			DUST CONTROL MONITORING OF WATER TRUCKS & SOIL STABILIZED

Attachment H
Storm Water Quality Construction Inspection Checklist

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action
Location: THROUGH OUT ENTIRE SITE				
Location:				
Location:				
Location:				
Dewatering Operations			X	
Are all one-time dewatering operations covered by the General Permit inspected before and as they occur and BMPs implemented as necessary during discharge?				
Is ground water dewatering handled in conformance with the dewatering permit issued by the RWQCB?				
Is required treatment provided for dewatering effluent?				
Location:				
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?	X			
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?	X			PLASTIC LAID DOWN
If no, are drip pans used?				
Are dedicated fueling, cleaning, and maintenance areas located at least 15 m away from downstream drainage facilities and watercourses and protected from run-on and runoff?	X			
Is wash water contained for infiltration/ evaporation and disposed of appropriately?			X	
Is on-site cleaning limited to washing with water (no soap, soaps substitutes, solvents, or steam)?			X	
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?	X			
Location: THROUGH OUT PROJECT SITE				
Location:				
Location:				
Location:				
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 15 m from concentrated flows and downstream drainage facilities?	X			
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?	X			
Are liquid materials, hazardous materials, and hazardous wastes stored in temporary containment facilities?	X			
Are bagged and boxed materials stored on pallets?	X			

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action
Are hazardous materials and wastes stored in appropriate, labeled containers?	X			
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?	X			
Are temporary containment facilities free of spills and rainwater?	X			
Are temporary containment facilities and bagged/boxed materials covered?	X			
Are temporary concrete washout facilities designated and being used?	X			
Are temporary concrete washout facilities functional for receiving and containing concrete waste and are concrete residues prevented from entering the drainage system?	X			
Do temporary concrete washout facilities provide sufficient volume and freeboard for planned concrete operations?	X			
Are concrete wastes, including residues from cutting and grinding, contained and disposed of off-site or in concrete washout facilities?	Y			
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?	Y			NONE SPILLED ON SOIL
Is the site free of litter?	X			
Are trash receptacles provided in the yard, field trailer areas, and at locations where workers congregate for lunch and break periods?	X			
Is litter from work areas collected and placed in watertight dumpsters?	X			
Are waste management receptacles free of leaks?	X			
Are the contents of waste management receptacles properly protected from contact with storm water or from being dislodged by winds?	X			
Are waste management receptacles filled at or beyond capacity?		X		ALWAYS KEPT BELOW CAPACITY
Location:				
Temporary Water Body Crossing or Encroachment			X	
Are temporary water body crossings and encroachments constructed appropriately?				
Does the project conform to the requirements of the 404 permit and/or 1601 agreement?				
Location:				
Illicit Connection/ Discharge				
Is there any evidence of illicit discharges or illegal dumping on the project site?				
If yes, has the Owner/Operator been notified?				

Attachment H
Storm Water Quality Construction Inspection Checklist

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action
Location:				
Discharge Points				
Are discharge points and discharge flows free from visible pollutants?	X			
Are discharge points free of any significant sediment transport?	X			
Location:				
SWPPP Update				
Does the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?	X			
Are all BMPs shown on the water pollution control drawings installed in the proper location(s) and according to the details in the SWPPP?	X			
Location:				
General				
Are there any other potential concerns at the site?		X		
Location:				
Storm Water Monitoring				
Does storm water discharge directly to a water body listed in the General Permit as impaired for sediment/sedimentation or turbidity?		X		
If yes, were samples for sediment/sedimentation or turbidity collected pursuant to the sampling and analysis plan in the SWPPP?			X	
Did the sampling results indicate that the discharges are causing or contributing to further impairment?			X	
If yes, were the erosion/sediment control BMPs improved or maintained to reduce the discharge of sediment to the water body?			X	
Were there any BMPs not properly implemented or breaches, malfunctions, leakages or spills observed which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?			X	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?			X	
If sampling indicated pollution of the storm water, were the leaks, breaches, spills, etc. cleaned up and the contaminated soil properly disposed of?			X	
Were the BMPs maintained or replaced?	X			THROUGH OUT PROJECT
Were soil amendments (e.g., gypsum, lime) used on the project?		X		
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?			X	
If sampling indicated pollution of the storm water by the use of the soil amendments, is there a contingency plan for retention onsite of the polluted storm water?			X	
Did storm water contact stored materials or waste and run off the construction site? (Materials not in watertight containers, etc.)		X		
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?			X	

Hinkley, CA

Lat: 34.9° N Lon: 117.2° W Elev: 2169 ft 4:06 PM PST on February 06, 2012 (GMT -0800)

Rapid Fire Updates™ Updated 20 sec ago Make this Location a Weather Sticker® Share: Like

Tropical Weather: Invest 90 (North Atlantic) Tropical Cyclone Jasmine (Southern Pacific)
Tropical Cyclone Eleven (Southern Pacific)

Hinkley Weather at a Glance

Weather Station - report Elevation
Lenwood Road, Barstow 2247 ft

Now	Temperature	Wind(mph)	Sunrise / Set	Moon
 Clear	58.6 °F Feels Like 58.6 °F	6.0	6:43 AM 5:22 PM	Waxing Gibbous More Astronomy

Tonight	Tomorrow	Tomorrow Night	Wednesday	Thursday	Friday
 43 °F	 54 °F	 38 °F	 58 36 °F	 65 38 °F	 67 40 °F
Partly Cloudy	Chance of Rain 20% chance of precipitation	Chance of Rain 40% chance of precipitation	Partly Cloudy	Clear	Clear

Tomorrow is forecast to be **Much Cooler** than today.

7-Day Weather Forecast - Hourly Forecast

Current Data	Today's Almanac	Extended Forecast	Radar	Satellite	Webcams
---------------------	-----------------	-------------------	--------------	-----------	---------

Conditions	Temperature
Pressure 29.97 in	Temperature 58.6 °F
Visibility 10.0 miles	Dew Point 10 °F
Clouds Clear -	Wind
Moisture	Speed / Dir 6.0 mph from NE
Humidity 14%	Wind Gust 10.0 mph
Rainfall 0.00 in	Health
Snow Depth Not available.	UV 1 out of 16
METAR	Pollen 8.30 out of 12 Pollen Forecast
METAR KDAG 062350Z AUTO 07006KT 10SM CLR 15/M08 A3003 RMK AO2 SLP166 T01501083 10156 20100 56016 TSNO	Ozone Good
Don't speak METAR? Read our FAQ.	Flu Activity Regional View Flu Map



Local Radar

Regional Radar

WunderMap®

Weather Radio

Launch Weather Radio

All our weather data, now at your fingertips. Download our new iPhone and Android apps here:





Forecast

7-Day Weather Forecast for 92347

[View Calendar](#)

Monday, 6	Tuesday, 7	Wednesday, 8	Thursday, 9	Friday, 10
 62 43 °F Partly Cloudy	 54 38 °F Chance of Rain	 58 36 °F Partly Cloudy	 65 38 °F Clear	 67 40 °F Clear
0% Chance of Precipitation	20% Chance of Precipitation	10% Chance of Precipitation	0% Chance of Precipitation	0% Chance of Precipitation

Regional Forecast for Western Mojave Desert

Source: NWS at 2:10 PM PST on February 6, 2012

Tonight

 Mostly cloudy. Lows 37 to 42. Winds generally light.

Hourly Forecast	6AM	12 Noon	6PM	12 Midnight
Temp. Dew Point	33 18	55 17	54 12	48 14
Wind	1 mph ENE	4 mph North	5 mph East	2 mph ESE
Humidity	54%	23%	18%	24%
Chance of Precip.	0%	0%	0%	0%
Cloud Cover	36%	42%	49%	55%
Conditions	Partly Cloudy	Partly Cloudy	Partly Cloudy	Partly Cloudy
Sunrise & Sunset	6:43 AM		5:22 PM	

[View Detailed Hourly Forecast](#)

Source: National Digital Forecast Database

[BestForecast \(what's this?\)](#)

Scientific Forecaster Discussion — MOS Weather Graph

Nearby

[Maps & Radar](#)

Hourly Forecast for Monday

Barstow, California (NDFD)

Forecast data from the National Digital Forecast Database

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
1 AM	4 AM	7 AM	10 AM	1 PM	4 PM	7 PM	10 PM
Temperature / Dew Point (°F):							
45 / 16	43 / 16	43 / 18	54 / 18	58 / 13	58 / 11	54 / 13	52 / 13
Humidity (%):							
30%	33%	36%	24%	16%	14%	18%	22%
Pressure (in):							
-	-	-	-	-	-	-	-
Wind (mph):							
							
5 mph NNW (340°)	5 mph NNW (340°)	4 mph WNW (290°)	5 mph NNW (330°)	5 mph NE (40°)	5 mph ENE (70°)	0 mph ESE (110°)	0 mph ESE (120°)
Conditions:							
							
Clear	Partly Cloudy	Partly Cloudy	Partly Cloudy				
Probability of Precipitation (%):							
0%	0%	0%	0%	0%	0%	0%	0%
Cloud Cover (%):							
25%	38%	38%	43%	43%	50%	50%	52%

[View Current Conditions](#)

Extended Forecast for ZIP Code 92310

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
							
60 49 °F	56 45 °F	58 45 °F	65 45 °F	65 47 °F	65 45 °F	65 45 °F	63 NA

Hourly Forecast for Tuesday

Hinkley, California (NDFD)

Forecast data from the National Digital Forecast Database

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
1 AM	4 AM	7 AM	10 AM	1 PM	4 PM	7 PM	10 PM
Temperature / Dew Point (°F):							
47 / 14	45 / 16	43 / 18	49 / 18	54 / 14	52 / 16	47 / 16	43 / 20
Humidity (%):							
25%	31%	34%	29%	21%	22%	29%	37%
Pressure (in):							
-	-	-	-	-	-	-	-
Wind (mph):							
2 mph ENE (70°)	2 mph East (80°)	0 mph East (80°)	4 mph NNE (30°)	7 mph East (80°)	6 mph East (100°)	6 mph East (100°)	1 mph North (350°)
Conditions:							
Partly Cloudy	Partly Cloudy	Partly Cloudy	Chance of Rain	Chance of Rain	Chance of Rain	Chance of Rain	Chance of Rain
Probability of Precipitation (%):							
0%	0%	20%	20%	20%	20%	40%	40%
Cloud Cover (%):							
55%	67%	67%	74%	74%	80%	80%	78%

[View Current Conditions](#)

Extended Forecast for ZIP Code 92347

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
62 43 °F	54 38 °F	58 36 °F	65 38 °F	67 40 °F	65 38 °F	65 38 °F	63 NA

Hourly Forecast for Wednesday

Hinkley, California (NDFD)

Forecast data from the National Digital Forecast Database

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
1 AM	4 AM	7 AM	10 AM	1 PM	4 PM	7 PM	10 PM
Temperature / Dew Point (°F):							
40 / 22	38 / 25	38 / 27	49 / 29	56 / 18	56 / 18	47 / 16	45 / 18
Humidity (%):							
48%	59%	66%	46%	21%	21%	28%	35%
Pressure (in):							
-	-	-	-	-	-	-	-
Wind (mph):							
 1 mph North (350°)	 2 mph West (260°)	 2 mph West (260°)	 6 mph North (350°)	 6 mph North (350°)	 6 mph NE (50°)	 6 mph NE (50°)	 1 mph North (350°)
Conditions:							
 Chance of Rain	 Partly Cloudy	 Partly Cloudy	 Partly Cloudy	 Partly Cloudy	 Clear	 Clear	 Clear
Probability of Precipitation (%):							
40%	40%	10%	10%	10%	10%	0%	0%
Cloud Cover (%):							
78%	49%	49%	45%	45%	18%	18%	18%

[View Current Conditions](#)

Extended Forecast for ZIP Code 92347

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
 62 43 °F	 54 38 °F	 58 36 °F	 65 38 °F	 67 40 °F	 65 38 °F	 65 38 °F	 63 NA

ABENER TEYMA MOJAVE

Compliance No.: GEN-2

Job : Mojave Solar Project

Date: 8/12/11 Description: Civil Master Drawing List

Sheet No.	Description	Applicable Condition of Certification	Vendor Supplied or EOR	Submittal Date	Reason for Submittal
	Site Plan	GEN-2	EOR	8/26/2011	Approval
1	Temporary Tortoise Exclusion Fencing Plan - Sheet Index and Key Map	CIVIL - 1	EOR	3/2/2011	Approval
2	Temporary Tortoise Exclusion Fencing Plan - Enlarged Plan	CIVIL - 1	EOR	3/2/2011	Approval
3	Temporary Tortoise Exclusion Fencing Plan - Enlarged Plan	CIVIL - 1	EOR	3/2/2011	Approval
4	Temporary Tortoise Exclusion Fencing Plan - Enlarged Plan	CIVIL - 1	EOR	3/2/2011	Approval
5	Temporary Tortoise Exclusion Fencing Plan - Fence Details	CIVIL - 1	EOR	3/2/2011	Approval
1	Construction Plans Cover Sheet	CIVIL - 1	EOR	8/10/2011	Approval
2	Sheet Index	CIVIL - 1	EOR	8/10/2011	Approval
3	General Notes, Legend and Abbreviations	CIVIL - 1	EOR	8/10/2011	Approval
4	Solar Field Grading and Drainage - Kay Map and Notes	CIVIL - 1	EOR	8/10/2011	Approval
5	Alpha West - Solar Field Retention Basins Details	CIVIL - 1	EOR	8/10/2011	Approval
6	Alpha East - Solar Field Retention Basins Details	CIVIL - 1	EOR	8/10/2011	Approval
7	Beta West - Solar Field Retention Basins Details	CIVIL - 1	EOR	8/10/2011	Approval
8	Beta East - Solar Field Retention Basins Details	CIVIL - 1	EOR	8/10/2011	Approval
9	Alpha West Solar Field Grading and Drainage - Plan A1	CIVIL - 1	EOR	8/10/2011	Approval
10	Alpha West Solar Field Grading and Drainage - Plan A2	CIVIL - 1	EOR	8/10/2011	Approval
11	Alpha East Solar Field Grading and Drainage - Plan A3	CIVIL - 1	EOR	8/10/2011	Approval
12	Alpha West Solar Field Grading and Drainage - Plan B1	CIVIL - 1	EOR	8/10/2011	Approval
13	Alpha West Solar Field Grading and Drainage - Plan B2	CIVIL - 1	EOR	8/10/2011	Approval
14	Alpha West Solar Field Grading and Drainage - Plan B3W	CIVIL - 1	EOR	8/10/2011	Approval
15	Alpha East Solar Field Grading and Drainage - Plan B3E	CIVIL - 1	EOR	8/10/2011	Approval
16	Alpha East Solar Field Grading and Drainage - Plan B4	CIVIL - 1	EOR	8/10/2011	Approval
17	Alpha East Solar Field Grading and Drainage - Plan B5	CIVIL - 1	EOR	8/10/2011	Approval
18	Alpha East Solar Field Grading and Drainage - Plan B6	CIVIL - 1	EOR	8/10/2011	Approval
19	Alpha West Solar Field Grading and Drainage - Plan C1	CIVIL - 1	EOR	8/10/2011	Approval
20	Alpha West Solar Field Grading and Drainage - Plan C2	CIVIL - 1	EOR	8/10/2011	Approval
21	Alpha West Solar Field Grading and Drainage - Plan C3W	CIVIL - 1	EOR	8/10/2011	Approval
22	Alpha East Solar Field Grading and Drainage - Plan C3E	CIVIL - 1	EOR	8/10/2011	Approval
23	Alpha East Solar Field Grading and Drainage - Plan C4	CIVIL - 1	EOR	8/10/2011	Approval
24	Alpha East Solar Field Grading and Drainage - Plan C5	CIVIL - 1	EOR	8/10/2011	Approval
25	Alpha East Solar Field Grading and Drainage - Plan C6	CIVIL - 1	EOR	8/10/2011	Approval
26	Beta West Solar Field Grading and Drainage - Plan D4	CIVIL - 1	EOR	8/10/2011	Approval
27	Beta West/East Solar Field Grading and Drainage - Plan D5	CIVIL - 1	EOR	8/10/2011	Approval
28	Beta East Solar Field Grading and Drainage - Plan D6	CIVIL - 1	EOR	8/10/2011	Approval
29	Beta East Solar Field Grading and Drainage - Plan D7	CIVIL - 1	EOR	8/10/2011	Approval
30	Beta West Solar Field Grading and Drainage - Plan E4	CIVIL - 1	EOR	8/10/2011	Approval
31	Beta West/East Solar Field Grading and Drainage - Plan E5	CIVIL - 1	EOR	8/10/2011	Approval
32	Beta East Solar Field Grading and Drainage - Plan E6	CIVIL - 1	EOR	8/10/2011	Approval
33	Beta East Solar Field Grading and Drainage - Plan E7	CIVIL - 1	EOR	8/10/2011	Approval
34	Beta East Solar Field Grading and Drainage - Plan F5	CIVIL - 1	EOR	8/10/2011	Approval
35	Beta East Solar Field Grading and Drainage - Plan F6	CIVIL - 1	EOR	8/10/2011	Approval
36	Beta East Solar Field Grading and Drainage - Plan F7	CIVIL - 1	EOR	8/10/2011	Approval
37	Alpha/Beta Power Island Paving, Grading and Drainage - Key Map and Notes	CIVIL - 1	EOR	8/10/2011	Approval
38	Alpha Power Island Paving, Grading and Drainage Details	CIVIL - 1	EOR	8/10/2011	Approval
39	South Alpha Power Island Paving, Grading and Drainage Plan	CIVIL - 1	EOR	8/10/2011	Approval
40	North Alpha Power Island Paving, Grading and Drainage Plan	CIVIL - 1	EOR	8/10/2011	Approval
41	South Beta Power Island Paving, Grading and Drainage Plan	CIVIL - 1	EOR	8/10/2011	Approval
42	North Beta Power Island Paving, Grading and Drainage Plan	CIVIL - 1	EOR	8/10/2011	Approval
43	Channels - Key Map and Notes	CIVIL - 1	EOR	8/10/2011	Approval
44	Channels - Typical Sections I	CIVIL - 1	EOR	8/10/2011	Approval
45	Channels - Typical Sections II	CIVIL - 1	EOR	8/10/2011	Approval
46	Channels - Typical Sections III	CIVIL - 1	EOR	8/10/2011	Approval
47	Channels - Typical Sections IV	CIVIL - 1	EOR	8/10/2011	Approval
48	Channels - Typical Sections V	CIVIL - 1	EOR	8/10/2011	Approval
49	Channels - Typical Sections VI	CIVIL - 1	EOR	8/10/2011	Approval
50	Lockhart Channel Plan-Profile - Sta 10+00 to 21+00	CIVIL - 1	EOR	8/10/2011	Approval
51	Lockhart Channel Plan-Profile - Sta 21+00 to 32+50	CIVIL - 1	EOR	8/10/2011	Approval
52	Lockhart Channel Plan-Profile - Sta 32+50 to 44+00	CIVIL - 1	EOR	8/10/2011	Approval
53	Lockhart Channel Plan-Profile - Sta 44+00 to 55+50	CIVIL - 1	EOR	8/10/2011	Approval
54	Lockhart Channel Plan-Profile - Sta 55+50 to 67+00	CIVIL - 1	EOR	8/10/2011	Approval
55	Lockhart Channel Plan-Profile - Sta 67+00 to 78+50	CIVIL - 1	EOR	8/10/2011	Approval
56	Lockhart Channel Plan-Profile - Sta 78+50 to 90+00	CIVIL - 1	EOR	8/10/2011	Approval
57	Lockhart Channel Plan-Profile - Sta 90+00 to 101+50	CIVIL - 1	EOR	8/10/2011	Approval
58	Lockhart Channel Plan-Profile - Sta 101+50 to 113+00	CIVIL - 1	EOR	8/10/2011	Approval

