

**Genesis Solar Energy Project
Eastern Riverside County, California**

Genesis Solar, LLC

**Monthly Compliance Report #22
August 2012**

**(COC COMPLIANCE-6)
09-AFC-8**

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Cul-9

The Genesis Solar Energy Project received authorization to construct from the California Energy Commission (CEC) on September 29, 2010 and the US Bureau of Land Management (BLM) on November 4, 2010. In accordance with the California Energy Commission's (CEC) Condition of Certification (COC) number COMPLIANCE-6, please see the following report that summarizes compliance with CEC and BLM's requirements for pre-construction and construction activities for the month of August, 2012.

During the month of August, 2012, Project activities included:

- Ongoing design tasks and agency consultation.
- Continued New Employee site specific Safety Training and Worker's Environmental Awareness Training.
- Finish grade in Unit 1 has been completed with riprap installations continuing.
- Unit 2 – Waste Water and Boiler Blowdown excavation and installation is ongoing.
- Fiber optic and Ethernet cable installation continues in field rings.
- Permanent Fence installation continues in Unit 1 and Unit 2.
- Electrical Building is in final stage and working on completing punch list.
- Installation of Sleepers in Unit 1 and 2 continues.
- Continued SCE installation in Unit 2

All questions or concerns regarding the contents of this report should be directed to Jennifer Gavaldon at: 951-634-2395 or email Jennifer.Gavaldon@nexteraenergy.com

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

Date	To	Condition	Subject
08/04/2012	CEC	BIO-7, 17	American Badger and DKF Monitoring & Management Plan
08/24/2012	CEC	COM-06	July Monthly Compliance Report
08/27/2012	CEC	BIO-27	Couch's Spade Foot Monitoring and Relocation Report

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

Air Quality issues: In accordance with Condition of Certification AQ-SC1 an authorized Air Quality Construction Mitigation Manager (AQ-CMM) has been assigned to this project. As per AQ-SC2 an Air Quality Construction Mitigation Plan (AQ-CMP) has been submitted and approved by the California Energy Commission (CEC).

AQ-SC1: Air Quality Construction Mitigation Manager

Requirement: AQ-SC1 (AQ-CMM): As required by the Condition of Certification, the Air Quality Construction Mitigation Manager is responsible for directing and documenting compliance with the construction-related air quality conditions of certification at the project site and linear facilities. Additional monitors will be assigned as needed to cover times when there are multiple tasks occurring simultaneously that require oversight, extended hours of construction, or when the AQ-CMM is unavailable.

No new applications were submitted in August 2012.

AQ-SC3: Construction Fugitive Dust Control; AQ-CMM Monthly Reporting

Requirement: Minimal fugitive dust was generated by construction activities due to the effectiveness of the best management practices (BMPs) dust control measures and cool weather conditions. Water trucks were used as necessary to effectively mitigate fugitive dust during the construction activities.

A copy of the water log is included in Appendix G.

Under the direction of the AQ-CMM and as per the AQ-CMP the following measures have been taken to maintain compliance:

- All workers have been instructed in fugitive dust prevention as part of their Workers Environmental Awareness Program training.
- Fugitive dust control mitigation measures continue to be a topic at contractor tailboard meetings once a week or more, depending upon weather conditions. During

the month of August, no wind activity affected production or cause a slowdown of work.

- No vehicle shall exceed 10 mile per hour on unpaved areas within the construction site, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions.
- Speed limit signs are posted at the lay-down areas and along the access roads for the full length of the project. Dusk and dawn speed limit signs annotating the 35 mph limit continue to be a discussion with contractors to remind them of the reduction in speed during the dusk and dawn hours.
- As per AQ-SC3 all soil piles have been treated with water and/or tackifier to reduce dust plumes during windy conditions.
- All roads have had water applied to them regularly to reduce dust plumes from moving vehicles.
- Areas where dirt roads intersect asphalt roads have had a 20' X 50' rock pad installed to reduce tracking onto the road.
- A track out, on the entrance to the public road, has been installed to reduce any track out.
- All diesel-powered equipment over 50 HP has been required to use ultra-low sulfur diesel and have been maintained in proper operating condition.
- No diesel equipment has been allowed to idle in excess of 5 minutes.