ABENER TEYMA MOJAVE

Compliance No.: GEN-2

Job : Mojave Solar Project

Date: 8/12/11 Description: Civil Master Drawing List

Sheet No.	Description	Applicable Condition of Certification	Vendor Supplied or EOR	Submittal Date	Reason for Submittal
59	Lockhart Channel Plan-Profile - Sta 113+00 to 124+50	CIVIL - 1	EOR	8/10/2011	Approval
60	Lockhart Channel Plan-Profile - Sta 124+50 to 135+00	CIVIL - 1	EOR	8/10/2011	Approval
61	Lockhart Channel Plan-Profile - Sta 135+00 to 146+50	CIVIL - 1	EOR	8/10/2011	Approval
62	Lockhart Channel Plan-Profile - Sta 146+50 to 148+00	CIVIL - 1	EOR	8/10/2011	Approval
63	West Alpha Channel Plan-Profile - Sta 10+00 to 21+00	CIVIL - 1	EOR	8/10/2011	Approval
64	West Alpha Channel Plan-Profile - Sta 21+00 to 32+50	CIVIL - 1	EOR	8/10/2011	Approval
65	West Alpha Channel Plan-Profile - Sta 32+50 to 44+00	CIVIL - 1	EOR	8/10/2011	Approval
66	West Alpha Channel Plan-Profile - Sta 44+00 to 55+00	CIVIL - 1	EOR	8/10/2011	Approval
67	West Alpha Channel Plan-Profile - Sta 55+00 to 66+50	CIVIL - 1	EOR	8/10/2011	Approval
68	West Alpha Channel Plan-Profile - Sta 66+50 to 78+00	CIVIL - 1	EOR	8/10/2011	Approval
69	West Alpha Channel Plan-Profile - Sta 78+00 to 88+00	CIVIL - 1	EOR	8/10/2011	Approval
70	West Alpha Channel Plan-Profile - Sta 88+00 to 98+00	CIVIL - 1	EOR	8/10/2011	Approval
71	Main Beta Channel Plan-Profile - Sta 10+00 to 21+00	CIVIL - 1	EOR	8/10/2011	Approval
72	Main Beta Channel Plan-Profile - Sta 21+00 to 32+50	CIVIL - 1	EOR	8/10/2011	Approval
73	Main Beta Channel Plan-Profile - Sta 32+50 to 43+50	CIVIL - 1	EOR	8/10/2011	Approval
74	Main Beta Channel Plan-Profile - Sta 43+50 to 55+00	CIVIL - 1	EOR	8/10/2011	Approval
75	Main Beta Channel Plan-Profile - Sta 55+00 to 66+50	CIVIL - 1	EOR	8/10/2011	Approval
76	Main Beta Channel Plan-Profile - Sta 66+50 to 78+00	CIVIL - 1	EOR	8/10/2011	Approval
77	Main Beta Channel Plan-Profile - Sta 78+00 to 88+65.52	CIVIL - 1	EOR	8/10/2011	Approval
78	East Beta Channel Plan-Profile - Sta 10+00 to 21+00	CIVIL - 1	EOR	8/10/2011	Approval
79	East Beta Channel Plan-Profile - Sta 21+00 to 32+50	CIVIL - 1	EOR	8/10/2011	Approval
80	East Beta Channel Plan-Profile - Sta 32+50 to 44+00	CIVIL - 1	EOR	8/10/2011	Approval
81	East Beta Channel Plan-Profile - Sta 44+00 to 55+50	CIVIL - 1	EOR	8/10/2011	Approval
82	East Beta Channel Plan-Profile - Sta 55+50 to 66+69.76	CIVIL - 1	EOR	8/10/2011	Approval
83	South Beta Channel Plan-Profile - Sta 10+00 to 21+00	CIVIL - 1	EOR	8/10/2011	Approval
84	South Beta Channel Plan-Profile - Sta 21+00 to 32+50	CIVIL - 1	EOR	8/10/2011	Approval
85	South Beta Channel Plan-Profile - Sta 32+50 to 38+10.23	CIVIL - 1	EOR	8/10/2011	Approval
86	West Beta Channel Plan-Profile - Sta 10+00 to 21+00	CIVIL - 1	EOR	8/10/2011	Approval
87	West Beta Channel Plan-Profile - Sta 21+00 to 32+50	CIVIL - 1	EOR	8/10/2011	Approval
88	West Beta Channel Plan-Profile - Sta 32+50 to 37+80.68	CIVIL - 1	EOR	8/10/2011	Approval
89	Harper Lake Rd Culvert - Details I	CIVIL - 1	EOR	8/10/2011	Approval
90	Harper Lake Rd Culvert - Details II	CIVIL - 1	EOR	8/10/2011	Approval
91	Lockhart Rd West Culvert - Details I	CIVIL - 1	EOR	8/10/2011	Approval
92	Lockhart Rd West Culvert - Details II	CIVIL - 1	EOR	8/10/2011	Approval
93	Lockhart Rd East Culvert - Details I	CIVIL - 1	EOR	8/10/2011	Approval
94	Lockhart Rd East Culvert - Details II	CIVIL - 1	EOR	8/10/2011	Approval
95	Fencing Plan - Key Map and Notes	CIVIL - 1	EOR	8/10/2011	Approval
96	Fencing Plan - Details I	CIVIL - 1	EOR	8/10/2011	Approval
97	Fencing Plan - Details II	CIVIL - 1	EOR	8/10/2011	Approval
98	Alpha West Fencing Plan	CIVIL - 1	EOR	8/10/2011	Approval
99	Alpha East Fencing Plan	CIVIL - 1	EOR	8/10/2011	Approval
100	Beta East/West Fencing Plan	CIVIL - 1	EOR	8/10/2011	Approval
G001	Electrical Grounding Details	CIVIL - 1	EOR	8/10/2011	Approval
G002	Electrical Grounding Details	CIVIL - 1	EOR	8/10/2011	Approval
G010	Fence Grounding Plan Alpha Site	CIVIL - 1	EOR	8/10/2011	Approval
G011	Fence Grounding Plan Alpha/Beta Site	CIVIL - 1	EOR	8/10/2011	Approval
G012	Fence Grounding Plan Beta Site	CIVIL - 1	EOR	8/10/2011	Approval
101	Demolition - Key Map and Notes	CIVIL - 1	EOR	8/10/2011	Approval
102	Demolition - Plan Sheet 1	CIVIL - 1	EOR	8/10/2011	Approval
103	Demolition - Plan Sheet 2	CIVIL - 1	EOR	8/10/2011	Approval
104	Demolition - Plan Sheet 3	CIVIL - 1	EOR	8/10/2011	Approval
105	Demolition - Details A and B	CIVIL - 1	EOR	8/10/2011	Approval
106	Demolition - Details C and D	CIVIL - 1	EOR	8/10/2011	Approval
107	Demolition - Details E	CIVIL - 1	EOR	8/10/2011	Approval
108	Demolition - Details F	CIVIL - 1	EOR	8/10/2011	Approval
109	Demolition - Details G and H	CIVIL - 1	EOR	8/10/2011	Approval
110	Demolition - Details I and J	CIVIL - 1	EOR	8/10/2011	Approval
111	Demolition - Details K and L	CIVIL - 1	EOR	8/10/2011	Approval
112	Temporary Construction - Key Map and Notes	CIVIL - 1	EOR	8/10/2011	Approval
113	Temporary Construction - Details I	CIVIL - 1	EOR	8/10/2011	Approval
114	Temporary Construction - Details II	CIVIL - 1	EOR	8/10/2011	Approval
115	Temporary Construction - Alpha Island Temporary Facilities	CIVIL - 1	EOR	8/10/2011	Approval
116	Temporary Construction - Alpha West Laydown Area	CIVIL - 1	EOR	8/10/2011	Approval
117	Temporary Construction - Beta Island Temporary Facilities	CIVIL - 1	EOR	8/10/2011	Approval
118	Temporary Construction - Beta South Laydown Area	CIVIL - 1	EOR	8/10/2011	Approval
119	Water Pollution Control - Key Map and Notes	CIVIL - 1	EOR	8/10/2011	Approval
120	Water Pollution Control - Typical Construction Staging Area	CIVIL - 1	EOR	8/10/2011	Approval

ABENER TEYMA MOJAVE

Compliance No.: GEN-2

Job : Mojave Solar Project

Date: 8/12/11 Description: Civil Master Drawing List

Sheet No.	Description	Applicable Condition of Certification	Vendor Supplied or EOR	Submittal Date	Reason for Submittal
121	Water Pollution Control Alpha West and Alpha East	CIVIL - 1	EOR	8/10/2011	Approval
122	Water Pollution Control Alpha East and Beta West	CIVIL - 1	EOR	8/10/2011	Approval
123	Water Pollution Control - Beta East and Beta West	CIVIL - 1	EOR	8/10/2011	Approval
124	Water Pollution Control - Details I	CIVIL - 1	EOR	8/10/2011	Approval
125	Water Pollution Control - Details II	CIVIL - 1	EOR	8/10/2011	Approval
126	Water Pollution Control - Typical Mirror Field Erosion Control Layout	CIVIL - 1	EOR	8/10/2011	Approval
127	C349 Cover Sheet	CIVIL - 1	EOR	8/10/2011	Approval
128	C350 Key Map and Notes	CIVIL - 1	EOR	8/10/2011	Approval
129	C351 Harper Lake Road Plan - Profile Sta10+00 to 21+00	CIVIL - 1	EOR	8/10/2011	Approval
130	C352 Harper Lake Road Plan - Profile Sta 21+00 to 32+50	CIVIL - 1	EOR	8/10/2011	Approval
131	C354 Harper Lake Road Roadway Typical Sections	CIVIL - 1	EOR	8/10/2011	Approval
132	C360 Lockhart Road Plan - Profile Sta 10+00 to 19+50	CIVIL - 1	EOR	8/10/2011	Approval
133	C361 Lockhart Road Plan - Profile Sta 19+50 to 31+00	CIVIL - 1	EOR	8/10/2011	Approval
134	C362 Lockhart Road Plan - Profile Sta 31+00 to 42+50	CIVIL - 1	EOR	8/10/2011	Approval
135	C363 Lockhart Road Plan - Profile Sta 42+50 to 54+00	CIVIL - 1	EOR	8/10/2011	Approval
136	C364 Lockhart Road Plan - Profile Sta 54+00 to 65+50	CIVIL - 1	EOR	8/10/2011	Approval
137	C365 Lockhart Road Plan - Profile Sta 65+50 to 77+00	CIVIL - 1	EOR	8/10/2011	Approval
138	C366 Lockhart Road Plan - Profile Sta 77+00 to 88+50	CIVIL - 1	EOR	8/10/2011	Approval
139	C367 Lockhart Road Plan - Profile Sta 88+50 to 100+00	CIVIL - 1	EOR	8/10/2011	Approval
140	C370 Lockhart Road Roadway Typical Sections	CIVIL - 1	EOR	8/10/2011	Approval
141	C371 Barrier Details SKT Terminal System	CIVIL - 1	EOR	8/10/2011	Approval
142	C372 Barrier Details Type 12A Layout	CIVIL - 1	EOR	8/10/2011	Approval
143	C380 Barrier Details Type WB Transition	CIVIL - 1	EOR	8/10/2011	Approval
144	C381 Barrier Details Type 12AA Layout	CIVIL - 1	EOR	8/10/2011	Approval
145	C382 San Bernardino County Street Marker Details	CIVIL - 1	EOR	8/10/2011	Approval
146	C307 Beta Power Island Entrance Road Typical Section and Details	CIVIL - 1	EOR	8/10/2011	Approval
147	C309 Beta Power Island Entrance Road Plan - Profile Sta 10+00 to21+00	CIVIL - 1	EOR	8/10/2011	Approval
148	C310 Beta Power Island Entrance Road Plan - Profile Sta 21+00 to32+50	CIVIL - 1	EOR	8/10/2011	Approval
149	C311 Beta Power Island Entrance Road Plan - Profile Sta 32+50 to43+27+	CIVIL - 1	EOR	8/10/2011	Approval
150	Waste Water Cover Sheet	CIVIL - 1	EOR	8/10/2011	Approval
151	Alpha/Beta Power Island Water-Wastewater-Key Maps and Notes	CIVIL - 1	EOR	8/10/2011	Approval
152	Alpha Power Island Water-Wastewater Site Plan I	CIVIL - 1	EOR	8/10/2011	Approval
153	Alpha Power Island Water-Wastewater Site Plan II	CIVIL - 1	EOR	8/10/2011	Approval
154	Beta Power Island Water-Wastewater Site Plan I	CIVIL - 1	EOR	8/10/2011	Approval
155	Beta Power Island Water-Wastewater Site Plan II	CIVIL - 1	EOR	8/10/2011	Approval
156	Evaporation Pond Sewer Main - Alpha Site	CIVIL - 1	EOR	8/10/2011	Approval
157	Evaporation Pond Sewer Main - Beta Site	CIVIL - 1	EOR	8/10/2011	Approval
158	Alpha/Beta Septic System- Key Maps and Notes	CIVIL - 1	EOR	8/10/2011	Approval
159	Alpha Septic System - Site Plan	CIVIL - 1	EOR	8/10/2011	Approval
160	Beta Septic System - Site Plan	CIVIL - 1	EOR	8/10/2011	Approval
161	Process Wastewater Evaporation Ponds and Bioremediation Facilities	CIVIL - 1	EOR	8/10/2011	Approval
162	Cover Sheet	CIVIL - 1	EOR	8/10/2011	Approval
163	General Notes, Legend and Abbreviations	CIVIL - 1	EOR	8/10/2011	Approval
164	Alpha Site Plan	CIVIL - 1	EOR	8/10/2011	Approval
165	Alpha Site Grading and Drainage Plan	CIVIL - 1	EOR	8/10/2011	Approval
166	Alpha Site Pond Section	CIVIL - 1	EOR	8/10/2011	Approval
167	Alpha Site Details	CIVIL - 1	EOR	8/10/2011	Approval
168	Alpha Site Details 2	CIVIL - 1	EOR	8/10/2011	Approval
169	Alpha Site Land Farm Plan	CIVIL - 1	EOR	8/10/2011	Approval
170	Alpha Site Land Farm Sections and Details	CIVIL - 1	EOR	8/10/2011	Approval
171	Beta Site Plan	CIVIL - 1	EOR	8/10/2011	Approval
172	Beta Site Grading and Drainage Plan	CIVIL - 1	EOR	8/10/2011	Approval
173	Beta Site Pond Section	CIVIL - 1	EOR	8/10/2011	Approval
174	Beta Site Details	CIVIL - 1	EOR	8/10/2011	Approval
175	Beta Site Details 2	CIVIL - 1	EOR	8/10/2011	Approval
176	Beta Site Land Farm Plan	CIVIL - 1	EOR	8/10/2011	Approval
177	Beta Site Land Farm Sections and Details	CIVIL - 1	EOR	8/10/2011	Approval
178	Mirror Asseby Building Paving, Grading and Drainage, and Fencing Cover Sheet	CIVIL - 1	EOR	1/19/2012	Approval
179	Mirror Asseby Building General Notes, Legend and Abbreviations	CIVIL - 1	EOR	1/19/2012	Approval
180	Mirror Asseby Building Paving, Grading and Drainage, and Fencing Site Plan	CIVIL - 1	EOR	1/19/2012	Approval
181	Mirror Asseby Building Water Pollution Control Plan	CIVIL - 1	EOR	1/19/2012	Approval
182	Mirror Asseby Building Paving, Grading and Drainage Details I	CIVIL - 1	EOR	1/19/2012	Approval
183	Mirror Asseby Building Temporary Construction Plan I	CIVIL - 1	EOR	1/19/2012	Approval
184	Mirror Asseby Building Temporary Construction Plan II	CIVIL - 1	EOR	1/19/2012	Approval
185	Mirror Asseby Building Civil Works General Details I	CIVIL - 1	EOR	1/19/2012	Approval
186	Mirror Asseby Building Temporary Construction Details II	CIVIL - 1	EOR	1/19/2012	Approval

ABENER TEYMA MOJAVE

Compliance No.: GEN-2
 Job : Mojave Solar Project
 Date: 8/12/11 Description: Structural Master Drawing List

Sheet No.	Description	Applicable Condition of Certification	Vendor Supplied or EOR	Submittal Date	Reason for Submittal
	Document Name	GEN-2		2/10/2012	
60007-ESP-ATP-00-50-C104	Ready Mix Concrete Production and Delivery	STRUCTURAL - 1	EOR	11/17/2011	Purchase
60007-ESP-ATP-00-50-C105	Particular Comm Condition for Ready Mix Concrete Production and Delivery	STRUCTURAL - 1	EOR	11/17/2011	Purchase
6007-CAL-CCI-18-54-0001	Mirror Building Metal Building Calcs	STRUCTURAL - 1	Vendor	12/17/2011	Review
6007-CAL-CCI-18-54-VSCA	Mirror Building Structural Calcs	STRUCTURAL - 1	Vendor	1/6/2012	Review
6007-ESP-ATP-00-50-2001	Engineering standards and practices specifications for subsurface exploration and geotech	STRUCTURAL - 1	EOR	5/20/2011	Purchase
6007-ESP-ATP-00-50-2001V	Specification for Vendor data requirement Structural, Geotechnical study	STRUCTURAL - 1	EOR	5/26/2011	Approval
6007-ESP-ATP-00-50-2061	Preliminary Geo-Tech Report	STRUCTURAL - 1	EOR	5/6/2011	Approval
6007-ESP-ATP-00-50-2062	Final Geotech Report	STRUCTURAL - 1	EOR	9/26/2011	Bid/Quote
6007-ESP-ATP-00-50-2063	Geotech Report Addendum 1	STRUCTURAL - 1	EOR	10/14/2011	Bid/Quote
6007-ESP-ATP-00-50-3100	Concrete Forms and Accessories	STRUCTURAL - 1	EOR	6/1/2011	Purchase
6007-ESP-ATP-00-50-3200	Concrete Reinforcement	STRUCTURAL - 1	EOR	6/1/2011	Purchase
6007-ESP-ATP-00-50-3300	Cast-In-Place Concrete	STRUCTURAL - 1	EOR	12/7/2011	Bid/Quote
6007-ESP-ATP-00-50-5120	Structural Steel	STRUCTURAL - 1	EOR	6/1/2011	Bid/Quote
6007-ESP-ATP-00-50-C014V	Concrete Batch Plant Vendor Spec	STRUCTURAL - 1	EOR	12/5/2011	Bid/Quote
6007-ESP-ATP-18-52-1332	Concrete Slabs and Foundations For Mirror Building Subcontract Package	STRUCTURAL - 1	EOR	9/26/2011	Bid/Quote
6007-ESP-ATP-18-52-1332V	Vendor Data Concrete Slabs and Foundations For Mirror Building Subcontract Package	STRUCTURAL - 1	EOR	9/26/2011	Bid/Quote
6007-ESP-ATP-18-54-1330	Mirror Building Subcontract Package	STRUCTURAL - 1	EOR	11/4/2011	Purchase
6007-ESP-ATP-18-54-1330V	Vendor Data for Mirror Building Subcontract Package	STRUCTURAL - 1	EOR	11/4/2011	Purchase
6007-ESP-ATP-18-54-1331	Warehouse Building Subcontract Package	STRUCTURAL - 1	EOR	12/5/2011	Bid/Quote
6007-ESP-ATP-18-54-1331V	Vendor Data Requirement Warehouse Building	STRUCTURAL - 1	EOR	12/5/2011	Bid/Quote
6007-ESP-ATP-18-54-3121	Pre-Engineered Metal Building	STRUCTURAL - 1	EOR	11/4/2011	Purchase
6007-ESP-ATP-18-54-3122	Pre-Engineered Metal Buildings	STRUCTURAL - 1	EOR	10/12/2011	Bid/Quote
6007-ESP-ATP-57-52-1351	Parabolic Solar Collector Steel Foundation Design-Build Subcontract	STRUCTURAL - 1	EOR	5/8/2011	Construction
6007-ESP-ATP-57-52-1351V	Vendor Data Requirements Parabolic Triugh Solar Collector Foundation Design-Build Sub	STRUCTURAL - 1	EOR	5/8/2011	Construction
6007-ESP-RJK-33-50-0001	Solar Collector Foundation Design	STRUCTURAL - 1	Vendor	8/31/2011	Approval
6007-ESP-UTE-16-62-0002	Air Compressor Package	STRUCTURAL - 1	EOR	4/27/2011	Approval
6007-INF-ATP-00-50-0001	Geo-Tech Report	STRUCTURAL - 1	EOR	7/18/2011	Construction
6007-INF-ATP-33-50-001	Wind Tunnel Clarification	STRUCTURAL - 1	EOR	9/6/2011	Approval
6007-INF-RJK-33-50-0001	Response to CEC for collector Foundation	STRUCTURAL - 1	Vendor	9/2/2011	Approval
6007-INS-ATP-00-50-0002	Preliminary Foundation Recommendation	STRUCTURAL - 1	EOR	5/8/2011	Construction
6007-INS-ATP-32-50-0001	Exterior Solar Collector Foundation Loads	STRUCTURAL - 1	EOR	4/8/2011	Approval
6007-INS-ATP-32-50-0002	Interior Solar Collector Foundation Loads	STRUCTURAL - 1	EOR	4/8/2011	Approval
6007-INS-ATP-32-50-0004	Solar Collector Foundation Loads	STRUCTURAL - 1	EOR	5/8/2011	Construction
6007-INS-ATP-32-52-0003	Collector Support Dimensions	STRUCTURAL - 1	EOR	7/18/2011	Approval
6007-PLN-ATP-00-50-5001	General Civil and Structural Notes	STRUCTURAL - 1	EOR	1/6/2011	Bid/Quote
6007-PLN-ATP-00-50-5002	Typical Ladder and Safety Cage Details	STRUCTURAL - 1	EOR	1/6/2011	Bid/Quote
6007-PLN-ATP-00-50-5003	Typical Pipe Handrail, Stairway and Grating Details	STRUCTURAL - 1	EOR	1/6/2011	Bid/Quote
6007-PLN-ATP-00-50-5004	Standard Base Plate Details and Standard Shear Key Details	STRUCTURAL - 1	EOR	1/6/2011	Bid/Quote
6007-PLN-ATP-00-55-0001	Soil boring location plan for alpha plant solar field	STRUCTURAL - 1	EOR	5/26/2011	Purchase
6007-PLN-ATP-00-55-0002	Soil boring location plan for beta plant solar field	STRUCTURAL - 1	EOR	5/26/2011	Purchase
6007-PLN-ATP-00-55-0003	Soil boring location plan for alpha power island	STRUCTURAL - 1	EOR	5/26/2011	Purchase
6007-PLN-ATP-00-55-0004	Soil boring location plan for beta power island	STRUCTURAL - 1	EOR	5/26/2011	Purchase
6007-PLN-ATP-00-55-LX01	Alpha Warehouse Building Proposed Location	STRUCTURAL - 1	EOR	10/26/2011	Bid/Quote
6007-PLN-ATP-00-55-LX02	Beta Warehouse Building Proposed Location	STRUCTURAL - 1	EOR	10/26/2011	Bid/Quote
6007-PLN-ATP-16-62-0001	Mirror Building Air Supply & Electrical Outlet Locations	STRUCTURAL - 1	EOR	8/9/2011	Purchase
6007-PLN-ATP-18-52-0016	Anchor Bolts Reference Plan	STRUCTURAL - 1	EOR	9/26/2011	Bid/Quote
6007-PLN-ATP-18-52-0017	Slab and Foundation Reference Plan	STRUCTURAL - 1	EOR	9/26/2011	Bid/Quote
6007-PLN-ATP-18-52-0018	Slab and Foundation Reference Details	STRUCTURAL - 1	EOR	9/26/2011	Bid/Quote
6007-PLN-ATP-18-54-0016	General Location of Mirror Building	STRUCTURAL - 1	EOR	4/11/2011	Purchase
6007-PLN-ATP-18-57-0011	Mirror Building Floor Plan	STRUCTURAL - 1	EOR	9/23/2011	Bid/Quote
6007-PLN-ATP-18-57-0012	Mirror Building Roof Plan	STRUCTURAL - 1	EOR	8/9/2011	Purchase
6007-PLN-ATP-18-57-0013	Mirror Building Crane Layout Plan	STRUCTURAL - 1	EOR	8/9/2011	Purchase
6007-PLN-ATP-18-57-0014	Mirror Building Elevations and Sections	STRUCTURAL - 1	EOR	8/9/2011	Purchase
6007-PLN-ATP-18-57-0015	Mirror Building Sections	STRUCTURAL - 1	EOR	9/23/2011	Bid/Quote
6007-PLN-ATP-18-57-0021	Warehouse Building Floor Plan	STRUCTURAL - 1	EOR	12/5/2011	Bid/Quote
6007-PLN-ATP-18-57-0022	Warehouse Building Roof Plan	STRUCTURAL - 1	EOR	12/5/2011	Bid/Quote
6007-PLN-ATP-18-57-0023	Warehouse Building Elevation and Section	STRUCTURAL - 1	EOR	12/5/2011	Bid/Quote
6007-PLN-ATP-18-57-0024	Warehouse Building Elevations	STRUCTURAL - 1	EOR	12/5/2011	Bid/Quote
6007-PLN-ATP-18-57-0025	Warehouse Building Sections	STRUCTURAL - 1	EOR	12/5/2011	Bid/Quote
6007-PLN-CCI-18-54-ALLD	Mirror Building Metal Building All Drawings	STRUCTURAL - 1	Vendor	1/24/2012	Review
6007-CAL-CCI-18-54-VASP	Mirror Building Material Specs	ARCHITECTURAL - 1	Vendor	1/18/2012	Review
6007-PLN-CCI-18-54-VA10	Mirror Building Code Plan	ARCHITECTURAL - 1	Vendor	1/18/2012	Review
6007-PLN-CCI-18-54-VA11	Mirror Building Floor Plan	ARCHITECTURAL - 1	Vendor	1/18/2012	Review

GEN-2
 Job: Mojave Solar Project
 Date: 12 Aug 2011
 Description: Mechanical Master Document List

Doc Number	Description	Type of Document	Applicable Condition of Certification	Vendor Supplied or EOR	Submittal Date	Reason For Submittal
6007-ESP-ATP-00-00-G120	Equipment Modeling Vendor Requirements	Spec	GEN-2	EOR	1-Mar-2012	Approval
6007-ESP-ATP-00-00-G121	Shipping Preparation	Spec	GEN-2	EOR	1-Mar-2012	Approval
6007-ESP-ATP-00-60-G103	Quantitative Risk Analysis	Spec	GEN-2	EOR	15-Feb-2012	Approval
6007-ESP-ATP-00-60-G120	Equipment Modeling Vendor Requirements	Spec	GEN-2	EOR	1-Mar-2012	Approval
6007-ESP-ATP-00-60-G130	Required Allowable Nozzle Loads	Spec	GEN-2	EOR	15-Feb-2012	Approval
6007-ESP-ATP-00-60-I100	Mineral Fiber Insulation	Spec	GEN-2	EOR	1-Apr-2012	Approval
6007-ESP-ATP-00-60-I150	Aluminum Jacket Cover for Insulation	Spec	GEN-2	EOR	1-Apr-2012	Approval
6007-ESP-ATP-00-60-I152	Removable - Reusable Jacketing for Insulation	Spec	GEN-2	EOR	1-Apr-2012	Approval
6007-ESP-ATP-00-60-I153	Installation of Insulation and Jacketing on Piping	Spec	GEN-2	EOR	1-Apr-2012	Approval
6007-ESP-ATP-00-60-I180	Miscellaneous Insulation Materials	Spec	GEN-2	EOR	1-Apr-2012	Approval
6007-ESP-ATP-00-60-N101	Two Coat System for Low Temperature Non-Primed Carbon Steel	Spec	GEN-2	EOR	1-Apr-2012	Approval
6007-ESP-ATP-00-60-N102	Two Coat System for High Temperature Non-Primed Carbon Steel	Spec	GEN-2	EOR	1-Apr-2012	Approval
6007-ESP-ATP-00-60-N103	Safety and Hazards Paint	Spec	GEN-2	EOR	1-Apr-2012	Approval
6007-ESP-ATP-00-60-N105	Hot Dip Galvanizing	Spec	GEN-2	EOR	1-Apr-2012	Approval
6007-ESP-ATP-00-60-N106	Touch-up for Galvanized Steel	Spec	GEN-2	EOR	1-Apr-2012	Approval
6007-ESP-ATP-00-60-N180	Shop Applied Paint	Spec	GEN-2	EOR	1-Apr-2012	Approval
6007-ESP-ATP-00-60-N185	Field Applied Paint	Spec	GEN-2	EOR	1-Apr-2012	Approval
6007-ESP-ATP-00-60-N190	Tank Lining	Spec	GEN-2	EOR	1-Apr-2012	Approval
6007-ESP-ATP-00-60-Q101	Hydrostatic Pressure Test of Metallic Equipment	Spec	GEN-2	EOR	1-Jun-2012	Approval
6007-ESP-ATP-00-61-G113	Pipe Index	Spec	GEN-2	EOR	1-Mar-2012	Approval
6007-ESP-ATP-00-62-U501	Steam Turbine Generator	Spec	GEN-2	EOR	1-May-2012	Approval
6007-ESP-ATP-00-62-U503	Turbine Generator Auxiliaries	Spec	GEN-2	EOR	1-May-2012	Approval
6007-ESP-ATP-00-62-U504	Steam Turbine Generator Instrumentation and Controls	Spec	GEN-2	EOR	1-May-2012	Approval
6007-ESP-ATP-00-62-U505	Steam Turbine Generator Engineering Coordination and Services	Spec	GEN-2	EOR	1-May-2012	Approval
6007-ESP-ATP-16-62-0002	Air Compressor Package	Spec	GEN-2	EOR	1-Jul-2012	Approval
6007-ESP-ATP-21-62-L200	Auxiliary Boiler	Spec	GEN-2	EOR	1-Apr-2012	Approval
6007-ESP-ATP-21-62-L201	Deaerators	Spec	GEN-2	EOR	1-Mar-2012	Approval
6007-ESP-ATP-25-62-U555	Steam Condenser Vacuum System Specification	Spec	GEN-2	EOR	1-Jul-2012	Approval
6007-ESP-ATP-25-62-U600	Steam Surface Condenser Specification	Spec	GEN-2	EOR	1-Jul-2012	Approval
6007-ESP-ATP-29-60-G175	Well Water Analysis	Spec	GEN-2	EOR	1-Feb-2012	Approval
6007-ESP-ATP-37-62-0001	Overhead Bridge Cranes	Spec	GEN-2	EOR	1-Mar-2012	Approval
6007-ESP-ATP-53-00-G190	Site Chemicals Storage	Spec	GEN-2	EOR	1-Mar-2012	Approval
6007-ESP-ATP-58-62-P200	Main HTF Pumps	Spec	GEN-2	EOR	1-Apr-2012	Approval
6007-ESP-UTE-00-60-G100	Project Design Criteria	Spec	GEN-2	EOR	1-Jan-2012	Approval
6007-ESP-ATP-14-62-P401	CWT Pumps	Spec	GEN-2	EOR	1-May-2012	Approval
6007-ESP-ATP-14-62-X401	Cooling Water Tower	Spec	GEN-2	EOR	1-Jun-2012	Approval
6007-ESP-ATP-16-62-Z480	Compressed Air System	Spec	GEN-2	EOR	1-Aug-2012	Approval
6007-ESP-ATP-21-62-B315	Moisture Separator	Spec	GEN-2	EOR	1-May-2012	Approval
6007-ESP-ATP-21-62-P302	BFW Pumps	Spec	GEN-2	EOR	15-Jun-2012	Approval
6007-ESP-ATP-21-62-P306	TG Condensate Pumps	Spec	GEN-2	EOR	15-Jun-2012	Approval
6007-ESP-ATP-21-62-P315	Pwr Gen Condensate Receiver Pumps	Spec	GEN-2	EOR	15-Jun-2012	Approval
6007-ESP-ATP-21-62-V315	Power Gen Condensate Receiver	Spec	GEN-2	EOR	15-Jun-2012	Approval
6007-ESP-ATP-21-62-X320	BFW Heaters	Spec	GEN-2	EOR	1-May-2012	Approval
6007-ESP-ATP-21-62-Z309	Boiler Chemical Feed System	Spec	GEN-2	EOR	15-Jul-2012	Approval
6007-ESP-ATP-25-62-X313	Steam Condenser	Spec	GEN-2	EOR	1-Jul-2012	Approval
6007-ESP-ATP-29-62-T402	Raw-Fire Water Tank	Spec	GEN-2	EOR	15-May-2012	Approval
6007-ESP-ATP-29-62-T424	Cooling Tower Blow Down Tank	Spec	GEN-2	EOR	15-May-2012	Approval
6007-ESP-ATP-29-62-T444	Process Water Tank	Spec	GEN-2	EOR	15-May-2012	Approval
6007-ESP-ATP-29-62-T451	Polisher Feed Tank	Spec	GEN-2	EOR	15-May-2012	Approval
6007-ESP-ATP-29-62-T453	Polished Water Tank	Spec	GEN-2	EOR	15-May-2012	Approval
6007-ESP-ATP-29-62-Z401	Water Treatment System	Spec	GEN-2	EOR	1-Feb-2012	Approval
6007-ESP-ATP-58-62-C103	Therminol VP-1	Spec	GEN-2	EOR	1-Feb-2012	Approval
6007-ESP-ATP-58-62-P201	HTF Standby Pump	Spec	GEN-2	EOR	1-Apr-2012	Approval
6007-ESP-ATP-58-62-P202	HTF Fill Discharge Pump	Spec	GEN-2	EOR	1-Apr-2012	Approval
6007-ESP-ATP-58-62-T204	HTF Overflow Tanks	Spec	GEN-2	EOR	1-Apr-2012	Approval
6007-ESP-ATP-58-62-V205	HTF Expansion Vessel	Spec	GEN-2	EOR	1-Apr-2012	Approval
6007-ESP-ATP-64-62-Z208	Nitrogen System	Spec	GEN-2	EOR	1-May-2012	Approval
6007-LIS-ATP-00-60-G110	Equipment Motor List	List	GEN-2	EOR	1-Mar-2012	Approval
6007-LIS-ATP-00-60-G181	Vacuum Breaker List	List	GEN-2	EOR	1-Aug-2012	Approval
6007-LIS-ATP-00-60-G182	Check Valve List	List	GEN-2	EOR	1-Aug-2012	Approval
6007-LIS-ATP-00-60-G183	Relief and Safety Valve List	List	GEN-2	EOR	1-Aug-2012	Approval
6007-LIS-ATP-00-60-G184	Filter List	List	GEN-2	EOR	1-Aug-2012	Approval
6007-PLN-ATP-00-55-L001	Layout For Alpha Plant	Drawing	GEN-2	EOR	1-Feb-2012	Approval
6007-PLN-ATP-00-55-L002	Layout For Beta Plant	Drawing	GEN-2	EOR	1-Feb-2012	Approval
6007-PLN-ATP-00-55-L003	Central Plant Layout - Alpha Plant	Drawing	GEN-2	EOR	1-Feb-2012	Approval
6007-PLN-ATP-00-55-L004	Central Plant Layout - Beta Plant	Drawing	GEN-2	EOR	1-Feb-2012	Approval
6007-PLN-ATP-00-55-L010	Site Plan	Drawing	GEN-2	EOR	1-Feb-2012	Approval
6007-PLN-ATP-00-70-1001C	Drawing Index P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-00-70-1001	Drawing Index P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-00-70-1001C	Drawing Index P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-00-70-N001C	Nomenclature Sheet 1 P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-00-70-N002C	Nomenclature Sheet 2 P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-00-70-N003C	Nomenclature Sheet 3 P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-00-71-CL02A	Expansion System - Alpha plant Pressure & Level Control Complex Logic Diagram	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-00-71-CL03A	Total HTF Flow Control - Alpha Plant Branch Flow Balance Trim Control Complex Logic Diagram	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-00-71-CL08C	Overflow System Pressure, Temp, and Minimum Flow Control	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-21-51-0001	Steam Generation Area Layout	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-21-71-P301C	Steam Generation - Preheater P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-21-71-P302C	Steam Generation - Evaporator P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-21-71-P303C	Steam Generation - Superheater P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-21-71-P304C	Steam Generation - Reheaters System P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-21-71-P305C	Steam Generation - Blowdown System P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-21-71-P306C	Steam Generation - Sampling System P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-25-71-P309C	Auxiliary I.P. Steam System P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-25-71-P310C	HP Steam Turbine P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-25-71-P311C	LP Steam Turbine P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-25-71-P312C	Condensate System P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-25-71-P313C	Turbine Drain Flash Tank System P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-25-71-P315C	Condenser Air Removal System P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-25-71-P316C	Turbine Seal And Drain System P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-25-71-P317C	Boiler Feedwater Heater #5 P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-25-71-P321C	LP Feedwater Heater System P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval

6007-PLN-ATP-25-71-P322C	Dearator System P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-25-71-P323C	Feedwater Pumps P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-25-71-P324C	HP Feedwater Heater System P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-25-71-P325C	Boiler Feedwater Chemical Feed System P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-25-71-P330C	TG Machine Monitoring System P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-25-71-P335C	TG Lube Oil Skid P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-25-71-P336C	TG Lube Oil System P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-25-71-P340C	Cooling Water - TG Area P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-25-71-P350C	Auxiliary Boiler P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-57-71-P100A	Solar Field - Alpha Plant P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-57-71-P100B	Solar Field - Beta Plant P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-57-71-P102A	Solar Field Piping Loops - Alpha Plant P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-57-71-P102B	Solar Field Piping Loops - Beta Plant P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-57-71-P104C	Solar Field Collector Detail - 2 Loops P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-61-33-G001	Electrical Grounding Details	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-61-33-G002	Electrical Grounding Details II	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-61-33-G010	Fence Grounding Drawing - Alpha Site	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-61-33-G011	Fence Grounding Plan Alpha/Beta Sites	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-61-33-G012	Fence Grounding Plan - Beta Site	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P401C	Cooling Tower P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P402C	Cooling Tower Chemical Feed System P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P405C	Auxiliary Cooling Water System P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P410C	Raw/Fire Water Storage Tank P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P411C	Central Plant Potable Water System P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P413C	Magnesium Carbonate Storage, Mix and Delivery System P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P414C	Sodium Carbonate Storage, Mix and Delivery System P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P415C	Lime Storage, Mix and Delivery System P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P416C	Ferric Chloride Feed System P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P424C	Cooling Tower Blowdown Tank P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P426C	CLS Parallel Reaction Tanks P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P427C	Clarifier System P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P428C	Filter Press P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P430C	Filtrate Recycle P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P431C	Sulfuric Acid P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P432C	Clearwell P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P433C	Multimedia Filters P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P436C	RO Chemical Feed P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P437C	Primary RO Pumps P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P438C	Primary RO System - Unit A P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P439C	Primary RO System - Unit B P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P441C	Primary RO System - Unit C P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P442C	Primary RO System - Unit D P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P444C	Process Makeup Water Storage Tank P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P446C	Polishing Mirror RO P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P448C	Concentrated RO System - Unit A P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P449C	Concentrated RO System - Unit B P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P450C	Concentrated RO System - Unit C P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P451C	RO Water Storage Tank P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P452C	Polishing Exchangers P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P453C	Polished Water Storage Tank P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P454C	RO Clean-in-Place P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P455C	Water: Oil Separator P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P456C	Waste Water Tank P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P470C	Fire Protection Loop P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P471C	Underground Fire Protection Loop P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P480C	Compressed Air Instrument and Service P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P481C	Instrument Air Distribution P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P482C	Steam Generation - Instrument Air System P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-67-71-P483C	Natural Gas Distribution P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-68-71-P200A	Central Plant HTF Distribution - Alpha Plant P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-68-71-P200B	Central Plant HTF Distribution - Beta Plant P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-68-71-P202A	HTF Circulation Pumps - Alpha Plant P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-68-71-P202B	HTF Circulation Pumps - Beta Plant P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-68-71-P204C	HTF Expansion System P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-68-71-P206C	HTF Overflow System P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-68-71-P208C	HTF Ullage Vent System P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval
6007-PLN-ATP-68-71-P210C	Nitrogen Generation And Distribution P&ID	Drawing	GEN-2	EOR	1-Mar-2012	Approval

ABENER TEYMA MOJAVE - Specifications List

Compliance No.: GEN-2

Job: Mojave Solar Project

Date: 12-12-11

Description: Specifications List

Specification Number	Specification Title	Applicable Condition of Certification	Vendor Supplied or EOR	Submittal Date	Reason For Submittal
6007-ESP-ATP- 00-30-M100	Electrical and Instrument Systems on Packaged Mechanical Equipment	ELEC-1 (TYP)	Vendor	7-Jun-11	Approval
6007-ESP-ATP- 00-31-C150	Electrical Construction Insulation Resistance Testing	ELEC-1 (TYP)	Vendor	3-Jun-11	Approval
6007-ESP-ATP- 00-32-C110	Electrical Construction	ELEC-1 (TYP)	Vendor	3-Jun-11	Approval
6007-ESP-ATP- 00-32-C120	Electrical Construction Rigid Conduit Installation	ELEC-1 (TYP)	Vendor	3-Jun-11	Approval
6007-ESP-ATP- 00-32-C122	Conduit Installation For Warehouse Only	ELEC-1 (TYP)	Vendor	29-Nov-11	Approval
6007-ESP-ATP- 00-32-C125	Electrical Construction Cable Tray Installation	ELEC-1 (TYP)	Vendor	3-Jun-11	Approval
6007-ESP-ATP- 00-32-C130	Electrical Construction Cable and Wiring Installation	ELEC-1 (TYP)	Vendor	3-Jun-11	Approval
6007-ESP-ATP- 00-33-C105	Electrical Construction Grounding Installation	ELEC-1 (TYP)	Vendor	3-Jun-11	Approval
6007-ESP-ATP- 00-34-C100	General Requirements for Electrical Construction	ELEC-1 (TYP)	Vendor	3-Jun-11	Approval
6007-ESP-ATP- 00-34-C135	Electrical Construction Wiring Device Installation	ELEC-1 (TYP)	Vendor	3-Jun-11	Approval
6007-ESP-ATP- 00-34-S061	Scope of Work-Collector Assembly Building	ELEC-1 (TYP)	Vendor	29-Nov-11	Approval
6007-ESP-ATP- 00-34-S061V	Electrical Vendor Data Requirement	ELEC-1 (TYP)	Vendor		
6007-ESP-ATP- 00-34-S062	Electrical Construction Scope of Work-Warehouse Building	ELEC-1 (TYP)	Vendor	30-Nov-11	Approval
6007-ESP-ATP- 00-38-C115	Electrical Equipment Installation	ELEC-1 (TYP)	Vendor	3-Jun-11	Approval
6007-ESP-ATP- 00-46-E410	Liquid Filled Transformers 230 kV, 100MVA or Less	ELEC-1 (TYP)	Vendor	11-Nov-11	Approval
6007-ESP-ATP- 00-46-E410V	Vendor Data Requirements	ELEC-1 (TYP)	Vendor	22-Sep-11	Approval
6007-ESP-ATP- 00-46-E411	Liquid Filled Transformers 230kv, 100MVA or Less Data Sheet	ELEC-1 (TYP)	Vendor	14-Sep-11	Approval
6007-ESP-ATP- 00-46-E412	Liquid Filled Transformers 10MVA, Data Sheet	ELEC-1 (TYP)	Vendor	22-Sep-11	Approval
6007-ESP-ATP- 00-46-E415	Liquid Filled Transformers Above 100MVA	ELEC-1 (TYP)	Vendor	14-Sep-11	Approval
6007-ESP-ATP- 00-46-E416	Liquid Filled Transformers Above 100MVA Data Sheet	ELEC-1 (TYP)	Vendor	14-Sep-11	Approval
6007-ESP-ATP- 00-46-E420	Pad Mounted Transformer	ELEC-1 (TYP)	Vendor	22-Sep-11	Approval
6007-ESP-ATP- 00-46-E420V	Vendor Data Requirements	ELEC-1 (TYP)	Vendor	22-Sep-11	Approval
6007-ESP-ATP- 00-46-E421	Pad Mounted Transformer Data Sheet	ELEC-1 (TYP)	Vendor	11-Nov-11	Approval
6007-ESP-ATP- 00-46-E422	Pad Mounted Transformer Data Sheet	ELEC-1 (TYP)	Vendor	22-Sep-11	Approval
6007-ESP-ATP- 00-46-S050	Construction Temporary Power Subcontract	ELEC-1 (TYP)	Vendor	20-Oct-11	Approval
6007-ESP-ATP- 00-47-M120	Synchronous Generator	ELEC-1 (TYP)	Vendor	26-May-11	Approval
6007-ESP-ATP- 00-47-M125	Generator Synchronization Control	ELEC-1 (TYP)	Vendor	26-May-11	Approval
6007-ESP-ATP- 23-38-S030	Substation Construction Scope of Work	ELEC-1 (TYP)	Vendor	1-Dec-11	Approval
6007-ESP-ATP- 23-38-S030V	Vendor Data Requirements	ELEC-1 (TYP)	Vendor	1-Dec-11	Approval
6007-ESP-ATP- 23-38-S050V	Vendor Data Requirements	ELEC-1 (TYP)	Vendor	10-Jun-11	Approval
6007-ESP-ATP- 23-48-E330	Substation Circuit Breakers	ELEC-1 (TYP)	Vendor	1-Dec-11	Approval
6007-ESP-ATP- 23-48-E330V	Vendor Data Requirements	ELEC-1 (TYP)	Vendor	1-Dec-11	Approval
6007-ESP-ATP- 23-48-E331	Substation Circuit Breakers Data Sheet	ELEC-1 (TYP)	Vendor	1-Dec-11	Approval
6007-ESP-ATP- 23-48-E340	Disconnect Switches, Instrumentation Transformers, Lightning Arrestors, and Structures	ELEC-1 (TYP)	Vendor	1-Dec-11	Approval
6007-ESP-ATP- 23-48-E341	Substation Disconnect Switch Data Sheet	ELEC-1 (TYP)	Vendor	1-Dec-11	Approval
6007-ESP-ATP- 23-48-E342	Substation Instrumentation Transformer Data Sheet	ELEC-1 (TYP)	Vendor	1-Dec-11	Approval
6007-ESP-ATP- 23-48-E343	Substation Lightning Arrestor Data Sheet	ELEC-1 (TYP)	Vendor	1-Dec-11	Approval
6007-ESP-ATP- 23-48-S032	242 kV Transmission Line Scope of Work	ELEC-1 (TYP)	Vendor	24-May-11	Approval
6007-ESP-ATP- 26-48-S032	230 kV Transmission Line Scope of Work	ELEC-1 (TYP)	Vendor	24-May-11	Approval
6007-ESP-ATP- 26-48-S032V	Vendor Data Requirements	ELEC-1 (TYP)	Vendor	24-Mar-11	Approval
6007-ESP-ATP- 27-21-E150	Low Voltage Variable Speed Drive Mounted Outside the MCC	ELEC-1 (TYP)	Vendor	22-Sep-11	Approval
6007-ESP-ATP- 27-21-E150V	Vendor Data Requirements	ELEC-1 (TYP)	Vendor	22-Sep-11	Approval
6007-ESP-ATP- 27-21-E151	Wall Mounted Low Voltage Variable Speed Drive Data Sheet	ELEC-1 (TYP)	Vendor	22-Sep-11	Approval
6007-ESP-ATP- 27-21-E215	Low Voltage Smart Motor Control Centers	ELEC-1 (TYP)	Vendor	22-Sep-11	Approval
6007-ESP-ATP- 27-21-E215V	Vendor Data Requirements	ELEC-1 (TYP)	Vendor	22-Sep-11	Approval
6007-ESP-ATP- 27-21-E260	Unitized Distribution Substation	ELEC-1 (TYP)	Vendor	22-Nov-11	Approval
6007-ESP-ATP- 27-21-E260V	Vendor Data Requirements For Construction Panelboards	ELEC-1 (TYP)	Vendor	22-Nov-11	Approval
6007-ESP-ATP- 27-21-E310	Low Voltage Switchgear	ELEC-1 (TYP)	Vendor	22-Sep-11	Approval
6007-ESP-ATP- 27-21-E310V	Vendor Data Requirements	ELEC-1 (TYP)	Vendor	22-Sep-11	Approval
6007-ESP-ATP- 27-21-E311	Low Voltage Switchgear Data Sheet	ELEC-1 (TYP)	Vendor	22-Sep-11	Approval
6007-ESP-ATP- 27-21-E370	Low Voltage Bus Duct	ELEC-1 (TYP)	Vendor	22-Sep-11	Approval
6007-ESP-ATP- 27-21-E370V	Vendor Data Requirements	ELEC-1 (TYP)	Vendor	22-Sep-11	Approval
6007-ESP-ATP- 27-21-E371	Low Voltage Bus Duct Data Sheet	ELEC-1 (TYP)	Vendor	22-Sep-11	Approval
6007-ESP-ATP- 27-21-E390	Low Voltage Panel Boards	ELEC-1 (TYP)	Vendor	22-Nov-11	Approval
6007-ESP-ATP- 27-21-E540	Low Voltage Grounding Resistor	ELEC-1 (TYP)	Vendor	22-Sep-11	Approval
6007-ESP-ATP- 27-21-E540V	Vendor Data Requirements	ELEC-1 (TYP)	Vendor	22-Sep-11	Approval
6007-ESP-ATP- 27-21-E541	Low Voltage Grounding Resistor Data Sheet	ELEC-1 (TYP)	Vendor	22-Sep-11	Approval
6007-ESP-ATP- 28-38-E350	Medium Voltage Bus Duct	ELEC-1 (TYP)	Vendor	22-Sep-11	Approval
6007-ESP-ATP- 28-38-E350V	Vendor Data Requirements	ELEC-1 (TYP)	Vendor	22-Sep-11	Approval
6007-ESP-ATP- 28-38-E351	Medium Voltage Iso Phase Bus Duct Data Sheet	ELEC-1 (TYP)	Vendor	22-Sep-11	Approval
6007-ESP-ATP- 28-38-E352	Medium Voltage Bus Duct Data Sheet	ELEC-1 (TYP)	Vendor	22-Sep-11	Approval
6007-ESP-ATP- 28-43-E160	Medium Voltage Variable Speed Drives	ELEC-1 (TYP)	Vendor	22-Sep-11	Approval
6007-ESP-ATP- 28-43-E160V	Vendor Data Requirements	ELEC-1 (TYP)	Vendor	22-Sep-11	Approval

Email Notification

Plan Checker
Send Email to Plan Checker? No

Processing Information

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David Nola, Special Inspector

CERTIFICATIONS

International Code Council (ICC) #5044550

Reinforced Concrete, Prestressed Concrete, Structural Masonry, Structural Welding, Structural Bolting, Fireproofing, Soils Special Inspector

American Concrete Institute (ACI) #00052361

Concrete Field Testing Technician Grade I

ADDITIONAL CERTIFICATIONS/TRAINING

TWIC Card Holder (Transportation Work Identification)

Hazardous Materials Handling, San Bernardino Sheriff Academy

Trench Excavation and Soils Mechanics (OSHA Compliant), AON Construction Services Group California

BACKGROUND & RESPONSIBILITIES

David has over 10 years of special inspection experience. He has providing inspection of concrete, masonry, soils, asphalt, structural steel, welding, and fireproofing. Prior to his work as a special inspector, he owned Patriot Fire Protection, a firm providing fire protection inspection, testing and certification of various fire suppression systems. He supervised and trained all employees. He also served as an Infantry Squad Leader, Rank E5 in the United States Marine Corps.