AQ-SC4: Dust Plume Response Requirement

Requirement: Submit information on dust plume observations, response, and list of equipment onsite.

As per AQ-SC4 a policy of fugitive dust monitoring has been put into place. In addition to the AQCMM, two biological monitors have been made Air Quality Construction Mitigation Manager Delegates. They have been given the authority to shut down work temporarily to inform the operators if they are creating excessive fugitive dust and to suggest ways to prevent further excessive fugitive dust generation. They are further instructed to inform the AQCMM of all such stoppages, and to follow up with further communications as to the measures the contractor has taken. If no measures are taken, they are to inform the AQCMM who will then shut the crew down. All slowdowns or work stoppages due to air quality concerns are recorded below, along with response taken to ameliorate Air Quality concerns.

No work stoppages or delays, due to wind, occurred during the month of August.

AQ-SC5: Diesel Engine Emissions - Monitoring and Reporting

Requirement: The AQCMM conducted an audit of all equipment on site to ensure California Air Resources Board compliance tags were properly affixed and fire extinguishers were onboard.

Any deficiencies found were corrected. All diesel-powered equipment over 50 HP has been required to use ultra-low sulfur diesel and have been maintained in proper operating condition. A list of heavy equipment present on site during the month of August, are provided in Appendix A. The equipment complies with the California Tier standards for equipment above 50 hp.

See Appendix A

BIO-2: Designated Biologist

Requirement: Provide copies of all written reports and summaries that document biological resources compliance activities.

See Appendix B.

BIO-4: Biological Monitors

Requirement: Submit copies of all written reports and summaries that document biological resources compliance activities, including those conducted by Biological Monitors.

See Appendix B.

BIO-7: Biological Resource Mitigation Implementation and Monitoring Plan

And

BIO-8: Impact Avoidance and Minimization Measures

Requirement: Submit compliance documentation for implementation of BRMIMP measures.

See Appendix B

BIO-9: Desert Tortoise Clearance Surveys and Fencing

Requirement: Submit compliance documentation for all survey and fencing activity.

See Appendix B

BIO-11: Desert Tortoise Compliance Verification

Requirement: Submit results of Monthly Compliance Inspections to CPM, BLM, USFWS, and CDFG.

See Appendix B.

BIO-13: Monthly Raven Observation

The monthly raven observations recorded in August are included in the DB's Monthly Report. Raven count is performed on a monthly basis.

Included in Appendix B

BIO-15: Pre-Construction Nest Surveys and Avoidance Measures

See Appendix B.

BIO-17: Kit Fox Impact Avoidance, Minimization, and Compensation Measures

Desert Kit Fox den monitoring will be performed by the DB and the BM.

See Appendix B

BIO-18: Burrowing Owl Impact Avoidance, Minimization, and Compensation Measures

Requirement: Submit burrowing owl mitigation compliance documentation.

See Appendix B.

BIO-19: Special-Status Plant Impact Avoidance, Minimization and Compensation

Requirement: Submit compliance documentation of special-status plant avoidance and minimization measures.

See Appendix B

BIO-22: Mitigation for Impacts to State Waters

Requirement: Submit status of work in Waters of the State.

See Appendix B

BIO-6, CUL-7, and PAL-4: Worker Environmental Awareness Program (WEAP)

Requirement: Submit the past Month of training records.

During August, the total number of personnel who received the Construction Worker Environmental Awareness Training was 133. The number of personnel who have received the training to date is 2400. Copies of the WEAP training sign-in sheets for the monthly reporting period are included in Appendix C.

CUL-8: Construction Monitoring Program

Requirement: Submit report of any noncompliance.

CUL Compliance issues are included in Appendix H.

Requirement: Submit a summary report of construction-related monitoring and any new DPR 523A forms.

All other ground disturbing activities on site were observed by our resident Cultural Resources Monitor and Native American Monitors. **(Submitted separately under confidential cover)**

CUL-13: Flag and Avoid

Requirement: Submit compliance documentation regarding flagging inspections.

Exclusion zones associated with cultural resource locations have been re-flagged as necessary and are inspected regularly for integrity.