PROJECT EXPERIENCE

Kaiser Anaheim Medical Center –David provided inspection of structural steel, welding, reinforced concrete, structural masonry, fireproofing, soils and asphalt paving.

Kaiser Sand Canyon Medical Center –David provided inspection of structural steel, welding, reinforced concrete, structural masonry and fireproofing..

Long Beach Airport Runway& Taxiway Renovations –David provided soils and asphalt paving inspection.

Ontario Airport Runway & Taxiway Renovations –David provided inspection of soils, concrete and asphalt paving.

High Desert Power Plant - David provided inspection of reinforced concrete, structural masonry, structural steel, soils and asphalt paving.

Pasadena Gold Line - David served as an ACI Technician, and provided inspection of soils, asphalt paving and reinforced concrete.

San Vicente Waste Water Reclamation Plant –David served as an ACI Technician, and provided inspection of soils, asphalt paving, reinforced concrete and structural masonry.

Alameda Corridor –David served as an ACI Technician, and provided inspection of soils, asphalt paving, reinforced concrete and structural masonry.

Level 3 Fiber Optic Line, San Diego, CA to Arizona - David provided soils and asphalt paving inspection.

John Luna, Special Inspector

EDUCATION

San Bernardino Valley College
Geology

CERTIFICATIONS

Troxler Certification

Nuclear Gauge Testing #5258995

CPN International

Radiation Safety Officer (RSO) for Nuclear Gauges #1408

American Concrete Institute (ACI)

Concrete Field Testing Technician, Grade 1

Caltrans Testing Methods

D977, C94, C33

ADDITIONAL CERTIFICATIONS/TRAINING

TWIC Card Holder (Transportation Work Identification)

Hazardous Materials Handling, San Bernardino Sheriff Academy

Trench Excavation and Soils Mechanics (OSHA Compliant), AON Construction Services Group California

BACKGROUND & RESPONSIBILITIES

John served as a Deputy Grading Inspector for the City of Los Angeles for nine years. He has over 20 years of experience with observation and testing of soils and materials on over 200 construction projects in Southern California. He is proficient in the interpretation of construction plans, UBC Codes, ASTM and AASHTO standards, and has complied with OSHA requirements and safety procedures at project sites. He has provided training and supervision of field and laboratory technicians. He has been responsible for the scheduling and coordination of services. As a Lead Inspector, he was responsible for all aspects of a project, including sampling, testing and roadway material inspection, and quality control application and inspection. He served as the full-time on-site inspector for several major roadway projects involving the building of sub-base and finish surfaces. He maintained testing equipment and quality control reports and ensured adherence to specifications. He performed all aspects of roadway construction including asphalt paving placement and quality control.

He has provided observation and testing of mass grading, including over-excavation and compaction, inspection of drilled and driven piles, shoring, observation of utility trench backfill and footing excavations, pile driving monitoring, as well as inspection of tie-backs and test of anchor bolts, slot cuts, retaining wall backfill, crib wall placement and compaction. He has also performed sampling of ground water and soils logging, and installation and monitoring of groundwater wells. His field and laboratory testing experience includes proctors, densities, sieve analysis, plasticity index, moistures, specific gravity and sampling and testing of concrete.

PROJECT EXPERIENCE

Conoco Phillips Refinery, Pinole, CA

Playa Vista Development, Los Angeles, CA - \$6 billion, 1,087 acre site in West Los Angeles. The development include approximately 30 residential developments, office and commercial space, retail establishments, a network of 25 parks, and is home to the new Los Angeles Clippers Training Center. The new community was constructed as a model for green development using energy saving systems, non-toxic and recycled materials, and designs promoting conservation to minimize the impacts of the development on the environment, including a system to naturally treat storm water. John provided:

- grading and paving inspection for more than 20 infrastructure and public works projects in the development.
- pile driving monitoring for Standard Pacific Homes, Fountain Park Apartments.
- wall backfill, grading and testing for Warmington Homes, Shea Homes, John Laing Homes, Fairfield Residential, Community Center, Crescent Park Apartments, Campus Center, Bluff Creek, Jefferson Boulevard, as well as numerous individual storm drains and street improvement projects.
- Lincoln Boulevard improvement project within the development per Caltrans specifications.

405 Freeway, Los Angeles – Improvement project per Caltrans specifications.

MATT THOMPSON, SPECIAL INSPECTOR

EDUCATION

Orange Coast College

Applied Electricity, Pneumatic Control & HVAC

Ironworkers Apprenticeship Local 433, Santa Fe Springs, CA

Steel Erection, Metal Fabrication, Welding,

General Safety Procedures & First Aid

Goldenwest College

Computer Literacy & Keyboarding, Microsoft Office Suites

Advanced Inspection Training Center

Reinforced Concrete & Prestressed Concrete Inspection,

Plan Reading, Masonry Inspection, Welding Inspection

CERTIFICATIONS

International Code Council (ICC) #5258995

Reinforced Concrete, Prestressed Concrete, Structural Masonry,

Structural Steel & Welding, Structural Steel & Bolting, Structural Welding,

Spray-Applied Fireproofing & Soils Special Inspector

City of Los Angeles #PO 16642

Certified Structural Steel Welder D1.1 SMAW/FCAW

American Welding Society (AWS)

Certified Structural Steel Welder D1.1

American Concrete Institute (ACI) #01068566

Concrete Field Testing Technician, Grade 1

ADDITIONAL CERTIFICATIONS

Simpson Epoxy Drill & Anchor Systems, Hilti Epoxy Drill & Anchor Systems, Certified Forklift Operator, Scaffold Certified, CPR & First Aid Certified

BACKGROUND & RESPONSIBILITIES

Matt has a broad range of construction experience, bringing over 22 years of construction knowledge and expertise to the team. He has been working for SCS&T since 2008 and has a vast amount of experience working as a special inspector. In his role as a Special Inspector, Matt provides inspection of soils, welding, concrete, masonry, fireproofing and post-tension concrete.

PROJECT EXPERIENCE

CPV Sentinel Energy Project, *Desert Hot Springs* - 850 megawatt electrical generating facility based on eight natural gas-fired combustion turbine generators operating in simple cycle mode. The plant will be equipped with Selective Catalytic Reduction (SCR) and Carbon Monoxide (CO) equipment to reduce plant emissions of Nox and CO. The plant will also utilize a Zero Liquid Discharge System to eliminate all liquid waste water discharged from the site.

Long Beach Public Safety Building, *Long Beach** - Seismic upgrades and tenant improvements for a multi-level steel and concrete structure.

North Torrey Pines Bridge, *Del Mar* – Seismic retrofit planned to last 50 years and concrete repair to the existing bridge. The bridge, completed in 1933, is more than 550 feet long, 49 feet wide, equal to the size of two football fields, and is as tall as a six-story building. It is a nationally recognized historic structure.

Sierra Bonita Apartments, *West Hollywood* - Five-story mixed-use project including 42 one-bedroom affordable housing units, retail and office space, 29 resident parking spaces on one-level of subterranean parking and 13 surface parking spaces. The project is a pilot project for the City of West Hollywood's new Green Building Ordinance and includes a solar electric panel system integrated into the facade and roof of the building.

Westgate Pasadena - Four-story, 480-unit LEED Certified apartments over two-levels of subterranean parking. 23,000 square-feet of retail space.

The Crossing at Anaheim - Six-story condominium building with 312 units, including 39 live/work units on 5.2 acres. Residential space and parking totals 736,522 square-feet. The parking consists of 740 parking spaces on three-levels, one being underground. The project also includes a clubhouse, fitness center and open spaces with pools, a fire pit, cabanas, and terraces.

CR&R Transfer Facility Expansion, *Stanton* - New pre-engineered metal building and associated improvements.

Chula Vista High School Project 1, *Sweetwater Union High School District* - New 25,729 square-foot multi-purpose building housing the school's theater and a new 5,735 square foot library. Modernization of the gymnasium, as well as the boys and girls locker rooms. The project is designed to achieve LEED gold certification.

Email Notification

Processing Information

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V1 - Last Updated On	
V1 Input Form ID	
Created By	Shamica Zenn



Menu

PLANS

Segmentation Selection

Project Abengoa Mojave Solar Project

Plans STRUC-1-1.00X5 - Solar Collector Foundations - PCF

Select Client
 Abengoa Mojave Solar P

- Home**
- Reference Manager**
- Client Action Party
- Project
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- My Account**
- Session**
- Logout

General Information

Submittal Title STRUC-1-1.00X5 - Solar Collector Foundations - PCF

Submittal Description CBO Approved

Transmittal Number

Client Submittal Date 01/09/2012

Due Date

Due Date Comments

Client Date

Expedite

Expedite Instructions

Letter of Transmittal



2011.12.27-North_Alpha_East_Collector_Field_Transmittal_3.pdf

Plan Checks - Pending

pcp Date

pcp Documents

pcp Comments

Plan Checks - Reviewed

pcr Date

pcr Documents

pcr Comments

CBO Approved

cboa Documents

cboa Date

cboa Comments

01/09/2012

PC1 - CBO Approved

- 6007-PLN-GFG-00-50-P008 - SIGNED dhl.pdf
- 6007-PLN-GFG-00-50-P009 - SIGNED dhl.pdf
- 6007-PLN-GFG-00-50-P010 - SIGNED dhl.pdf
- 6007-PLN-GFG-00-50-P011 - SIGNED dhl.pdf
- 6007-PLN-GFG-00-50-P012 - SIGNED dhl.pdf
- 6007-PLN-GFG-00-50-P013 - SIGNED dhl.pdf
- 6007-PLN-GFG-00-50-P014 - SIGNED dhl.pdf
- 6007-PLN-GFG-00-50-P015 - SIGNED dhl.pdf
- 6007-PLN-GFG-00-50-P016 - SIGNED dhl.pdf
- 6007-PLN-GFG-00-50-P017 - SIGNED dhl.pdf
- 6007-PLN-GFG-00-50-P018 - SIGNED dhl.pdf
- 6007-PLN-GFG-00-50-P019 - SIGNED dhl.pdf
- 6007-PLN-GFG-00-50-P020 - SIGNED dhl.pdf
- 6007-PLN-GFG-00-50-P021 - SIGNED dhl.pdf
- 6007-PLN-GFG-00-50-P022 - SIGNED dhl.pdf
- 6007-PLN-GFG-00-50-P023 - SIGNED dhl.pdf
- 6007-PLN-GFG-00-50-P024 - SIGNED dhl.pdf
- 6007-PLN-GFG-00-50-P002 - SIGNED dhl.pdf

CBO Approved			
	cboa Documents	cboa Date	cboa Comments
	6007-PLN-GFG-00-50-P003 - SIGNED dhl.pdf		
CBO Conditionally Approved			
	cboca Documents	cboca Date	cboca Comments
CBO Review-Comments			
	cborc Documents	cborc Date	cborc Comments
CBO Reference Only			
	cboro Documents	cboro Date	cboro Comments
Incomplete			
	incomplete Documents	incomplete Date	incomplete Comments
Saved Responses & Superseded Files			
	srsf Documents	srsf Date	srsf Comments
Email Notification			
Action Party	Hermsmeyer, Steve, steve.hermsmeyer@us.bureauveritas.com Sanchez, Frances, frances.sanchez@solar.abengoa.com Redell, Frederick, frederick.redell@solar.abengoa.com Bradley, Erin, 303-928-8500, erin.bradley@solar.abengoa.com Pochmara, Steven, steven.pochmara@teyma.abengoa.com User, Abengoa, abengoa@us.bureauveritas.com Stuckey, Matt, 415-391-1685, matt.stucky@solar.abengoa.com Clark, Dave, 314-275-1196, david.clark@abener.abengoa.com Rundquist, Dale, 916.651.2072, drundqui@energy.state.ca.us Sullivan, Kathleen, 303-928-8500, kathleen.sullivan@solar.abengoa.com		
Send Email to Action Party	Yes		
Lead Plan Reviewer	Lee, Daniel, daniel.lee@us.bureauveritas.com		
Send Email to Lead Plan Reviewer			
Plan Checker			
Send Email to Plan Checker?			
Processing Information			
Modified By	Shamica Zenn		
Last Modification Date	01/09/2012		
V1 - Last Updated By			
V1 - Last Updated On			
V1 Input Form ID			
Created By	Shamica Zenn		



Menu

PLANS

Segmentation Selection

Project Abengoa Mojave Solar Project

Plans STRUC-1-1.00X6 - Solar Collector Foundations - PCF

Select Client
Abengoa Mojave Solar P

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- Document Manager**
 - Plans
 - Plans Search
 - Electronic Signature Bank
 - Administrative Documents
 - Administrative Documents Search
 - Final Test Documents
 - Final Test Documents Search
- Inspection Manager**
 - Inspection Request
 - Inspection Request Search
 - Inspection Report
 - Inspection Report Search
 - Special Inspections
 - Inspectors Daily Report
 - Inspectors Daily Report Search
 - Weekly Report
 - Weekly Report Search
 - Non-Conformity Report
 - Non-Conformity Report Search
- My Account**
 - Session
 - Logout

General Information

Submission Title STRUC-1-1.00X6 - Solar Collector Foundations - PCF

Submission Description CBO Approved

Transmittal Number

Client Submittal Date 01/06/2012

Due Date

Due Date Comments

Client Date

Expedite

Expedite Instructions

Letter of Transmittal 2011.12.31-Middle_Alpha_East_Collector_Field_Transmittal2.pdf

Plan Checks - Pending

pcp Date	pcp Documents	pcp Comments
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Plan Checks - Reviewed

pcr Date	pcr Documents	pcr Comments
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CBO Approved

cboa Documents	cboa Date	cboa Comments
6007-PLN-GFG-00-50-P064 - SIGNED dhl.pdf	01/06/2012	PC1 - CBO Approved
6007-PLN-GFG-00-50-P065 - SIGNED dhl.pdf		
6007-PLN-GFG-00-50-P066 - SIGNED dhl.pdf		
6007-PLN-GFG-00-50-P067 - SIGNED dhl.pdf		
6007-PLN-GFG-00-50-P068 - SIGNED dhl.pdf		
6007-PLN-GFG-00-50-P069 - SIGNED dhl.pdf		
6007-PLN-GFG-00-50-P070 - SIGNED dhl.pdf		
6007-PLN-GFG-00-50-P071 - SIGNED dhl.pdf		
6007-PLN-GFG-00-50-P072 - SIGNED dhl.pdf		
6007-PLN-GFG-00-50-P073 - SIGNED dhl.pdf		
6007-PLN-GFG-00-50-P074 - SIGNED dhl.pdf		
6007-PLN-GFG-00-50-P075 - SIGNED dhl.pdf		
6007-PLN-GFG-00-50-P076 - SIGNED dhl.pdf		
6007-PLN-GFG-00-50-P077 - SIGNED dhl.pdf		
6007-PLN-GFG-00-50-P078 - SIGNED dhl.pdf		
6007-PLN-GFG-00-50-P079 - SIGNED dhl.pdf		
6007-PLN-GFG-00-50-P080 - SIGNED dhl.pdf		
6007-PLN-GFG-00-50-P081 - SIGNED dhl.pdf		

CBO Approved

cboa Documents	cboa Date	cboa Comments
 6007-PLN-GFG-00-50-P082 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P083 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P028 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P029 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P030 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P031 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P038 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P039 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P040 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P041 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P042 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P043 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P044 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P045 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P046 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P047 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P048 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P049 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P050 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P051 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P052 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P053 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P054 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P055 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P056 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P057 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P058 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P059 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P060 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P061 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P062 - SIGNED dhl.pdf		
 6007-PLN-GFG-00-50-P063 - SIGNED dhl.pdf		

CBO Conditionally Approved

cboca Documents	cboca Date	cboca Comments
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CBO Review-Comments

cborc Documents	cborc Date	cborc Comments
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CBO Reference Only

cboro Documents	cboro Date	cboro Comments
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CBO Reference Only

Incomplete

incomplete Documents	incomplete Date	incomplete Comments
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Saved Responses & Superseded Files

srsf Documents	srsf Date	srsf Comments
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Email Notification

Action Party	Hermsmeyer, Steve, steve.hermsmeyer@us.bureauveritas.com Sanchez, Frances, frances.sanchez@solar.abengoa.com Redell, Frederick, frederick.redell@solar.abengoa.com Bradley, Erin, 303-928-8500, erin.bradley@solar.abengoa.com Pochmara, Steven, steven.pochmara@teyma.abengoa.com User, Abengoa, abengoa@us.bureauveritas.com Stuckey, Matt, 415-391-1685, matt.stucky@solar.abengoa.com Clark, Dave, 314-275-1196, david.clark@abener.abengoa.com Rundquist, Dale, 916.651.2072, drundqui@energy.state.ca.us Sullivan, Kathleen, 303-928-8500, kathleen.sullivan@solar.abengoa.com
Send Email to Action Party	Yes
Lead Plan Reviewer	
Send Email to Lead Plan Reviewer	No
Plan Checker	
Send Email to Plan Checker?	No

Processing Information

Modified By	Shamica Zenn
Last Modification Date	01/06/2012
V1 - Last Updated By	
V1 - Last Updated On	
V1 Input Form ID	
Created By	Shamica Zenn

Appendix F
Worker Safety

Monthly Safety Inspection Report
John Rusin, Construction Safety Supervisor
January 2012

- **Record of all employees trained for the month**

35 New Employee Orientations were completed in the month of January 2012
39 Visitor Safety Orientations were completed in the month of January 2012

- **Summary report of safety management actions and safety-related incidents that occurred during the month;**

The site was shut down early three times due to high winds and dust issues.

- **Report of any continuing or unresolved situations and incidents that may pose danger to life or health;**

The 25 mph speed limit on Harper Lake Road is extremely dangerous. We have had several instances of 4 or 5 cars driving to our site being passed at once. There are approximately 75 to 100 cars driving to the site daily. This number will increase during the next few months. I am extremely concerned that the additional traffic will make a bad situation worse.

- **Report of accidents and injuries that occurred during the month.**

We have worked 59,043 hours with no recordable injuries; 22,950 in the month of January.

Safety Conditions Check List

Internal by Work Site

Project	
Activities performed:	
Safety Inspection Report	
Record periodically (weekly)	

Date:	Time:	Project Name & Number
02/02/2012	3:00 pm	Mojave Solar Project -4A6007
Inspected by:		Title
John R. Rusin		Site Safety Manager
Accompanied by:		Title

A	Safety & Risk Management Program Administration & Record Keeping	Values				Comments
		1	2	3	N/A	
1	Is there a Safety Manual, 29CFR1926 and HazCom Manuals available on-site?			3		
2	Are there Weekly Safety meetings (Toolbox Talks) conducted and documented?			3		
3	Is the Weekly Job Safety Inspection conducted and documented?			3		
4	Are the Federal & State Labor Notices posted in a conspicuous location?			3		
5	Are the Emergency phone numbers & Doctors list posted conspicuously?			3		
6	Are the Company vehicle operators authorized per company policy?		2			
7	Are the New employee orientations documented for all new subcontractor employees?			3		
8	Are the PM Follow up letters to subcontractors re: Serious Violations on file?				N/A	
9	Is the approved safety plan including the emergency action plan on site?			3		
10	Is the Safety Plan updated to reflect any/all scope changes?			3		
B	Ladders & Stairways - OSHA Subpart X	Values				Comments
1	Are the ladders inspected for defects?			3		
2	Are straight ladders extend 3 ft. above landing?				N/A	
3	Are straight ladders pitched at 1 ft. out from vertical for every 4 ft. of height?				N/A	
4	Are straight ladders secured in place?				N/A	
5	Are the straight ladders equipped with safety feet?				N/A	

Safety Conditions Check List

Internal by Work Site

6	Are the step ladders used only in open position?			3	
7	Are the stepladders tall enough for job without using top step, second step from top step or platform?			3	
8	Is the use on non-conductive (non metal) ladders only in proximity of electricity?			N/A	
9	Are the stairways, ramps, and landing are equipped with rails and handrails?			3	
10	Are the stairways and/or landings in use poured, filled, finished and free of debris, slip, trip or fall hazards?			3	
11	Are the stairways adequately lighted?			N/A	
12	Do the permanent ladders meet OSHA 1910 standards?			N/A	
C	Fall Protection OSHA - Subpart M	Values			Comments
1	Are the floor/roof deck openings protected with properly secured and marked covers or guardrails?			3	Numerous concrete pipe openings have been discovered and flagged
2	Are the wall openings/open-sided floors protected with fall protection/prevention systems?			N/A	
3	Are the workers exposed to falls of 6' or more provided with and required to use personal fall arrest systems (PFAS) when not protected by guardrails?			3	
4	Are the exposed rebar in work areas properly protected - capped, etc.? Both vertical and horizontal?			N/A	
5	Are specialty trades, i.e., roofers, ironworkers, etc., working under fall protection plans prepared by them and approved by controlling contractor?			N/A	
6	Are the PFAS - Harnesses, Lanyards, Anchorage Points, Lifelines and Retractable inspected?			N/A	
7	Are the anchorage Points 5K per person?			N/A	
D	Demolition – OSHA Subpart T	Values			Comments
1	Is the Engineering Survey completed and documented?			N/A	
2	Is the work area "Identified & Protected", i.e., electricity, gas, water, sprinkler system?			3	
E	Scaffolds and Aerial Lifts – OSHA Subpart L	Values			Comments
1	Is there a competent Person, designated in writing, assigned to supervise operations and conduct documented daily inspections and on-site full time?			3	
2	Are the working surfaces 6' or higher equipped with guardrails?			3	
3	Are the working surfaces clear of debris, slip, trip and fall hazards?			3	
4	Are the plumbs, tied in as necessary, safe footing, base plates, mudsills assembled and erected properly -? Are they equipped with all pins and bracing? Is a complete platform?			N/A	

Safety Conditions Check List

Internal by Work Site

5	Is there a safe means of access to platform provided?			3		
6	Are the wheels locked on rolling units when platform occupied?				N/A	
7	Are the scaffolds at least 10 ft. from energized power lines?				N/A	
8	Are the workers tied off in articulating boom lift?			3		
9	Is the aerial lift on level surface?				N/A	
10	Has safety been notified in advance of erecting a suspended scaffold?				N/A	
11	Is there a competent Scaffold Person inspected and signed-off on scaffold prior to each shift daily?				N/A	
11	Is a Tagging system used?				N/A	
F	Excavations & Trenches – OSHA Subpart P	Values			Comments	
1	Is there a competent Person, designated in writing, assigned to supervise operations and conduct documented daily inspections and on site full time?			3		
2	Are all excavations and trenches 5 ft. or greater in depth equipped with Protective Systems (shoring/shielding or sloped/benched)?			3		
3	Are the ladders or other means of quick exit within 25 ft. of lateral travel for workers?			3		
4	Is the Spoil pile at least 3 ft. from edge of excavation or trench?			3		
5	Are the Underground utilities located & marked before excavation starts? (Verify ticket/maps/plans)			3		
6	Are the barricades provided around all open excavations?		2			
7	Is the Equipment kept at proper distance from occupied excavations/trenches to minimize risk of cave-in or equipment falling in on workers?			3		
8	IF 20' OR DEEPER Has Safety been notified?				N/A	
9	IF 20' OR DEEPER, are the protective systems designed by a RPE?				N/A	
10	Are the Surface and subsurface encumbrances identified?			3		
11	Are the Water, atmospheric conditions, & surcharge loads considered?			3		
G	Motor Vehicles, Mechanized Equipment – OSHA Subpart	Values			Comments	
1	Are the Tractors, backhoes, other vehicles equipped with operable backup alarms?			3		
2	Are the Operators required wearing seat belts when provided on equipment?			3		
3	Is the Forklift/Lull operator certification documented and available on project?			3		
4	Is a High visible vest worn around earth moving equipment?			3		
H	Electrical – OSHA Subpart K	Values			Comments	

Safety Conditions Check List

Internal by Work Site

1	Are the Ground fault circuit interrupters (GFCI) used with all temporary wiring, e.g., extension cords and power from welding machines?			3	
2	Is the GFCI in good appearance and in working order?			3	
3	Are All tools and equipment inspected for defects in cords and plugs?			3	
4	Are the Extension cords and ground pins are in good condition?			3	
5	Are the Sources of electricity, such as energized panel boxes, overhead lines, etc., properly marked, barricaded and protected? Inspected by a Qualified Person?				N/A
6	Is there an adequate lockout/tag out/try out procedures in place to protect employees?			3	
7	Is the Temporary Lighting installed properly? (i.e. parking, construction trailer, & site)				N/A
I	Personal Protective Equipment – OSHA Subpart E	Values			Comments
1	Is an adequate eye protection available and worn when required?			3	
2	Is a Hearing protection available and used when necessary?			3	
3	Are Hard hats available and worn at all times?			3	
4	Are Work boots with protective toes worn by all employees?			3	
5	Are All employees wearing shirts with sleeves?			3	
6	Is a Hand protection available and in use when required?			3	
7	Is there a Written respirator program available?			3	
8	Are they Using N95 respirators for "voluntary use"?			3	
9	Are the PFAS inspected by employees prior to use?				N/A
J	Fire Prevention – OSHA Subpart F	Values			Comments
1	Are the flammable/combustible liquids stored away from ignition sources and identified by warning signs?			3	
2	Are the approved metal safety cans utilized for storing all liquid flammables?			3	
3	Are the fuel tanks surrounded by containment and 20' from building?			3	
4	Is an Adequate number of charged fire extinguishers available? Within 75'?			3	
5	Are the Extinguishers properly located, protected, Inspected?			3	
6	Are the Flammable/combustible debris & storage kept away from welding & cutting?			3	
K	Welding & Cutting - OSHA Subpart J	Values			Comments
1	Are welding leads in good condition?			3	
2	Is a Portable fire extinguisher located within 20' of all welding operations?			3	

Safety Conditions Check List

Internal by Work Site

3	Are Fire blankets available and used to cover combustible material located around welding operations?			3	
4	Are Hot Work Permits used when required?			3	
5	Is an Adequate use of fire curtains to enclose and shield welding operations?			3	
6	Are Hoses, torches, and gauges free from defects, dirt and hydrocarbons such as oil and grease?			3	
7	Are Regulators provided with flash arrestors?			3	
8	Are Welding / cutting helmets, eye protection, gloves, bibs, face shields available and properly used when necessary?			3	
9	Are the Stored oxygen and fuel cylinders separated by a minimum of 20 ft. with valve protection caps in place?			3	
10	Are All cylinders firmly secured in upright position?		2		
11	Are Cylinders secured to welding cart, valve closed and caps on when not in use?			3	
12	Are Empty and full cylinders separated and marked?			3	
13	Are Flammable gas cylinders and oxygen gas cylinders are separated 20' apart?			3	
L	Tools – Hand & Powered – OSHA Subpart I	Values			Comments
1	Are Tools and equipment in good condition?			3	
2	Is the Defective equipment tagged as such and removed from work area?			3	
3	Are Tools and equipment guards and handles in place and in good condition?			3	
4	Are the Powder actuated tool operators properly trained and documented?			N/A	
M	Confined Space Entry - OSHA 29CFR1910.146	Values			Comments
1	Is a competent Person / Entry Supervisor designated in writing? On site full time?			N/A	
2	Is an Entry permit properly issued prior to work starting?			N/A	
3	Is the Air sampling equipment available and properly used? Calibrated?			N/A	
4	Are the Air samples show acceptable oxygen concentrations of (19.5% to 23.5%)?			N/A	
5	Are the Air samples show space is free of toxic/flammable/explosive gases?			N/A	
6	Is there a Trained attendant assigned to maintain constant contact with workers inside space?			N/A	
7	Is there Trained person assigned to recheck air quality frequently throughout the project?			N/A	
8	Is there an Emergency rescue plan and equipment in place?			N/A	
N	Hazard Communication - OSHA 29CFR1910.1200	Values			Comments
1	Is there an Abencs, Subcontractor MSDS's available?			3	
2	Is there an Abencs's List of Hazardous Chemicals current?			3	

Safety Conditions Check List

Internal by Work Site

3	Is there an Abencs, Subcontractor written programs on site?			3	
4	Are the Containers labelled? Are the Notices posted?			3	
O	Health and Safety - OSHA Subparts C & D	Values			Comments
1	Is illumination, task lighting adequate?			N/A	
2	Are sanitary facilities adequate and clean?			3	
3	Is drinking water properly dispensed and community water containers cleaned and secured?			3	
4	Is First Aid kit stocked including latex gloves and Bloodborne cleanup kit?			3	
5	Are Eye wash stations available & accessible?			3	
P	Housekeeping - OSHA Subparts C & D	Values			Comments
1	Are Suitable containers available for disposal of trash, debris and recyclables?	1			Do not have contract with recycling Company
2	Are Walkways, aisles, hallways and passageways clear of trash, debris, materials?			3	
3	Are Tools not in use stored in job boxes?			3	
4	Is the Equipment not in use stored properly?			3	
5	Are Pipes and other materials stored kept neatly?			3	
6	Are Appropriate sub-contractors dumpsters available?			3	
Q	Cranes and Hoists - OSHA Subpart N	Values			Comments
1	Are Operator's "daily inspections" available for review?			3	
2	Is there an Annual Inspection and 3 rd party crane inspection documented?			3	
3	Are the Swing radius barricaded?			3	
4	Are the Hydraulic crane outriggers padded and on stable ground?			3	
5	Are the Power lines at safe distance? De-energized or protected? (Check clearance heights)			3	
6	Are the Uniform signals properly used?			3	
7	Are Cable and slings regularly inspected and in good condition? Red is dead!			3	
8	Are Operable safety catches provided on load hooks?			3	
9	Is there a Proper rigging used for loads?			3	
10	Are the Operator qualifications on site?			3	
11	Is a competent training person involved with safe rigging practices?			3	
R	Abatement & Remediation - OSHA Subparts D & Z	Values			Comments
1	Is the Personnel trained & medically qualified including fit tests? Documentation on site?			N/A	
2	Are the three work zones delineated?			N/A	
3	Are workers wearing the correct level of protection?			3	

Safety Conditions Check List

Internal by Work Site

4	Is on-going air monitoring documented?				N/A	
5	Are vision panels installed where practical?				N/A	
5	Public Safety & General Liability – ANSI A.10-30-2001	Values			Comments	
1	Is an adequate placement of flashers, barricades, signs around excavations and equipment or materials located in foot/vehicle traffic areas?			3		
2	Is Security in place? Is the Access control plan established?			3		
3	Is the fencing erected around laydown/material storage areas?	1				Fencing company will be on site next week to begin.
4	Is the Site lighting meets 5-foot candles?	1				Site lighting does not exist
5	Have All contractors submitted COI?				N/A	
6	Are the way (Traffic signs) signs clear?			3		
7	Are the Off-site work hazards identified?			3		
Safety Deficiency Point Reduction						
Inspection Score: 236 - = 97%						
<p><u>Comments</u> Alpha west is now cleared of shrubs, hazards marked and open for workers. Asbestos abatement complete.</p> <ul style="list-style-type: none"> ▪ Worked 59,043 hours with no recordable injuries. ▪ Asbestos pipe abatement complete ▪ Grubbing and clearing brush on site complete ▪ 177 New employee Orientations completed to date ▪ 97 Visitor Safety Orientations completed to date ▪ 28 New employee orientations have been completed the month on November <p>Weekly Safety Meeting and daily TSA's covered Carbon Monoxide, Avoiding cuts and bruises, Hand protection, Electrical Safety, and positioning of monitors with regards to asbestos abatement and Heavy equipment.</p>						

Appendix G
Compliance Matrix

Date Modified: 2/14/2012		ABENGOA SOLAR	Document	COMPLIANCE MATRIX	
			Project	MOJAVE SOLAR PROJECT	
			Location	Harper Lake, California	
Cond. #	Sort Code	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Status
COMPLIANCE-1	PC, CONS, COMM, OPS	The CPM, responsible Energy Commission staff, and delegated agencies or consultants shall be guaranteed and granted unrestricted access to the power plant site, related facilities, project-related staff, and the records maintained onsite, for the purpose of conducting audits, surveys, inspections, or general site visits. Although the CPM will normally schedule site visits on dates and times agreeable to the project owner, the CPM reserves the right to make unannounced visits at any time.	As required		Ongoing
COMPLIANCE-2	PC, CONS, COMM, OPS	Maintain project files on-site or at an alternative site approved by the CPM for the life of the project, unless a lesser period of time is specified by the Conditions. The files shall contain copies of all "as-built" drawings, documents submitted as verification for Conditions, and other project-related documents. Energy Commission staff and delegate agencies shall, upon request, be given unrestricted access to the files maintained pursuant to this Condition.	As required		Not Started
COMPLIANCE-3	PC, CONS, COMM, OPS	Verification and Submittal Instructions	As required		Ongoing
COMPLIANCE-5	PC, CONS, COMM, OPS	A compliance matrix shall be submitted to the CPM along with each monthly and annual compliance report.	MCR/ACR	Monthly, Annually	Ongoing
COMPLIANCE-6	PC, CONS, COMM, OPS	The first MCR is due one month following the Energy Commission business meeting date upon which the project was approved, unless otherwise agreed to by the CPM. The first MCR shall include the AFC number and an initial list of dates for each of the events identified on the Key Events List found at the end of this section of the Decision. During pre-construction and construction of the project, submit an original and an electronic searchable version of the MCR within 10 working days after the end of each reporting month. MCR shall be clearly identified for the month being reported.	10 working days after end of each month	Monthly	Ongoing
COMPLIANCE-7	COMM, OPS	ACR: After construction is complete, the project owner shall submit Annual Compliance Reports instead of Monthly Compliance Reports. The reports are for each year of commercial operation and are due to the CPM each year at a date agreed to by the CPM. Annual Compliance Reports shall be submitted over the life of the project unless otherwise specified by the CPM.	ACR	Annually	Not Started
COMPLIANCE-9	PC, CONS, COMM, OPS	Annual Energy Facility Compliance Fee: Pursuant to the provisions of section 25806(b) of the Public Resources Code, the project owner is required to pay an annual compliance fee, which is adjusted annually.	Day of Comm. Dec., Annually thereafter by July 1	Sept. 16, 2010; Annually thereafter by July 1	Ongoing
COMPLIANCE-10	PC, CONS, COMM, OPS	The telephone number shall be posted at the project site and made easily visible to passersby during construction and operation. All recorded complaints shall be responded to within 24 hours.	within 24 hours of receipt	within 24 hours of receipt	
COMPLIANCE-10	PC, CONS, COMM, OPS	Any changes to the telephone number shall be submitted immediately to the CPM, who will update the web page.	As required		
COMPLIANCE-10	PC, CONS, COMM, OPS	The project owner shall report and provide copies to the CPM of all complaint forms, including noise and lighting complaints, notices of violation, notices of fines, official warnings, and citations, within 10 days of receipt. Complaints shall be logged and numbered. Noise complaints shall be recorded on the form provided in the NOISE Conditions of Certification. All other complaints shall be recorded on the complaint form located at the end of this section.	within 10 days of receipt	within 10 days of receipt	Ongoing
COMPLIANCE-11	OPS	Planned closure: In order to ensure that a planned facility closure does not create adverse impacts, a closure process that provides for careful consideration of available options and applicable laws, ordinances, regulations, standards, and local/regional plans in existence at the time of closure, will be undertaken. To ensure adequate review of a planned project closure, the project owner shall submit a proposed facility closure plan to the Energy Commission for review and approval at least 12 months (or other period of time agreed to by the CPM) prior to commencement of closure activities. The project owner shall file 120 copies (or other number of copies agreed upon by the CPM) of a proposed facility closure plan with the Energy Commission.	12 months (or other period of time agreed to by the CPM) prior to commencement of closure activities		Not Started

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COMPLIANCE-11	OPS	Prior to submittal of the proposed facility closure plan, a meeting shall be held between the project owner and the Energy Commission CPM for the purpose of discussing the specific contents of the plan. In the event that there are significant issues associated with the proposed facility closure plan's approval, or the desires of local officials or interested parties are inconsistent with the plan, the CPM shall hold one or more workshops and/or the Energy Commission may hold public hearings as part of its approval procedure.	Prior to submittal of closure plan		Not Started
COMPLIANCE-12	COMM	Unplanned Temporary Closure/On-Site Contingency Plan: In order to ensure that public health and safety and the environment are protected in the event of an unplanned temporary facility closure, it is essential to have an on-site contingency plan in place. The on-site contingency plan will help to ensure that all necessary steps to mitigate public health and safety impacts and environmental impacts are taken in a timely manner. The project owner shall submit an on-site contingency plan for CPM review and approval. The plan shall be submitted no less than 60 days (or other time agreed to by the CPM) prior to commencement of commercial operation. The approved plan must be in place prior to commercial operation of the facility and shall be kept at the site at all times.	60 days prior to COD		Not Started
COMPLIANCE-12	OPS	Other Unplanned Closure Instructions	Various	Various	When Needed
COMPLIANCE-13	OPS	Unplanned Permanent Closure/On-Site Contingency Plan: The on-site contingency plan required for unplanned temporary closure shall also cover unplanned permanent facility closure. All of the requirements specified for unplanned temporary closure shall also apply to unplanned permanent closure. In addition, the on-site contingency plan shall address how the project owner will ensure that all required closure steps will be successfully undertaken in the event of abandonment. In the event of an unplanned permanent closure, the project owner shall notify the CPM, as well as other responsible agencies, by telephone, fax, or e-mail, within 24 hours and shall take all necessary steps to implement the on-site contingency plan. The project owner shall keep the CPM informed of the status of all closure activities.	within 24 hours of unplanned temporary closure	within 24 hours of unplanned temporary closure	When Needed
COMPLIANCE-14	PC, CONS, COMM, OPS	Amendments, Ownership Changes, Staff Approved Project Modifications and Verification Change Instructions	As required		NA
AQ-SC3	CONS	Provide the CPM the following to demonstrate control of fugitive dust emissions: A summary of all actions taken to maintain compliance with this condition; Copies of any complaints filed with the District in relation to project construction; and Any other documentation deemed necessary by the CPM and AQCOMM to verify compliance with this condition. Such information may be provided via electronic format or disk.	MCR	Monthly	Ongoing
AQ-SC4	CONS	Provide a summary of all actions taken to maintain compliance with this condition; copies of any complaints filed with the District in relation to project construction; and any other documentation deemed necessary by the CPM and AQCOMM to verify compliance with this condition.	MCR	Monthly	Ongoing
AQ-SC5	CONS	Include the following to demonstrate control of diesel construction-related emissions: summary of all actions taken to control diesel construction related emissions; list of all heavy equipment used on site during that month, including the owner of that equipment and a letter from each owner indicating that equipment has been properly maintained; and any other documentation deemed necessary by the CPM or AQCOMM to verify compliance with this condition. Such information may be provided via electronic format or disk.	MCR	Monthly	Ongoing
AQ-SC6	COMM	Submit to the CPM a copy of the plan that identifies the size and type of the on-site vehicle and equipment fleet and the vehicle and equipment purchase orders and contracts and/or purchase schedule.	30 days prior to COD		Not Started
AQ-SC6	OPS	The plan shall be updated every other year.	ACR	Biennially	Not Started
AQ-SC7	COMM	Submit to CPM for review and approval a copy of site ODCP that identifies the dust and erosion control procedures including effectiveness and environmental data for the proposed soil stabilizer, that will be used during operation of the project and that identifies all locations of the speed limit signs.	30 days prior to COD		Not Started
AQ-SC7	OPS	Provide CPM a report identifying the locations of all speed limit signs and a copy of the project employee and contractor training manual that clearly identifies that project employees and contractors are required to comply with the dust and erosion control procedures and on-site speed limits.	60 days after COD		Not Started

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AQ-SC8	CONS & OPS	Submit any ATC, PTO, and proposed federal air permit modifications to the CPM within five working days of its submittal either by 1) the project owner to an agency, or 2) receipt of proposed modifications from an agency. Submit all modified ATC/PTO documents and all federal air permits to the CPM within 15 days of receipt.	Within 5 days of its submittal or receipt		When Needed
AQ-SC9	CONS	Provide documentation regarding any requests from the residents to be relocated for longer periods during construction and the actions taken to evaluate those requests.	MCR	Monthly	When Needed
AQ-1	COMM & OPS	Aux Boilers, operation: Make site available for inspection of records by representatives of the District, ARB, and the Energy Commission upon request.	As required		
AQ-2	COMM & OPS	Aux Boilers, fuel: Make the site available for inspection of records by representatives of the District, ARB, and the Energy Commission upon request.	As required		
AQ-3	OPS	Aux Boilers: Include information demonstrating compliance with boiler emission rates.	ACR	Annually	
AQ-4	OPS	Aux Boilers, tuning: Make site available for inspection of records by representatives of the District, ARB, and the Energy Commission.	Prior to expiration date annually	Annually	
AQ-5	OPS	Aux Boilers, operations log: Make site available for inspection of records and equipment by representatives of the District, ARB, and the Energy Commission.	As required		
AQ-6	COMM	Aux Boilers, initial compliance tests: Notify the District and CPM prior to execution of test.	15 working days prior to test		
AQ-6	COMM	Submit test results to the District and CPM.	Within 180 days of initial startup		
AQ-7	OPS	Aux Boilers, annual compliance tests: Notify District of intention to perform tests.	15 business days prior to Annual test	15 business days prior to Annual test	
AQ-7	OPS	Test results submitted to the District and CPM.	6 weeks prior to expiration of permit		
AQ-8	OPS	Aux Boilers: Include information demonstrating compliance with boiler annual fuel use limit.	ACR	Annually	
AQ-9	OPS	HTF Ullage/Expansion System, operation: Make the site available for inspection of records by representatives of the District, ARB, and the Energy Commission.	As required		
AQ-10	OPS	Only HTF in system: Make the site available for inspection of records by representatives of the District, ARB, and the Energy Commission.	As required		
AQ-11	OPS	N2 blanket: Make the site available for inspection of records by representatives of the District, ARB, and the Energy Commission.	As required		
AQ-12	CONS & OPS	Temp. of N2 venting coolers: Provide the District and CPM manufacturer design specifications showing compliance with this condition . Have active temperature gauges that can be inspected to show compliance with this condition.	30 days prior to installation of ullage/expansion vent system		
AQ-13	CONS & OPS	HTF Storage Tank Temp./Cooler: Provide the District and CPM manufacturer design specifications showing compliance. Active temp. gauges should be available to be inspected to show compliance.	30 days prior to installation of HTF storage tanks		
AQ-14	CONS & OPS	Provide the District and CPM manufacturer design specifications showing compliance. Have active temperature gauges that can be inspected to show ongoing compliance.	30 days prior to installation of nitrogen condensing tanks		
AQ-15	CONS & OPS	Provide the District for review and approval and the CPM for review the required Inspection, Monitoring and Maintenance plan.	30 days prior to installation of HTF storage tanks and vent systems		
AQ-16	CONS	The inspection and maintenance plan shall be submitted to the CPM for review and approval .	30 days before delivery of HTF		
AQ-16	OPS	Provide the quantity of used HTF fluid removed from the system and the amount of new HTF fluid added to the system each year.	ACR	Annually	
AQ-16	OPS	Make the site available for inspection of HTF piping Inspection and Maintenance Program records and HTF system equipment by representatives of the District, ARB, and the Energy Commission.	As required		
AQ-17	COMM	Provide a compliance test protocol to the District for approval and CPM for review	Less than 60 days after startup		
AQ-17	COMM	Submit a test plan to the District for approval and CPM for review.	30 days prior to the compliance tests		
AQ-17	COMM	Notify the District and the CPM before the execution of the compliance tests required in AQ-18 and AQ-19.	10 working days prior to tests		
AQ-17	COMM	Test results shall be submitted to the District and to the CPM.	within 45 days after tests conducted		
AQ-18	COMM	Submit the test results to the District and to the CPM.	within 180 days after initial startup		
AQ-19	OPS	Include the test results demonstrating compliance with this condition.	ACR	Annually	