SOIL&WATER-1: Drainage Erosion and Sedimentation Control Plan

Requirement: Submit documentation regarding compliance with DESCP.

A rain event occurred on July 30th and 31st that resulted in flooding within the storm water channels. A report from the CEC is included in Appendix G.

TRANS-2: Vehicle Weight Limits

Requirement: Report permits received from Caltrans and/or County for overweight or oversized vehicles and any other necessary transportation permits.

1 oversized/weight permit was received for the month of August.

See Appendix G

TRANS-3: Public ROW Encroachment

Requirement: Report encroachment permits received from Caltrans and/or County.

There were minor revisions to the plan, and the 30% design will be submitted to Caltrans August 15, 2012. It will be approximately 60 days before the Permanent Permit will be issued.

TRANS-4: Hazmat Transport Permits/Licenses

Requirement: Report hazardous material transport permits received.

Earliest delivery anticipated fall 2012.

WASTE-6: Hazardous Waste Generator Identification Number

Requirement: Submit identification number following receipt or a new number or modification of an existing number.

GSEP EPA ID was received in MAY 2012 and submitted in the MAY 2012 MCR.

WORKER SAFETY-3: Construction Safety Supervisor - Staff Assignment

Requirement: Submit compliance documentation and inspection approvals.

There were 10 first aids and 0 recordables for the month of August. The details are included in the Safety Summary which can be found under Appendix F

Weekly bulletins are enclosed in Appendix F.

GEN-2: PRS Facility Design Submittals to CBO and CPM

Requirement: Include updated schedule of facility design submittals, and master drawing and master specifications.

The approved and reviewed drawings, designs and specifications are attached in Appendix D

GEN-3: CBO Payments

Requirement: Submit a copy of the CBO receipt of payment to the CPM indicating that applicable fees have been paid.

1 invoice for \$ \$225,823.66 was paid to the CBO, during the month of August.

GEN-6: Special Inspector(s) - Staff Assignment

Requirement: Submit a copy of CBO approval of the qualifications of all special inspectors.

One inspector, Mike Barr, was approved in the month of August.

See Appendix D

GEN-7: Facility Design Discrepancy Documentation

Requirement: Submit a copy of CBO approval of any corrective action taken to resolve a discrepancy.

No discrepancies reported this month.

GEN-8: As-builts, CBO Notification of Completion and Compliance

Requirement: Submit a copy of statement of work completed.

See Appendix D

CIVIL-1: CBO Submittals- Drainage and Grading, Statement of Submittal

Requirement: Submit a copy of CBO approval.

See Appendix D

CIVIL-3: CBO Inspection of 2007 CBC Compliance

Requirement: Submit list of non-conformance reports (NCR).

See Appendix D

CIVIL-4: Final Grading Plans - CBO Submittal

Requirement: Submit a copy of CBO approval of grading plans.

See Appendix D

STRUC- 1: CBO Submittals - Major Structure or Facility Design Component, Statement of Submittal

Requirement: Submit a copy of a statement from CBO that structural plans, specifications, and calculations have been approved and comply with engineering LORS.

See Appendix D

STRUC-3: CBO Submittal - Design Changes, Revised Drawings, Specifications, Calculations

Requirement: Submit notification that the CBO has approved the revised plans.

See Appendix D

STRUC-4: 2007 CBC Compliance for Toxic or Hazardous Materials

Requirement: Submit copies of the CBO approvals of plan checks.

See Appendix D

MECH-1: CBO Submittal - Plan Piping and Plumbing System, Final Design Specifications and Calculations

Requirement: Submit a copy of transmittal letter to CBO.

See Appendix D

MECH-2: CBO and Cal-OSHA Submittal - Pressure Vessel

Requirement: Submit a copy of CBO inspection approvals.

See Appendix D

ELEC-1: CBO Submittal - Electrical Equipment and Systems

Requirement: Submit:

1. Receipt or delay of major electrical equipment;
2. Testing or energization of major electrical equipment; and
3. A signed statement by the registered electrical engineer certifying that the proposed final design plans and specifications conform to requirements set forth in the Energy Commission decision.

No Permanent Electrical activities have taken place in the month of August.