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AQ-19	OPS	Make site available for inspection of records by representatives of the District, ARB, and the Energy Commission.	As required		
AQ-20	OPS	Include the test results demonstrating compliance with this condition.	ACR	Annually	
AQ-20	OPS	Make the site available for inspection of records by representatives of the District, ARB, and the Energy Commission.	As required		
AQ-21	OPS	Submit a compliance plan of the toxic or hazardous substances for District approval and CPM review if current non-criteria substances in the HTF become regulated as toxic or hazardous substances.	As required		
AQ-22	OPS	Make site available for inspection of records and equipment by representatives of the District, ARB, and the Energy Commission.	As required	Annually	
AQ-23	OPS	Make site available for inspection of records and equipment by representatives of the District, ARB, and the Energy Commission.	As required		
AQ-24	COMM	The manufacturer guarantee data for the drift eliminator, showing compliance with this condition, shall be provided to the CPM and the District.	30 days prior to cooling tower operation		
AQ-24	OPS	Include information on operating emission rates to demonstrate compliance with this condition.	ACR	Annually	
AQ-25	COMM & OPS	The cooling tower recirculation water TDS content test results shall be provided to representatives of the District, ARB, and the Energy Commission upon request.	As required		
AQ-26	COMM	Provide an emissions calculation and water sample testing protocol to the District for approval and CPM for review.	30 days prior cooling tower water test		
AQ-27	OPS	Submit to the CPM the cooling tower operating data demonstrating compliance with this condition.	ACR	Annually	
AQ-28	OPS	Make site available for inspection of records and equipment by representatives of the District, ARB, and the Energy Commission.	As required	As required	
AQ-29	OPS	Make available at request the written drift eliminator maintenance procedures for inspection by representatives of the District, ARB, and the Energy Commission.	As required	As required	
AQ-30	OPS	Make site available for inspection of equipment and records by representatives of the District, ARB, and the Energy Commission.	As required	As required	
AQ-31	OPS	Make site available for inspection of equipment and fuel purchase records by representatives of the District, ARB, and the Energy Commission.	As required		
AQ-32	CONS	Provide the District and the CPM the specification of the hour meter.	30 days prior to installation of engine		
AQ-33	OPS	Make the site available for inspection of records and equipment by representatives of the District, ARB, and the Energy Commission.	As required		
AQ-34	OPS	Submit records required by this condition that demonstrating compliance with the sulfur content and engine use limitations of conditions AQ-28 and AQ-30 including a photograph showing the annual reading of engine hours.	ACR		
AQ-34	OPS	Make site available for inspection of records by representatives of the District, ARB, and the Energy Commission.	As required		
AQ-35	OPS	Make site available for inspection of records and equipment by representatives of the District, ARB, and the Energy Commission.	As required		
AQ-36	OPS	Make site available for inspection of records and equipment by representatives of the District, ARB, and the Energy Commission.	As required		
AQ-37	OPS	Make site available for inspection of records and equipment by representatives of the District, ARB, and the Energy Commission.	As required		
AQ-38	COMM	Make site available for inspection of equipment by representatives of the District, ARB, and the Energy Commission.	As required		
AQ-39	OPS	Not necessary			
AQ-40	CONS	Submit engine specifications for review and approval demonstrating that the engines meet NSPS and ARB ATCM emission limit requirements at the time of engine purchase.	30 days prior to purchase		
AQ-41	COMM & OPS	Make site available for inspection of records and equipment by representatives of the District, ARB, and the Energy Commission.	As required		
AQ-42	OPS	Make site available for inspection of equipment and fuel purchase records by representatives of the District, ARB, and the Energy Commission.	As required		
AQ-43	OPS	Provide the District and the CPM the specification of the hour timer.	30 days prior to installation of engine		
AQ-44	OPS	Make the site available for inspection of records and equipment by representatives of the District, ARB, and the Energy Commission.	As required		
AQ-45	OPS	Submit records required by this condition that demonstrating compliance with the sulfur content and engine use limitations of conditions AQ-42, AQ-44 and AQ-46 including a photograph showing the annual reading of engine hours.	ACR	Annually	
AQ-45	OPS	Make the site available for inspection of records by representatives of the District, ARB, and the Energy Commission.	As required		

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AQ-46	COMM & OPS	Make the site available for inspection of records and equipment by representatives of the District, ARB, and the Energy Commission.	As required		
AQ-47	COMM	Make site available for inspection of equipment by representatives of the District, ARB, and the Energy Commission.	As required		
AQ-48	OPS	Not necessary	None		
AQ-49	CONS	Submit the engine specifications for review and approval demonstrating that the engines meet NSPS and ARB ATCM emission limit requirements at the time of engine purchase.	30 days prior to purchase		
AQ-50	CONS	Toll free number 1-800-635-4617 must be posted. Make site available for inspection of records by representatives of the District, ARB, and the Energy Commission.	As required		
AQ-51	OPS	Maintain a log of all inspections, repairs and maintenance on equipment subject to Rule 461. Make site available for inspection of records by representatives of the District, ARB, and the Energy Commission.	As required		
AQ-52	CONS	Any modifications or changes to the piping or control fitting of the vapor recovery system requires prior approval from the District. Make the site available for inspection of records by representatives of the District, ARB, and the Energy Commission.	As required		
AQ-53	CONS	Vapor vent pipes are to be equipped with Husky 5885 pressure relief valves or as otherwise allowed by EO. Make the site available for inspection of records by representatives of the District, ARB, and the Energy Commission.	As required		
AQ-54	COMM	Perform tests. Determination of Static Pressure Performance of Vapor Recovery Systems at Gasoline Dispensing Facilities with Aboveground Storage Tanks, Phase I Adapters, Emergency Vents, Spill Container Drain Valve etc, Liquid Removal Test.	60 days after construction completion		
AQ-54	OPS	Perform tests. Determination of Static Pressure Performance of Vapor Recovery Systems at Gasoline Dispensing Facilities with Aboveground Storage Tanks, Phase I Adapters, Emergency Vents, Spill Container Drain Valve etc, Liquid Removal Test.	ACR	Annually	
AQ-54		Notify the District prior to performing the required tests.	10 days prior to testing		
AQ-54	COMM & OPS	The test results shall be submitted to the District after completion of the tests and shall be made available to the CPM if requested.	30 days after completion of testing		
AQ-55	CONS & OPS	Shall be installed and maintained in accordance with EO VR-401-A for EVR Phase I, and standing loss requirements. Phase II Vapor Recovery System shall be installed and maintained per G-70-116-F with the exception that hanging hardware shall be EVR Balance Phase II type hanging hardware. Make site available for inspection of records by representatives of the District, ARB, and the Energy Commission.	As required		
AQ-56	COMM & OPS	Maintenance and repair of system components, including removal and installation of such components in the course of any required test, shall be performed by OPW Certified Technicians. Make site available for inspection of records by representatives of the District, ARB, and the Energy Commission.	As required		
AQ-57	OPS	Maintenance and repairs conducted by an OPW trained technician annually. Make site available for inspection of records by representatives of the District, ARB, and the Energy Commission.	As required		
AQ-58	OPS	Submit to the CPM gasoline throughput records demonstrating compliance.	ACR	Annually	
AQ-58	OPS	Maintain on site the annual gasoline throughput records and shall make the site available for inspection of records by representatives of the District, ARB, and the Energy Commission.	As required		
AQ-59	CONS & OPS	Install, maintain, and operate EVR Phase I in compliance with CARB EO VR-401-A, and Phase II vapor recovery in accordance with G-70-116-F. In the event of conflict between these permit conditions and/or the referenced EO's the more stringent requirements shall govern. Make the site available for inspection of records by representatives of the District, ARB, and the Energy Commission.	As required		
BIO-2	CONS	Submit to the CPM copies of all written reports and summaries that document biological resource compliance activities, including those conducted by Biological Monitors.	MCR	Monthly	Ongoing
BIO-4	CONS	Notify the CPM immediately (and no later than the following morning of the incident, or Monday morning in the case of a weekend) of any non-compliance or a halt of any site mobilization, ground disturbance, grading, construction, and operation activities. Also notify the CPM of the circumstances and actions being taken to resolve the problem.	Immediately as required		When Needed
BIO-4	CONS	Whenever corrective action is taken, a determination of success or failure will be made by the CPM within five working days after receipt of notice that corrective action is completed, or the project owner will be notified by the CPM that coordination with other agencies will require additional time before a determination can be made.	Immediately as required		When Needed

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BIO-5	CONS	Provide the number of persons who have completed the training in the prior month and a running total of all persons who have completed the training to date.	MCR	Monthly	Ongoing
BIO-5	CONS, COMM & OPS	Training acknowledgement forms signed during construction shall be kept on file by the project owner for a period of at least six months after the start of commercial operation. During operation signed statements for operational personnel shall be kept on file for 6 months following termination of employment.	As required		
BIO-6	CONS	Implementation of BRMIMP measures will be reported.	MCR	Monthly	Ongoing
BIO-6	COMM	Provide to the CPM, for review and approval, a written construction closure report identifying which items of the BRMIMP have been completed etc. (see COC)	30 days after completion of construction		Not Started
BIO-7	OPS	Provide to the CPM, for review and approval, a written construction termination report identifying how measures have been completed. Additional copies shall be provided to CDFG and USFWS.	30 days after completion of construction		Not Started
BIO-8	PC	Pre-Construction Nest Surveys and Impact Avoidance and Minimization Measures for Migratory Birds: Provide the CPM a letter-report describing the findings of the pre-construction nest surveys, including the time, date, and duration of the survey; identity and qualifications of the surveyor(s); and a list of species observed. If active nests are detected during the survey, the report shall include a map or aerial photo identifying the location of the nest and shall depict the boundaries of the no-disturbance buffer zone around the nest. Additional copies shall be provided to CDFG and USFWS.	10 days prior to site mobilization		Ongoing
BIO-13	PC	An addendum to the plan, which includes the pre-construction survey results and the CDFG approved amount of compensatory mitigation, shall be submitted.	10 days after completing burrowing owl surveys		In Progress
BIO-14	PC	American Badger and Desert Kit Fox Impact Avoidance and Minimization Measures: Submit report to CPM and CDFG after completion of badger and kit fox surveys. The report shall describe survey methods, results, mitigation measures implemented, and the results of the measures.	within 30 days of completion of surveys		In Progress
BIO-15	PC	Provide written verification to the CPM that the compensation lands or conservation easements have been acquired and recorded in favor of the approved recipients.	30 days prior to ground disturbance		Ongoing
BIO-15	COMM	Provide to the CPM verification that disturbance to desert tortoise and MGS habitat did not exceed 430 acres, and that construction activities did not result in impacts to desert tortoise, MGS, and burrowing owl habitat adjacent to work areas. If habitat disturbance exceeds that described in this analysis, the CPM shall notify of any additional funds required or lands that must be purchased.	90 days after construction completion		Not Started
BIO-15	PC	If electing to use an in-lieu fee provision, request from the Energy Commission a determination that the project's in-lieu fee proposal meets CEQA and CESA requirements.	As required		When Needed
BIO-16	CONS, COMM, OPS	The Designated Biologist shall submit annual reports to the CPM and CDFG describing the dates, durations and results of monitoring. Reports shall fully describe any actions taken to remedy regrowth. [Monitoring and maintenance of the site shall be conducted for five years unless less monitoring can be justified. Following the first year of monitoring, if the project owner petitions to terminate the monitoring program, staff and CDFG will determine whether more years are of monitoring are needed.]	ACR	Annually (for 1-5 years)	Not Started
BIO-16	CONS, OPS	The CPM and CDFG shall verify compliance with protective measures to ensure the accuracy of the PO's mitigation, monitoring and reporting efforts; and review relevant documents maintained by the project owner, interview the project owner's employees and agents, inspect the work site and take other actions as necessary to assess compliance with or effectiveness of protective measures.	None	Annually	Not Started
BIO-17	PC	Monitoring Impacts of Solar Collection Technology on Birds: Submit to the CPM, USFWS, and CDFG a draft Bird Monitoring Study.	60 days prior to ground disturbance		Verification Change
BIO-17	PC	Provide CPM with the final version of the Bird Monitoring Plan that has been reviewed and approved by the CPM, in consultation with CDFG and USFWS.	30 days prior to ground disturbance		Verification Change
BIO-17	OPS	Reports to the CPM, CDFG and USFWS describing the dates, durations and results of monitoring. Reports shall provide a detailed description of any project related bird or wildlife deaths or injuries detected.	Quarterly after COD, for at least 2 years		Not Started
BIO-17	OPS	Annual Report summarizing the year's data, analyzes any Project-related bird fatalities or injuries detected, and provides recommendations for future monitoring and any adaptive management actions needed. Provided to the CPM, CDFG, and USFWS.	ACR	Annually	Not Started
BIO-17	OPS	Quarterly reports shall continue until the CPM, in consultation with CDFG and USFWS, determine whether more years of monitoring are needed, and whether mitigation and/or adaptive management measures are necessary.	As required		Not Started

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BIO-17	OPS	Prepare a paper describing the study design and monitoring results to be submitted to a peer-reviewed scientific journal. Proof of submittal provided to the CPM within one year of concluding the monitoring study.	1 year after conclusion of study		Not Started
BIO-18	PC	Provide CPM, USFWS and CDFG with the final version of the Raven Management Plan that has been reviewed and approved by USFWS and CDFG. CPM shall determine the plan's acceptability within 10 days of receipt of the final plan.	30 days prior to ground disturbance		In Progress
BIO-18	COMM & OPS	Provide to the CPM for review and approval a report identifying which items of the Raven Plan have been completed, a summary of all modifications to mitigation measures made during the project's construction phase, and which items are still outstanding.	30 days after completion of construction		
BIO-19	COMM & OPS	Submit a draft Evaporation Pond Monitoring and Adaptive Management plan to the CPM that incorporates the guidance in this condition.	90 days prior to operation of evaporation ponds		
BIO-19	COMM & OPS	Provide the CPM, USFWS, RWQCB and CDFG with the final version of the Plan that has been reviewed and approved by the CPM in consultation with USFWS, RWQCB, and CDFG.	30 days prior to operation of evap ponds		
BIO-20	CONS	Provide proof, to the satisfaction of the CPM, that the alternate well is completed and able to effectively convey a minimum of 75 acre feet per year to the Harper Dry Lake Marsh. Proof shall include, but not be limited to, a description of the well parameters, as constructed.	15 days prior to decommissioning well		
CUL-1	PC	If additional CRMs are obtained during the project, the CRS shall provide additional letters to the CPM identifying the CRMs and attesting to the qualifications of the CRMs.	5 days prior to CRMs beginning on-site duties		When Needed
CUL-1	PC	Resumes of specialists provided to CPM for review and approval.	10 days prior to specialists begin work		When Needed
CUL-2	PC	If there are changes to any project-related footprint, revised maps and drawings shall be provided.	15 days prior to ground disturbance		When Needed
CUL-2	PC	If project construction is phased, if not previously provided, submit the subject maps and drawings.	15 days prior to each phase		Ongoing
CUL-2	CONS	Current schedule of anticipated project activity shall be provided to the CRS and CPM by letter, e-mail or fax.	Weekly during ground disturbance		
CUL-2	CONS	Provide written notice of any changes to scheduling of construction phase.	within 5 days of identifying changes		
CUL-4	CONS	Submit the Cultural Resources Report (CRR) to the CPM for review and approval. If any reports have previously been sent to the California Historical Resource Information System (CHRIS), then receipt letters from the CHRIS or other verification of receipt shall be included in an appendix.	90 days after completion of ground disturbance (including landscaping)		Not Started
CUL-4	CONS	Provide copy of agreement with, or other written commitment from, a curation facility that meets the standards stated in the CA State Historical Resources Commissions <i>Guidelines for the Curation of Archeological Collections</i> , to accept cultural materials, if any, from this project. Any agreements concerning curation will be retained and available for audit for the life of the project.	90 days after completion of ground disturbance (including landscaping)		Not Started
CUL-4	CONS	Provide documentation to the CPM confirming that copies of the CRR have been provided to the SHPO, the CHRIS and the curating institution, if archaeological materials were collected.	within 10 days of CPM approval		Not Started
CUL-4	CONS	Submit a draft CRR to the CPM for review and approval.	within 30 days after requesting a suspension of construction activities		Not Started
CUL-5	COMM	On a monthly basis, until ground disturbance is completed, the project owner shall provide in the MCR the WEAP Training Acknowledgement forms of workers at the project site and on the linear facilities who have completed training in the prior month and a running total of all persons who have completed training to date.	MCR	Monthly	Ongoing
CUL-6	CONS	While monitoring is on-going, include a copy of the monthly summary report of cultural resources-related monitoring prepared by the CRS.	MCR	Monthly	Ongoing
CUL-6	CONS	Daily, as long as no cultural resources are found, the CRS shall provide a statement that "no cultural resources over 50 years of age were discovered" to the CPM as an e-mail, or in some other form acceptable to the CPM. If the CRS concludes that daily reporting is no longer necessary, a letter or e-mail providing a detailed justification for the decision to reduce or end daily reporting shall be provided to the CPM for review and approval at least 24 hours prior to reducing or ending daily reporting.	Daily logs emailed to CPM		
CUL-6	CONS	Following the discovery of any Native American cultural materials, submit to the CPM copies of the information transmittal letters sent to the Chairperson of the Native American tribes or groups who requested the information. Additionally, submit to the CPM copies of letters of transmittal for all subsequent responses to Native American requests for notification, consultation, and reports and records and any comments or information provided in response by the Native Americans.	30 days after discovery of Native American Artifacts		When Needed

Cond. #	Sort Code	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Status
CUL-7	CONS	Completed DPR 523 forms for resources newly discovered during construction shall be submitted to the CPM for review and approval no later than 24 hours following the notification of the CPM, or 48 hours following the completion of data recordation/recovery, whichever the CRS decides is more appropriate for the subject cultural resource.	24 hours following the notification of the CPM,		When Needed
HAZ-1	OPS	Provide to the CPM a list of hazardous materials contained at the facility.	ACR	Annually	
HAZ-2	CONS	At least 60 days prior to receiving any hazardous material on the site for commissioning or operations, the project owner shall provide a copy of a final Hazardous Materials Business Plan, Spill Prevention, Control, and Countermeasure Plan, and a Process Safety Management Plan to the CPM for approval.	60 days prior to receiving hazardous material for COMM or OPS		
HAZ-3	PC	Provide a Safety Management Plan as described to the CPM for review and approval.	60 days prior to delivery of any liquid hazardous materials to facility		
HAZ-4	CONS	Provide the design drawings as described in COC HAZ-4 to the CPM for review and approval. [The project owner shall place an adequate number of isolation valves in the Heat transfer Fluid (HTF) pipe loops so as to be able to isolate a solar collector loop in the event of a leak of fluid.]	60 days prior to commencement of solar array construction		
HAZ-6	COMM	The project owner shall notify the CPM that a site-specific operations site security plan is available for review and approval.	30 days prior to initial receipt of hazardous materials on-site		
HAZ-6	COMM & OPS	In the annual compliance report, the project owner shall include a statement that all current project employee and appropriate contractor background investigations have been performed, and that updated certification statements have been appended to the operations security plan. In the annual compliance report, the project owner shall include a statement that the operations security plan includes all current hazardous materials transport vendor certifications for security plans and employee background investigations.	ACR	Annually	
HAZ-7	CONS	Provide the design drawings as described in COC HAZ-7 to the CPM for review and approval. [The project owner shall ensure that all pipes carrying heat transfer fluid (HTF), all command and control systems, and the fire water loop that are required to cross Harper Lake Road or Lockhart Road will be placed underground for the crossing.]	60 days prior to commencement of solar array piping construction		
LAND-1	OPS	Provide to the CPM updates on the status of farmland/easement purchase(s).	ACR	Annually	
LAND-2	OPS	Consistent with the requirements of COMPLIANCE-11, incorporate the applicable requirements of the San Bernardino County Development Code section 84.29.060, Decommissioning Requirements, into the AMS Facility Closure Plan, to the extent feasible, and in as much as the county requirements do not conflict with the California Energy Commission's requirements and standards related to the closure of power generating facilities. Consistent with the requirements of COMPLIANCE-11, submit the Facility Closure Plan to the CPM.	12 months prior to planned closure/decommissioning		
NOISE-2	CONS & OPS	The project owner shall file a Noise Complaint Resolution Form, shown below, with both the local jurisdiction and the CPM, that documents the resolution of the complaint. If mitigation is required to resolve the complaint, and the complaint is not resolved within a three-day period, the project owner shall submit an updated Noise Complaint Resolution Form when the mitigation is performed and complete.	within 5 days of receiving complaint		When Needed
NOISE-4	OPS	Conduct a 25 hour survey at LT-1 on a windy day, it shall include measurement of one-third octave band sound pressure levels to ensure no new pure-tone noise components have been caused by the project.	within 90 days of project achieving sustained output >= 90% of rated capacity		Not Started
NOISE-4	OPS	Submit a summary report to the CPM. Include a description of any additional mitigation measures necessary to achieve compliance with the listed noise limit, and a schedule for implementing these measures. When the measures are in place the survey shall be repeated.	within 30 days of completing survey		Not Started
NOISE-5	OPS	The project owner shall conduct an occupational noise survey to identify any noise hazardous areas in the facility.	after achieving sustained output >= 90% of rated capacity		Not Started
NOISE-5	OPS	Submit noise survey report to the CPM. Make the report available to OSHA and Cal-OSHA on request.	within 30 days of completing survey		Not Started
NOISE-7	COMM	Notify all residents and business owners within two miles of the project site. The notification may be in the form of letters, phone calls, fliers, or other effective means as approved by the CPM. The notification shall include a description of the purpose and nature of the steam blow(s), the planned schedule, expected sound levels, and explanation that it is a one-time activity and not part of normal plant operation. During steam blow activities, noise levels will be monitored at receptor locations LT-1, ST-1 and ST-2 and the results reported to the CPM.	15 days prior to the first steam blow		Not Started

Cond. #	Sort Code	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Status
PUBLIC HEALTH-1	COMM	The Cooling Water Management Plan shall be provided to the CPM for review and approval.	60 days prior to commencement of cooling tower operations		Not Started
SOIL&WATER-1	PC	Submit a copy of the Drainage, Erosion, and Sediment Control Plan (DESCP) to the County of San Bernadino and the RWQCB for review and comment. CPM shall consider comments from county and RWQCB and approve the DESCPC based upon comments as appropriate.	60 days prior to site mobilization		Approved as "living document"
SOIL&WATER-1	CONS	Provide an analysis on the effectiveness of the drainage, erosion, and sediment control measures and the results of monitoring and maintenance activities.	MCR	Monthly	Ongoing
SOIL&WATER-1	OPS	Provide information on the results of storm water BMP monitoring and maintenance activities. Also indicate what maintenance activities were completed to maintain the project's on-site storm water flow.	ACR	Annually	Ongoing
SOIL&WATER-2	COMM	Provide documentation to the CPM, with copies to the Lahontan RWQCB, demonstrating compliance with the WDRs established in Appendices C, D, and E.	60 days prior to wastewater or stormwater discharge or use of land treatment units		
SOIL&WATER-2	OPS	The project owner shall pay the annual waste discharge permit fee associated with this facility to the Water Boards.	Annually		
SOIL&WATER-3	COMM	Submit to the CPM a Channel Maintenance Plan for review and approval.	60 days prior to commercial operation		
SOIL&WATER-3	CONS & OPS	Ensure that the AMS project Construction and Operations Managers receive training on the Channel Maintenance Plan.	As required		
SOIL&WATER-3	OPS	Submit an Annual Channel Maintenance Report that specifies which maintenance activities were completed during the year including type of work, location, and measure of the activity (e.g. cubic yards of sediment removed).	ACR	Annually	
SOIL&WATER-4	CONS	Submit to the CPM a copy of the water well abandonment and construction packet submitted to the County of San Bernardino for review and comment.	60 days prior to the abandonment and const. of the on-site groundwater wells		Submitted. Approval ongoing.
SOIL&WATER-4	CONS	Submit a copy of any written comments received from the County of San Bernardino indicating whether the proposed well abandonment and construction activities comply with all county well requirements and meet the requirements established by the county's water well permit program.	30 days prior to construction of on-site water supply wells		
SOIL&WATER-4	CONS	Provide to the CPM copies of the Well Completion Reports submitted to the DWR by the well driller. Submit to the CPM, together with the Well Completion Report, a copy of well drilling logs, water quality analyses, and any inspection reports.	60 days after installation of each well		
SOIL&WATER-4	OPS	Provide the CPM with 2 copies of all monitoring and other reports required for compliance with the County of San Bernardino water well standards and operation requirements.	As required		
SOIL&WATER-4	CONS	Submit documentation to the CPM confirming that well drilling activities were conducted in compliance with Title 23, California Code of Regulations, Chapter 15, Discharges of Hazardous Wastes to Land, (23 CCR, sections 2510 et seq.) requirements and that any on-site drilling sumps used for project drilling activities were removed in compliance with 23 CCR section 2511(c).	15 days after completion of wells		
SOIL&WATER-5	CONS	Prepare a semi-annual summary report of the amount of water used for construction purposes. The summary shall include the monthly range and monthly average of daily water usage in gallons per day.	6 months after start of construction & ea. 6 mos. of construction	Semiannually	
SOIL&WATER-5	CONS & OPS	Prepare an annual summary report, which will include the maximum daily and monthly usage in gallons per day and the total monthly and annual usage in acre-feet. Following the first year of operation, the annual summary report will summarize the annual usage in tabular form. For calculating the total water use, the term "year" will correspond to the date established for the ACR submittal.	ACR	Annually	
SOIL&WATER-6	CONS	Submit to the CPM quarterly reports presenting all the data and information required in Item B above. Submit to the CPM all calculations and assumptions made in development of the report data and interpretations.	Quarterly during construction		
SOIL&WATER-6	OPS	Provide to the CPM, for review and approval, documentation showing that any mitigation to private well owners during project construction was satisfied, based on the requirements of the property owner as determined by the CPM.	60 days after commercial operation		
SOIL&WATER-6	OPS	Submit to CPM, applicable quarterly, semi-annual, and annual reports presenting all the data and information required in Item C above. Submit to the CPM all calculations and assumptions made in development of report data and interpretations, calculations, and assumptions used in development of any reports.	As required		

Cond. #	Sort Code	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Status
SOIL&WATER-6	OPS	Submit to the CPM for review and approval all documentation and calculations describing necessary compensation for energy costs associated with additional lift requirements.	30 days after CPM approval of well drawdown analysis		
SOIL&WATER-6	OPS	Submit to the CPM all calculations, along with any letters signed by the well owners indicating agreement with the calculations, and the name and phone numbers of those well owners that do not agree with the calculations.	As required		
SOIL&WATER-6	OPS	If mitigation includes monetary compensation, provide documentation to the CPM that compensation payments have been made by March 31 of each year of project operation or, if a lump-sum payment is made, payment shall be made by March 31 of the following year. Within 30 days after compensation is paid, submit to the CPM a compliance report describing compensation for increased energy costs necessary to comply with the provisions of this condition.	As required		
SOIL&WATER-6	OPS	After the first 5-year operational and monitoring period, and every subsequent 5-year period, submit a 5-year monitoring report to the CPM for review and approval. This report shall contain all monitoring data collected and provide a summary of the findings and a recommendation about whether the frequency of water level measurements should be revised or eliminated.	Every 5 years		
SOIL&WATER-7	PC	Pre-construction groundwater quality report in compliance with Item B shall be submitted to the CPM for review and approval.	30 days prior to construction		In Progress
SOIL&WATER-7	CONS & OPS	Semi-annually, by March 31 and September 31, submit Groundwater Quality Reports in compliance with Item D to the CPM for review and approval and to the BLM for review.	Semi-annually	03/31/20XX & 9/30/20XX	
SOIL&WATER-7	OPS	After the first 5-year operational and monitoring period, and every subsequent 5-year period, submit a 5-year monitoring report to the CPM, for review and approval, that contains all groundwater quality data collected and provides a summary of the findings and a recommendation about whether the frequency of groundwater quality data collection should be revised or eliminated.	Every 5 years		
SOIL&WATER-8	COMM & OPS	Prior to transport and offsite disposal of any facility operation wastewaters that are not suitable for treatment and reuse on-site, test and classify the stored wastewater to determine proper management and disposal requirements. All records of this testing and classification shall be maintain at the project site. Ensure that the wastewater is transported and disposed of in accordance with the wastewater's characteristics and classification and all applicable LORS (including any CCR Title 22 Hazardous Waste and Title 23 Waste Discharges to Land requirements).	As required		
SOIL&WATER-9	COMM	Submit to the County of San Bernardino appropriate fees and plans for review and comment for the construction and operation of the project's sanitary waste septic system and leach field. A copy of these plans shall be simultaneously submitted to the CPM for review and approval. These plans shall demonstrate compliance with the sanitary waste disposal facility requirements of County of San Bernardino Codes Title 3, Division 3, Chapter 8, Waste Management, Article 5, Liquid Waste Disposal and Title 6, Division 3, Chapter 3, and the Uniform Plumbing Code.	60 days prior to commercial operation		
SOIL&WATER-10	PC	Obtain a permit to operate a non-transient, noncommunity water system with the County of San Bernardino .	60 days prior to construction		Verification Change
SOIL&WATER-10	COMM & OPS	Supply updates annually for all monitoring requirements and submittals to County of San Bernardino related to the permit, and proof of annual renewal of the operating permit.	ACR	Annually	
SOIL&WATER-11	OPS	The volume of FPA sequestered shall be documented and submitted to the CPM and Watermaster. This documentation shall include a table showing the annual and cumulative total FPA sequestered.	ACR	Annually	
SOIL&WATER-12	OPS	Submit to the CPM a copy of the receipt from the MWA for the annual contribution; and an accounting of the following: i. The annual and cumulative volume of groundwater used by the project in acre-feet per year; ii. The annual and cumulative volume of FPA sequestered by the project in acre-feet per year; iii. The numerical difference between annual and cumulative totals in Items i and ii above; and iv. The annual and cumulative monetary contribution and estimated annual and cumulative volume of water conserved by the project owner's contribution to MWA's turf replacement program, high-efficiency toilet program, or other water conservation program approved by the CPM.	ACR	Annually	

Cond. #	Sort Code	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Status
SOIL&WATER-12	OPS	If owner proposes to reduce the amount of the annual contribution based on the water conservation achieved through previous contributions, provide a plan demonstrating how the adjusted amount will ensure the water conservation program meets the requirements of this condition. The plan shall be provided for CPM review and approval 60 days prior to the annual contribution anniversary date.	60 days prior to the annual contribution anniversary date		When Needed
TRANS-1	PC	Notify the County of San Bernardino and the CPM that the park-and-ride lot(s) are ready for usage and available for inspection.	30 days prior to site mobilization		
TRANS-3	COMM	Submit an analysis of the roadway pavement conditions to San Bernardino County and Caltrans for review and comment and to the CPM for review and approval. The review will include photographs, the visual analysis of pavement and sub-surface conditions and a schedule for repair.	60 days after the end of construction activities		
TRANS-3	COMM	Submit a letter to San Bernardino County, Caltrans, and the CPM indicating such repairs are finished and ready for inspection.	After completion of repairs		When Needed
TRANS-5	COMM & OPS	A record of hazardous deliveries shall be provided to the CPM as required in HAZ-3.	As required		
TSLN-2	OPS	All reports of line-related complaints shall be summarized for the project-related lines and included during the first five years of plant operation in the Annual Compliance Report.	ACR	Annually	
TSLN-3	CONS	File copies of the pre-and post-energization measurements with the CPM after completion of the measurements.	60 days after completion of the measurements		
TSLN-4	OPS	During the first five years of operation, the project owner shall provide a summary of inspection results and any fire prevention activities carried out along the rights-of-way and provide such summaries in the ACR for transmission line safety and nuisance-related requirements.	ACR, for first 5 years of operation		
TSLN-5	COMM & OPS	The project owner shall ensure that all permanent metallic objects within the right-of-way of the project-related lines are grounded according to industry standards regardless of ownership. Transmit to the CPM a letter confirming compliance with this condition.	30 days before lines are energized		
VIS-1	PC	At least 90 days prior to specifying to the vendor the colors and finishes of the first structures or buildings that are surface treated during manufacture, the project owner shall submit the proposed treatment plan to the CPM for review and approval. If the CPM determines that the plan requires revision, the project owner shall provide to the CPM a plan with the specified revision(s) for review and approval by the CPM before any treatment is applied. Any modifications to the treatment plan must be submitted to the CPM for review and approval. The review of any subsequent revisions shall be completed by the CPM within 15 days of receipt of the revisions.	90 days prior to specifying colors to vendor		Submitted to the CEC
VIS-1	COMM	The project owner shall notify the CPM that surface treatment of all listed structures and buildings has been completed and they are ready for inspection and shall submit one set of electronic color photographs from key observation points 1, 2, 3, 4, 5, 6, 7, and 8 analyzed in the Staff Assessment.	Prior to COD		
VIS-1	OPS	Provide a status report regarding surface treatment maintenance. Specify a): the condition of the surfaces of all structures and buildings at the end of the reporting year; b) maintenance activities that occurred during the reporting year; and c) the schedule of maintenance activities for the next year.	ACR	Annually	
VIS-2	COMM	The screening plan shall be submitted to the CPM for review and approval.	90 days prior to installation		
VIS-2	CONS	Completed DPR 523 forms for resources newly discovered during construction shall be submitted to the CPM for review and approval no later than 24 hours following the notification of the CPM, or 48 hours following the completion of data recordation/recover	7 days after completing screening		
VIS-2	OPS	Report maintenance activities, including replacement of plants that fail to thrive for the previous year of operation.	ACR, for first 5 years of operation	Annually	
VIS-3	CONS	Contact the CPM to show compliance with all of the above requirements. This shall include: final lighting plans, fixture and control schedules, fixture and control cut sheets and specifications, a photometric plan showing vertical and horizontal footcandles at all property lines to a height of 20 feet, and the proposed time clock schedule.	90 days prior to ordering exterior lighting		
VIS-3	PC, CONS, & COMM	Notify the CPM that the temporary and permanent lighting has been completed and is ready for inspection. If after inspection the CPM says that modifications to the lighting are needed, within 30 days of receiving that notification owner shall implement the modifications and notify the CPM that the modifications have been completed and are ready for inspection.	Prior to construction/Prior to operation		
VIS-3	CONS & OPS	Provide the CPM with a complaint resolution form report as specified in the Compliance General Conditions, including a proposal to resolve the complaint, and a schedule for implementation. A copy of the complaint resolution form report shall be submitted to the CPM within 30 days and included in the Annual Report.	within 48 hours of receiving lighting complaint		

Cond. #	Sort Code	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Status
VIS-4	PC	The screening plan shall be submitted to the CPM for review and approval.	90 days prior to installation		Submitted to the CEC
VIS-4	CONS	Notify the CPM that the screening is ready for inspection.	7 days after completing screening install		
VIS-4	OPS	Report maintenance activities, including replacement of damaged or destroyed screening for the previous year of operation.	ACR	Annually	
WASTE-2	PC & CONS	Obtain a hazardous waste generator identification number from the USEPA prior to generating any hazardous waste during project construction and operations.	Prior to Haz Waste generation	Prior to Haz Waste generation	
WASTE-2	CONS & OPS	Project owner shall keep a copy of the identification number on file at the project site and provide documentation of the hazardous waste generation notification and receipt of the number to the CPM after receipt of the number. Submittal of the notification and issued number documentation to the CPM is only needed once unless there is a change in ownership, operation, waste generation, or waste characteristics that requires a new notification to USEPA.	MCR		
WASTE-2	CONS & OPS	Documentation of any new or revised hazardous waste generation notifications or changes in identification number shall be provided to the CPM.	As required		
WASTE-4	PC	Submit any final reports filed by the professional engineer or professional geologist to the CPM.	within 5 days of receipt		
WASTE-4	PC	Notify the CPM within 24 hours of any orders issued to halt construction.	within 24 hours of orders to halt construction		
WASTE-7	CONS & OPS	Identify permitted solid waste facilities or recycling centers that receive construction waste and maintain copies of weigh tickets and manifests showing the type and volume of waste disposed. This information shall be maintained at the project site and made accessible to CPM and the San Bernardino County Environmental Health Service Department Solid Waste Program.	As required		
WASTE-9	COMM	Submit the Operation Waste Management Plan to the CPM for approval.	30 days prior to commercial operation		
WASTE-9	COMM	Submit any required revisions to the CPM.	20 days of notification from the CPM revisions required		
WASTE-9	OPS	Document the actual volume of wastes generated and the waste management methods used during the year; provide a comparison of the actual waste generation and management methods used to those proposed in the original Operation Waste Management Plan; and update the Operation Waste Management Plan, as necessary, to address current waste generation and management practices.	ACR	Annually	
WASTE-10	OPS	HIT Release and Spill Cleanup and Reporting Instructions	As required		When Needed
WASTE-11	COMM & OPS	Report the results of filter cake testing to the CPM. If two consecutive tests show that the sludge is non-hazardous, may apply to the CPM to discontinue testing.	within 30 days of sampling		
WASTE-11	OPS	The test results and method and location of sludge disposal shall reported in the ACR as required in Condition of Certification WASTE-9.	ACR	Annually	
WASTE-12	CONS & OPS	Document all unauthorized releases and spills of hazardous substances, materials, or wastes that are in excess of reportable quantities that occur on the project property or transmission corridors during construction and on the project property during operation.	As required		
WASTE-12	CONS & OPS	Copies of the unauthorized spill documentation shall be provided to the CPM.	within 30 days of the date the release was discovered		
WORKERSAFETY-2	COMM	Submit to the SBCFD the final Operations Fire Prevention Plan and Emergency Action for review and the final Project Operations and Maintenance Safety and Health Program to the CPM for approval.	30 days prior to start of commissioning		
WORKERSAFETY-3	CONS	The CSS shall submit in the MCR a monthly safety inspection report	MCR	Monthly	Ongoing
WORKERSAFETY-6	CONS	(1) A copy of the individual agreement with the SBCFD or, if the owner joins a power generation industry association, a copy of the group's bylaws and a copy of the group's agreement with the SBCFD; and evidence in each January Monthly Compliance Report that the project owner is in full compliance with the terms of such bylaws and/or agreement; or (2) A protocol, scope and schedule of work for the independent study and the qualifications of proposed contractor(s) for review and approval by the CPM; a copy of the completed study showing the precise amount the project owner shall pay for mitigation; and documentation that the amount has been paid.	five (5) days before construction of permanent aboveground structures		
WORKERSAFETY-6	OPS	Annually thereafter, the owner shall provide the CPM with verification of funding to the SBCFD if annual payments were approved or recommended under either of the above-described funding resolution options.	ACR	Annually	
WORKERSAFETY-9	COMM	Submit to the CPM proof that the joint training with the SBCFD is established.	10 days prior to commissioning		

Cond. #	Sort Code	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Status
WORKERSAFETY-9	OPS	Submit to the CPM proof that the joint training with the SBCFD was conducted. Include the date, list of participants, training protocol, and location in the yearly compliance report to the CPM.	ACR	Annually	
GEN-1	COMM	Submit to the CPM a statement of verification, signed by the responsible design engineer, attesting that all designs, construction, installation, and inspection requirements of the applicable LORS and the Energy Commission's decision have been met in the area of facility design. Provide the CPM a copy of the certificate of occupancy within 30 days of receipt from the CBO.	30 days of receipt of certificate of occupancy		
GEN-1	OPS	Once the certificate of occupancy has been issued, inform the CPM prior to any construction, addition, alteration, moving, demolition, repair, or maintenance to be performed on any portion(s) of the completed facility that requires CBO approval for compliance with the above codes. The CPM will then determine if the CBO needs to approve the work.	30 days prior to start of any activity listed requiring CBO approval		
GEN-2	PC	Submit to the CBO and to the CPM the schedule, and the master drawings and master specifications list of documents to be submitted to the CBO for review and approval. These documents shall be the pertinent design documents for the major structures, systems, and equipment defined above in Condition of Certification GEN-2. Major structures and equipment shall be added to or deleted from the list only with CPM approval.	60 days prior to start of grading		Approved as "living document"
GEN-2	CONS	Provide schedule updates in the monthly compliance report.	MCR		
GEN-3	PC	Make the required payments to the CBO in accordance with the agreement. Send a copy of the CBO's receipt of payment to the CPM indicating that applicable fees have been paid. A copy of the contract between the project owner and the CBO shall be submitted to the CPM for review.	In next MCR		
GEN-4	PC	Notify the CPM of the CBO's approvals of the RE and other delegated engineer(s).	within 5 days of CBO's approval		Approved but ongoing
GEN-5	PC	Notify the CPM of the CBO's approvals of the responsible engineers.	within 5 days of the CBO's approval		Approved but ongoing
GEN-5	CONS	If the designated responsible engineer is subsequently reassigned or replaced, submit the resume and registration number of the newly assigned engineer to the CBO for review and approval.	within 5 days of replacement		
GEN-6	CONS	Submit to the CBO for review and approval, with a copy to the CPM, the name(s) and qualifications of the certified weld inspector(s), or other certified special inspector(s) assigned to the project to perform one or more of the duties set forth above.	15 days prior to start of activity requiring special inspection		Approved but ongoing
GEN-6	CONS	Also submit to the CPM a copy of the CBO's approval of the qualifications of all special inspectors.	in next MCR		
GEN-7	CONS	Transmit a copy of the CBO's approval of any corrective action taken to resolve a discrepancy to the CPM.	MCR		
GEN-7	CONS	If any corrective action is disapproved, advise the CPM, within five days, of the reason for disapproval and the revised corrective action to obtain CBO's approval.	within 5 days of disapproval by CBO		
GEN-8	CONS	Submit to the CBO, with a copy to the CPM, in the next monthly compliance report, (a) a written notice that the completed work is ready for final inspection, and (b) a signed statement that the work conforms to the final approved plans.	within 15 days of completion of CBO-approved work		
GEN-8	CONS	Submit to the CPM a letter stating both that the above documents have been stored and the storage location of those documents.	After storing the final approved engineering plans etc		
GEN-8	COMM	Provide to the CBO three sets of electronic copies of the above documents at the project owner's expense. These are to be provided in the form of "read only" (Adobe .pdf 6.0) files, with restricted (password-protected) printing privileges, on archive quality compact disks.	within 90 days of completion of construction		
CIVIL-1	PC	Submit the 1. Design of the proposed drainage structures and the grading plan; 2. An erosion and sedimentation control plan; 3. Related calculations and specifications, signed and stamped by the responsible civil engineer; and 4. Soils, geotechnical, or foundation investigations reports required by the 2007 CBC to the CBO for design review and approval.	15 days prior to site grading	following approval	Approved but ongoing
CIVIL-1	PC	Submit a written statement certifying that the documents have been approved by the CBO.	in the next MCR		Ongoing
CIVIL-2	CONS	Notify the CPM within 24 hours, when earthwork and construction is stopped as a result of unforeseen adverse geologic/soil conditions. Within 24 hours of the CBO's approval to resume earthwork and construction in the affected areas, provide to the CPM a copy of the CBO's approval.	24 hours following stop of construction; & within 24-hours of CBO's approval to resume		
CIVIL-3	CONS	RE shall transmit to the CBO and the CPM a non-conformance report (NCR), and the proposed corrective action for review and approval.	within 5 days of discovery of discrepancies		
CIVIL-3	CONS	Owner shall submit the details of the corrective action to the CBO and CPM.	within 5 days of resolution of NCR		
CIVIL-3	CONS	A list of NCRs, for the reporting month, shall be included in MCR.	monthly in MCR		

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CIVIL-4	CONS	Submit to the CBO, for review and approval, the final grading plans (including final changes) and the responsible civil engineer's signed statement that the installation of the facilities and all erosion control measures were completed in accordance with the final approved combined grading plans, and that the facilities are adequate for their intended purposes, along with a copy of the transmittal letter to the CPM.	30 days of completion of erosion and sediment control work		
CIVIL-4	CONS	Submit a copy of the CBO's approval to the CPM in the next monthly compliance report.	In the next MCR following approval		
STRUC-1	PC	At least 60 days (or project owner and CBO approved alternative time frame) prior to the start of any increment of construction of any structure or component listed in the CBO-approved master drawing and master specifications list, the project owner shall submit to the CBO the above final design plans, specifications and calculations, with a copy of the transmittal letter to the CPM.	60 days prior to the start of construction of listed major structure		Approved but ongoing
STRUC-1	PC	Submit to the CPM, in the next monthly compliance report, a copy of a statement from the CBO that the proposed structural plans, specifications, and calculations have been approved and comply with the requirements set forth in applicable engineering LORS.	In the next MCR following approval		Approved but ongoing
STRUC-2	CONS	If a discrepancy is discovered in any of the above data, prepare and submit an NCR describing the nature of the discrepancies and the proposed corrective action to the CBO, with a copy of the transmittal letter to the CPM. The NCR shall reference the condition(s) of certification and the applicable CBC chapter and section.	within 5 days of discovery of discrepancies		
STRUC-2	CONS	Submit a copy of the corrective action to the CBO and the CPM.	within 5 days of resolution of NCR		
STRUC-2	CONS	Transmit a copy of the CBO's approval or disapproval of the corrective action to the CPM .	within 15 days of CBO decision		
STRUC-2	CONS	If disapproved, advise the CPM, the reason for disapproval, and the revised corrective action to obtain CBO's approval.	within 5 days of disapproval by CBO		
STRUC-3	PC & CONS	Notify the CBO of the intended filing of design changes, and submit the required number of sets of revised drawings and the required number of copies of the other above-mentioned documents to the CBO, with a copy of the transmittal letter to the CPM.	on a schedule suitable to the CBO		
STRUC-3	PC & CONS	Notify the CPM, via monthly compliance report, when the CBO has approved the revised plans.	In the next MCR following approval		
STRUC-4	CONS	Prior to the start of installation of the tanks or vessels containing the specified quantities of toxic or hazardous materials, submit to the CBO for design review and approval final design plans, specifications, and calculations, including a copy of the signed and stamped engineer's certification.	30 days prior to installation		
STRUC-4	CONS	Send copies of the CBO approvals of plan checks to the CPM in the following monthly compliance report. Also transmit a copy of the CBO's inspection approvals to the CPM in the monthly compliance report following completion of any inspection.	In the next MCR following approval		
MECH-1	CONS	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of any increment of major piping or plumbing construction listed in the CBO-approved master drawing and master specifications list, the project owner shall submit to the CBO for design review and approval the final plans, specifications, and calculations, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with applicable LORS.	30 days prior to the start of any increment of major piping or plumbing construction		
MECH-1	CONS	Send the CPM a copy of the transmittal letter.	in the next MCR		
MECH-1	CONS	Transmit to the CPM following completion of any inspection, a copy of the transmittal letter conveying the CBO's inspection approvals.	In the next MCR following inspection		
MECH-2	CONS	For all pressure vessels installed in the plant: Submit to the CBO for design review and approval, the listed documents, including a copy of the signed and stamped engineer's certification, with a copy of the transmittal letter to the CPM.	30 days prior to the start of PV on-site fabrication or installation		
MECH-2	CONS & COMM	Transmit to the CPM, following completion of any inspection, a copy of the transmittal letter conveying the CBO's and/or Cal-OSHA inspection approvals.	In the next MCR following inspection		
MECH-3	CONS	Prior to the start of construction of any HVAC or refrigeration system, submit to the CBO the required HVAC and refrigeration calculations, plans, and specifications, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with the CBC and other applicable codes, with a copy of the transmittal letter to the CPM.	30 days prior to construction of any HVAC or refrigeration system		

Cond. #	Sort Code	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Status
ELEC-1	CONS	Prior to the start of each increment of electrical construction, submit to the CBO for design review and approval the above listed documents. Include in this submittal a copy of the signed and stamped statement from the responsible electrical engineer attesting compliance with the applicable LORS.	30 days prior to start of each increment of electrical construction		
ELEC-1	CONS	Send the CPM a copy of the transmittal letter in the next monthly compliance report.	in the next MCR		
PAL-1	CONS	Prior to the termination or release of a PRS, submit the resume of the proposed new PRS to the CPM for review and approval.	As required		When Needed
PAL-2	PC	If there are changes to the footprint of the project, revised maps and drawings shall be provided to the PRS and CPM.	15 days prior to ground disturbance		When Needed
PAL-2	PC	If there are changes to the scheduling of the construction phases, submit a letter to the CPM.	within 5 days of identifying changes		When Needed
PAL-4	PC	If the owner requests an alternate paleontological trainer, the resume and qualifications of the trainer shall be submitted to the CPM for review and approval prior to installation of an alternate trainer. Alternate trainers shall not conduct training prior to CPM authorization.	As necessary	As necessary	When Needed
PAL-4	CONS	Provide copies of the WEAP certification of completion forms with the names of those trained and the trainer or type of training (in-person or other approved presentation format) offered that month. Also include a running total of all persons who have completed the training to date.	MCR	Monthly	
PAL-5	CONS	Ensure that the PRS submits the summary of monitoring and paleontological activities in the MCR.	MCR		
PAL-5	CONS	When feasible, the CPM shall be notified 10 days in advance of any proposed changes in monitoring different from the plan identified in the PRMMP. If there is any unforeseen change in monitoring, the notice shall be given as soon as possible prior to implementation of the change.	10 days in advance of proposed monitoring changes, or ASAP		
PAL-6	OPS	Maintain in compliance file copies of signed contracts or agreements with the designated PRS and other qualified research specialists. Maintain these files for a period of three years after project completion and approval of the CPM-approved paleontological resource report (see Condition of Certification PAL-7). Shall be responsible for paying any curation fees charged by the museum for fossils collected and curated as a result of paleontological mitigation. A copy of the letter of transmittal submitting the fossils to the curating institution shall be provided to the CPM.	maintain for 3 years after project completion and CPM approval of PR Report		
PAL-7	CONS	Submit the PRR under confidential cover to the CPM.	within 90 days of completion of ground disturbance		
TSE-1	PC	Submit the schedule, a Master Drawing List, and a Master Specifications List to the CBO and to the CPM. The schedule shall contain a description and list of proposed submittal packages for design, calculations, and specifications for major structures and equipment. Additions and deletions shall be made to the table only with CPM and CBO approval.	60 days prior to start of construction		Approved as "living document"
TSE-1	CONS	Provide schedule updates in the MCR.	MCR	Monthly	
TSE-2	PC	Notify CPM of the CBO's approval.	within 5 days of CBO approval		
TSE-2	PC & CONS	If the designated responsible engineer is subsequently reassigned or replaced, the project owner has five days in which to submit the name, qualifications, and registration number of the newly assigned engineer to the CBO for review and approval. The project owner shall notify the CPM of the CBO's approval of the new engineer within five days of the approval.	within 5 days of change in RE		
TSE-3	CONS	Submit a copy of CBO's approval or disapproval of any corrective action taken to resolve a discrepancy to the CPM.	within 15 days of receipt		
TSE-3	CONS	If disapproved, advise the CPM, the reason for disapproval, and the revised corrective action to obtain CBO's approval.	within 5 days of CBO disapproval		
TSE-4	CONS	Prior to the start of each increment of construction, submit to the CBO for review and approval the final design plans, specifications and calculations for equipment and systems of the power plant switchyard, outlet line and termination, including a copy of the signed and stamped statement from the responsible electrical engineer attesting to compliance with the applicable LORS.	30 days prior to start of each increment of construction		
TSE-4	CONS	Send the CPM a copy of the transmittal letter.	in the next MCR		

Cond. #	Sort Code	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Status
TSE-5	CONS	To ensure the proposed transmission facilities will conform to all applicable LORS, submit to the CBO for approval: Items A through G listed in the COC, including Design drawings, specifications and calculations, with design criteria, Electrical one-line diagrams, the Special Protection System (SPS) sequencing and timing if applicable, a letter stating the mitigation measures or projects selected by the transmission owners for each reliability criteria violation are acceptable, an Operational study report based on the expected or current COD from the California ISO and/or SCE, and a copy of the executed LGIA signed by the California ISO and the project owner.	60 days prior to construction of transmission facilities		
TSE-6	CONS	Inform the CBO and the CPM of any impending changes that may not conform to requirements of TSE-5 and request approval to implement such changes.	60 days prior to construction of transmission facilities		
TSE-7	COMM	Provide copies of the CAISO letter to the CPM when it is sent to the CAISO.	1 week prior to initial synchronization with grid		
TSE-7	COMM	Contact CAISO Outage Coordination Department, Mon thru Fri, btwn 0700 and 1530 at (916) 351-2300 at least one business day prior to synchronizing the facility with the grid for testing. A report of conversation with the CAISO shall be provided electronically to the CPM one day before synchronizing the facility with the CA transmission system for the first time.	1 day prior to initial synchronization with grid		
TSE-8	COMM	Transmit to the CPM and CBO: "As Builts" and one-line drawings of the electrical portion; "as built" engineering description of the mechanical, structural, and civil portion of the transmission facilities they shall be maintained at the power plant and made available if requested for CPM Audit; A summary of inspections of the completed transmission facilities. [See COC]	within 60 days after first synchronization		

Completed Conditions

Cond. #	Sort Code	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Status
COMPLIANCE-4	PC	Prior to commencing construction, a compliance matrix addressing only conditions that must be fulfilled before the start of construction shall be submitted to the CPM. This matrix will be included in the first compliance submittal or prior to the first pre-construction meeting, whichever comes first. It will be submitted in the same format as the compliance matrix.	Prior to construction	9/2/2010	Complete
COMPLIANCE-8	PC, CONS, COMM, OPS	Confidential Information Instructions	As required		NA
COMPLIANCE-10	PC, CONS, COMM, OPS	Reporting of Complaints, Notices, and Citations: Prior to the start of construction, the project owner must send a letter to property owners living within one mile of the project notifying them of a telephone number to contact project representatives with questions, complaints or concerns. If the telephone is not staffed 24 hours per day, it shall include automatic answering with date and time stamp recording.	Prior to construction	Prior to construction	Complete
AQ-SC1	PC	Submit to the CPM for approval the name, resume, qualifications and contact information for the onsite AQCMM and all Delegates.	30 days prior to ground disturbance		Complete
AQ-SC2	PC	Submit AQCMP to CPM for approval. Include effectiveness and environmental data for the proposed soil stabilizer. CPM will notify of any necessary modifications to the plan within 15 days from the date of receipt.	30 days prior to ground disturbance		Complete
AQ-SC9	PC	Provide to the CPM, a statement signed by the project owner's project manager stating that the owner or residents of the properties affected by this condition have been notified and that the residents have been offered paid relocation during the affected period of the initial grading/site preparation phase of construction. The statement shall list affected property owners/residents notified and the means of notification.	Prior to initial grading		Complete
BIO-1	PC	Submit the resume. The CPM, CDFG, and USFWS have 30 days to approve or deny proposed Designated Biologists. No site or related facility activities shall commence until an approved Designated biologist is available to be on site.	60 days prior to site mobilization		Complete
BIO-3	PC	Submit the specified information to the CPM, CDFG, and USFWS for approval. The CPM, CDFG, and USFWS have 30 days to approve or deny proposed Biological Monitor(s). Submit a written statement to the CPM confirming that Biological Monitor(s) have been trained.	60 days prior to site mobilization		Complete

Cond. #	Sort Code	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Status
BIO-5	PC	Worker Environmental Awareness Program: Provide the CPM the proposed WEAP and all supporting materials prepared or reviewed by the Designated Biologist and a resume of the person(s) administering the program. The CPM shall review and provide written comments within 15 days of receipt.	45 days prior to site mobilization		Complete
BIO-5	PC	Prior to site and related facilities mobilization submit two copies of the CPM-approved materials.	10 days prior to site mobilization		Complete
BIO-6	PC	Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP) Development and Compliance: Provide the specified document prior to start of any site (or related facilities) mobilization. The CPM will determine the BRMIMP's acceptability within 30 days of receipt. If there are any permits that have not yet been received when the BRMIMP is first submitted, these permits shall be submitted to the CPM within 5 days of their receipt, and the BRMIMP shall be revised or supplemented to reflect the permit condition within 10 days of their receipt by the project owner. Ten days prior to pre-construction site mobilization the revised BRMIMP shall be resubmitted to the CPM. Site mobilization will not occur without an approved BRMIMP.	45 days prior to site mobilization		Complete
BIO-7	PC	All mitigation measures and their implementation methods shall be included in the BRMIMP.	45 days prior to site mobilization		Complete
BIO-9	PC	Golden Eagle Territory-Specific Management Plan: Submit a report to the CPM, CDFG, and USFWS. This report shall document the results of the inventory and monitoring as described in Pagel et al. 2010.	within 30 days of completion of GOEA breeding-season surveys		Complete
BIO-9	PC	Submit a report to the CPM, CDFG, and USFWS. This report shall document the results of the protocol surveys as described in Pagel et al. 2010 or more recent guidance by USFWS (e.g., Pagel et al, in prep).	within 30 days of completion of GOEA non-breeding-season surveys (late-summer/early winter 2010)		Complete
BIO-9	PC	Provide the CPM, CDFG, and USFWS with the final version of the Golden Eagle Territory-Specific Management Plan, based on breeding-season inventory results. This final Plan shall have been reviewed and approved by the CPM in consultation with USFWS. [or (see next entry below)]	30 days prior to site mobilization		Not Required
BIO-9	PC	If disturbance to eagles would not occur and a Plan is not warranted, a letter from USFWS documenting this determination shall be submitted to the CPM at least 10 days prior to the start of any pre-construction site mobilization.	10 days prior to site mobilization	As required	Complete
BIO-10	PC	Documentation of Bald and Golden Eagle Act Compliance: Submit to the CPM documentation that the project is in compliance with the Bald and Golden Eagle Protection Act (Title 16, United States Code, sections 668-668d). This shall include documentation from the USFWS in the form of written or electronic transmittal indicating the status of the permit, if required, and any follow up actions required by the project owner. Any additional actions shall be added to the BRMIMP and implemented.	10 days prior to site mobilization		Complete
BIO-11	PC	Provide the CPM with the final version of the Desert Tortoise Translocation Plan that has been approved by the Energy Commission staff, USFWS, and CDFG. The CPM will determine the plan's acceptability within 15 working days of receipt of receipt of the final plan.	45 days prior to site mobilization		Complete
BIO-11	PC	Desert Tortoise Exclusion Fencing, Clearance Surveys, and Translocation Plan: The entire project site shall be fenced with desert tortoise exclusion fence. To avoid impacts to desert tortoise during fence construction, the proposed fence alignment shall be flagged and the alignment surveyed within 24 hours prior to fence construction.	Prior to ground disturbance		Complete
BIO-11	PC	Submit report to the CPM, USFWS, and CDFG describing how each of the mitigation measures described have been satisfied. The report shall include the desert tortoise survey results, capture and release locations of any translocated desert tortoises, and any other information needed to demonstrate compliance with the measures described.	30 days of completing Desert Tortoise clearance surveys		Complete
BIO-12	PC	Mohave Ground Squirrel Clearance Surveys: Submit a report to the CPM and CDFG describing how the measures described were implemented. The report shall include the MGS survey results, capture and release locations of any relocated squirrels, and any other information needed to demonstrate compliance with the measures described. [Survey required to be conducted after the installation of the desert tortoise exclusion fence and immediately prior to any ground disturbance.]	Report due within 30 days of completing MGS clearance surveys [Survey required after DT fencing, immed. prior to ground disturbance]		Complete
BIO-13	PC	Provide CPM and CDFG with the final version of the Burrowing Owl Monitoring and Mitigation Plan that has been reviewed and approved by the CPM in consultation with CDFG.	45 days prior to site mobilization		Complete
BIO-15	PC	Submit a formal acquisition proposal to the CPM, CDFG and USFWS describing the parcels intended for purchase or title/easement transfer.	90 days prior to acquisition of property		Complete
BIO-15	PC, CONS	Provide CPM with a management plan for review and approval, in consultation with CDFG, for the compensation lands and associated funds.	within 6 months of land purchase		Complete

Cond. #	Sort Code	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Status
BIO-16	PC	Project owner shall submit to the CPM a copy of the Energy Commission staff- and CDFG-approved Tamarisk Eradication Monitoring and Reporting Plan, including success criteria.	30 days prior to ground disturbance		Complete
BIO-18	PC	Submit to the CPM verification of payment to the REAT Account to support the regional raven monitoring plan. Payment shall be included in the AMS project's land management enhancement fund, pursuant to Condition of Certification BIO-15 (5(D)).	Prior to ground disturbance		Complete
BIO-21	PC	Submit to CPM copy of USFWS Biological Opinion. Verify that the permit terms and conditions of the Biological Opinion are incorporated into the BRMIMP and will be implemented.	45 days prior to site mobilization		Complete
CUL-1	PC	Submit resume for Cultural Resources Specialist (CRS), and alternates if desired, for review and approval.	45 days prior to ground disturbance		Complete
CUL-1	PC	CRS shall provide a letter naming anticipated CRMs for the project and stating that they meet the minimum requirements for cultural resource monitoring.	20 days prior to ground disturbance		Complete
CUL-1	PC	Project owner shall confirm in writing to the CPM that the approved CRS will be available for onsite work and is prepared to implement the cultural resources conditions.	10 days prior to ground disturbance		Complete
CUL-2	PC	The project owner shall provide the AFC, data responses, and confidential cultural resources documents to the CRS, if needed, and the subject maps and drawings to the CRS and CPM. The CPM will review submittals in consultation with the CRS and approve maps and drawings suitable for cultural resources planning activities.	40 days prior to ground disturbance		Complete
CUL-3	PC	Submit the Cultural Resources Monitoring and Mitigation Plan (CRMMP) to the CPM for review and approval.	30 days prior to ground disturbance		Complete
CUL-3	PC	Letter provided to the CPM indicating that the owner agrees to pay curation fees for any materials collected as a result of the archaeological investigations.	30 days prior to ground disturbance		Complete
CUL-5	PC	The CRS shall provide the training program draft text and graphics and the informational brochure to the CPM for review and approval. The CPM will provide to the project owner a WEAP Training Acknowledgement form for each WEAP-trained worker to sign.	30 days prior to ground disturbance		Complete
CUL-6	PC	CPM will provide to the CRS an electronic copy of a form to be used as a daily monitoring log.	30 days prior to ground disturbance		Complete
CUL-7	PC	Provide the CPM and CRS with a letter confirming that the CRS, alternate CRS and CRMs have the authority to halt construction activities in the vicinity of a cultural resource discovery, and that the project owner shall ensure that the CRS notifies the CPM within 24 hours of a discovery or by Monday morning if the cultural resources discovery occurs between 8:00 AM on Friday and 8:00 AM on Sunday morning.	30 days prior to ground disturbance		Complete
HAZ-5	PC	Notify the CPM that a site-specific Construction Security Plan is available for review and approval.	30 days prior to construction		Complete
LAND-1	PC	Provide a mitigation fee payment to an agricultural land trust such as the Transition Habitat Conservancy or any other land trust that has been previously approved by the CPM prior to the start of construction. The fee payment will be determined by an independent appraisal conducted on available, comparable, farmland property on behalf of the agricultural land trust. The project owner shall pay all costs associated with the appraisal.	prior to the start of construction		Complete
LAND-1	OPS	Provide documentation to the CPM that the fee has been paid and that the 128 acres of farmland and/or easements shall be purchased within three years of start of operation as compensation for the 128 acres of FMMP designated Important Farmland to be converted by the AMS project. The documentation also shall guarantee that the land/easements purchased by the trust will be located in San Bernardino County and will be available in perpetuity for productive agricultural use. If no available land or easements can be purchased in San Bernardino County, then the purchase of lands/easements in other areas within western Mojave or adjacent counties, such as Kern County or Riverside County, is acceptable.	3 years after commercial operation		Complete
LAND-3	PC	Submit evidence to the CPM, indicating approval of the merger of parcels by San Bernardino County, or written approval of another process that is acceptable to the county. Shall include evidence of compliance with all conditions and requirements associated with the approval of the Certificate of Merger and/or Notice of Lot Line Adjustment by the county. If all parcels or portions of parcels are not owned by the PO at the time of the merger, a separate deed shall be executed and recorded with the county recorder. A copy of the recorded deed shall be submitted to the CPM, as part of the compliance package.	30 days prior to construction		Complete

Cond. #	Sort Code	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Status
NOISE-1	PC	The project owner shall transmit to the compliance project manager (CPM) a statement, signed by the project owner's project manager, stating that the above notification has been performed, and describing the method of that notification. This communication shall also verify that the telephone number has been established and posted at the site, and shall provide that telephone number.	15 days prior to ground disturbance		Complete
NOISE-3	PC	Submit the noise control program to the CPM. Make the program available to Cal-OSHA upon request.	30 days prior to ground disturbance		Complete
NOISE-6	PC	Transmit to the CPM a statement acknowledging that the restrictions will be observed throughout the construction of the project.	Prior to ground disturbance		Complete
SOIL&WATER-4	CONS	Submit a Groundwater Monitoring and Management Plan to the County of San Bernardino for review and comment (see Condition of Certification SOIL&WATER-6).	60 days prior to construction of on-site groundwater wells		Complete
SOIL&WATER-5	PC	Submit to the CPM a copy of evidence that metering devices have been installed and are operational.	60 days prior to start of construction		Complete
SOIL&WATER-6	PC	Submit to the CPM, for review and approval, a comprehensive plan (Groundwater Level Monitoring and Reporting Plan) presenting all the data and information required in Item A above. Submit to the both the CPM all calculations and assumptions made in development of the plan.	60 days prior to construction		Complete
SOIL&WATER-7	PC	Groundwater Quality Monitoring and Reporting Plan in compliance with Item A shall be submitted to the CPM for review and approval.	60 days prior to construction		Complete
TRANS-1	PC	Propose new park-and-ride lot(s) to the County of San Bernardino for review and comment and the CPM for review and approval. The proposal shall include a rationale for the location of the lot(s) based upon the expected geographic distribution of employees and availability of suitable sites.	90 days prior to site mobilization		Complete
TRANS-2	PC	Provide to the County of San Bernardino for review and comment and the CPM for review and approval a copy of the construction traffic control plan. The plan must document consultation with Caltrans.	60 days prior to site mobilization		Complete
TRANS-3	PC	Submit a review of existing roadway pavement conditions to San Bernardino County and Caltrans for review and comment and the CPM for review and approval. This review will include photographs and the visual analysis of pavement and sub-surface conditions. The CPM will need to approve the summary of existing pavement conditions prior to commencement of construction.	90 days prior to site mobilization		Complete
TRANS-4	PC	Include these restrictions in the construction traffic control plan required by TRANS-2	60 days prior to site mobilization		Complete
TSLN-1	CONS	Submit to the CPM a letter signed by a California registered electrical engineer affirming that the lines will be constructed according to the requirements stated in the condition.	30 days prior to construction of transmission line or related structures and facilities		Complete
WASTE-1	PC	Provide the plans to remove the underground storage tanks to the CPM for review and approval.	60 days prior to site mobilization		Complete
WASTE-1	PC	Inform the CPM of the data when all USTs were removed from the site.	MCR	after removal	Complete
WASTE-3	PC	Submit to the CPM copies of all pertinent correspondence, work plans, agreements, and authorizations between the AMS Project and DTSC regarding Voluntary Site Cleanup Program requirements and activities at the AMS project site. The CPM shall review and comment on the proposed Cleanup Program requirements and activities. Provide to the CPM written notice from DTSC that the AMS site has been investigated and remediated, as necessary, for compliance with the Voluntary Cleanup Program.	60 days prior to site mobilization		Complete
WASTE-5	PC	Submit the resume to the CPM for review and approval.	30 days prior to site mobilization		Complete
WASTE-6	PC	Submit the Construction Waste Management Plan to the CPM for approval.	30 days prior to site mobilization		Complete
WASTE-8	PC	Provide the Asbestos Demolition Notification Form to the CPM for review and approval.	60 days prior to commencement of structure demolition		Complete
WASTE-8	CONS	Inform the CPM of the data when all ACM is removed from the site.	MCR	after removal	Complete
WORKERSAFETY-1	PC	Submit to the SBCFD a copy of the Construction Fire Prevention Plan and Emergency Action Plan for review and comment and a copy of the Project Construction Safety and Health Program to the CPM for review and approval.	30 days prior to start of construction		Complete
WORKERSAFETY-3	PC	Submit to the CPM the name and contact information for the Construction Safety Supervisor (CSS). The contact information of any replacement CSS shall be submitted to the CPM within one business day.	60 days prior to site mobilization		Complete
WORKERSAFETY-4	PC	Provide proof of its agreement to fund the Safety Monitor services to the CPM for review and approval.	60 days prior to start of construction		Complete
WORKERSAFETY-5	PC	Submit to the CPM proof that a portable automatic external defibrillator exists on site and a copy of the training and maintenance program for review and approval.	30 days prior to site mobilization		Complete

Cond. #	Sort Code	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Status
WORKERSAFETY-7	PC	Provide a \$200,000 payment to San Bernardino County Fire Department prior to the start of construction. Provide documentation of the payment described above to the CPM. The CPM shall adjust the payments initially required by WORKER SAFETY-6 based upon the accounting provided by the SBCFD.	5 days prior to start of construction		Complete
WORKERSAFETY-8	PC	Enhanced Dust Control Plan shall be provided to the CPM for review and approval.	60 days prior to site mobilization		Complete
GEN-4	PC	Submit to the CBO for review and approval, the resume and registration number of the resident engineer (RE) and any other delegated engineers assigned to the project. If the RE or the delegated engineer(s) is subsequently reassigned or replaced, the project owner has five days to submit the resume and registration number of the newly assigned engineer to the CBO for review and approval.	30 days prior to start of grading		Complete
GEN-5	PC	Submit to the CBO for review and approval, resumes and registration numbers of the responsible civil engineer, soils (geotechnical) engineer and engineering geologist assigned to the project.	30 days prior to start of grading		Complete
GEN-5	PC	Submit to the CBO for review and approval, resumes and registration numbers of the responsible design engineer, mechanical engineer, and electrical engineer assigned to the project.	30 days prior to start of construction		Complete
PAL-1	PC	Submit a resume and statement of availability of its designated paleontological resource specialist (PRS) for on-site work.	60 days prior to ground disturbance		Complete
PAL-1	PC	Provide a letter with resumes naming anticipated monitors for the project, stating that the identified monitors meet the minimum qualifications for paleontological resource monitoring required by the condition. If additional monitors are obtained during the project, the PRS shall provide additional letters and resumes to the CPM. The letter shall be provided to the CPM no later than one week prior to the monitor's beginning on-site duties.	20 days prior to ground disturbance		Complete
PAL-2	PC	Provide the maps and drawings to the PRS and CPM.	30 days prior to ground disturbance		Complete
PAL-3	PC	Provide a copy of a paleontological resources monitoring and mitigation plan (PRMMP) to the CPM. The PRMMP shall include an affidavit of authorship by the PRS and acceptance of the PRMMP by the project owner evidenced by a signature.	30 days prior to ground disturbance		Complete
PAL-4	PC	Submit the proposed Worker Environmental Awareness Program (WEAP), including the brochure, with the set of reporting procedures for workers to follow.	30 days prior to ground disturbance		Complete
PAL-4	PC	Submit the training program presentation/ materials to the CPM for approval if planning to use a presentation format other than an in-person trainer for training.	30 days prior to ground disturbance		Complete
TSE-2	PC	Submit to CBO for review and approval, the names, qualifications and registration numbers of all the responsible engineers assigned to the project.	30 days prior to rough grading		Complete