PAL-5: PRS Monitoring and Stop Work Authority

Requirement: Submit a summary of paleontological monitoring activities and finds.

See Appendix E

TSE-1: CBO and CPM Submittal - Schedule of Design Submittals

Requirement: Submit schedule updates.

See Appendix D

TSE-4: CBO Submittal – Power Plant Switchyard, Outlet Line and Termination Design Plans

Requirement: Submit a copy of the transmittal letter of final design plans.

No activities have taken place.

Requirement: Include in the monthly compliance report: a) receipt or delay of major electrical equipment; b) testing or energization of major electrical equipment; and c) the number of electrical drawings approved, submitted for approval, and still to be submitted.

No delay submissions have taken place this month

COMPLIANCE-5 - Compliance Matrix

Requirement: Submit a compliance matrix along with each monthly report.

The Compliance Matrix is enclosed

COMPLIANCE-6 – Monthly Compliance Report

Requirement: Provide: a listing of any filings submitted to, or permits issued by, other governmental agencies during the month.

See Appendix G

COMPLIANCE-13 – Post Certification Amendments

An approval for a petition to re-route the gen-tie line, re-route a natural gas line, construction for a dedicated station adjacent to the Colorado River Substation, and for amended air quality are included in Appendix G

Compliance Matrix

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Internal Due Date	Date Final Due	Date Submitted to Agency	Agency Status	Documentation On Hand Y/N	Internal Comments	Operational On-going Cost
1	CEC	x			AQ-SC1	Air Quality Construction Mitigation Manager (AQCMM) - staff assignment	Assign Air Quality Construction Mitigation Manager	ECM	> 30d pt gd		17-Dec-10	11/16/2010 1/13/11	Approved 12/2/2010		Jessica Auch	
2	CEC		x		AQ-SC1	Air Quality Construction Mitigation Manager (AQCMM) - staff assignment	AQCMM remain onsite to monitor construction activities	ECM	Ongoing						Jessica Auch	
3	CEC	x			AQ-SC2	Air Quality Construction Mitigation Plan (AQCMP)	Prepare Air Quality Construction Mitigation Plan (AQCMP)	ECM	> 30d pt gd		17-Dec-10	23-Nov-10	Approved 12/2/2010			
5	CEC		x		AQ-SC3	Construction Fugitive Dust Control; AQCMM monthly reporting -	AQCMM to submit compliance documentation to the CPM in each Monthly Compliance Report.	ECM	Monthly							
6	CEC		x		AQ-SC3	Construction Fugitive Dust Control; AQCMM monthly reporting -	Implement Dust Control BMPs	ECM			17-Jan-11					
6	CEC		x		AQ-SC3	Construction Fugitive Dust Control; AQCMM monthly reporting -	Stabilize all disturbed areas after construction activities.	ECM	Construction Completion		1-Jul-14					
7	CEC		x		AQ-SC4	Dust Plume Response Requirement	Implement Dust Plume Response Requirement	ECM			17-Jan-11					
7	CEC		x		AQ-SC4	Dust Plume Response Requirement	Submit information on dust plume observations, response, and list of equipment onsite in Monthly Report.	ECM	Monthly		Monthly	Ongoing				
8	CEC		x		AQ-SC4	Dust Plume Response Requirement	Monitor all construction activities for visible dust plumes. If plumes observed, implement mitigation as specified.	ECM	Ongoing							
9	CEC		x		AQ-SC5	Diesel engine emissions - monitoring and reporting	Implement Diesel-Fueled Engine Control	ECM	Monthly		17-Jan-11	MCR Monthly			Should be verified monthly by checking registrations.	
9	CEC		x		AQ-SC5	Diesel engine emissions - monitoring and reporting	Submit compliance documentation in Monthly Compliance Report.	ECM	Monthly		Monthly	Ongoing				
10	CEC		x		AQ-SC5	Diesel engine emissions - monitoring and reporting	AQCMM to inspect and tag all diesel-fueled engines Diesel engines and tier standards - see full text. Do not idle diesel equipment for more than 5 mins.(see full text for exceptions)	ECM	Ongoing		Monthly	Ongoing				
11	CEC			x	AQ-SC6	Fleet Plan for operations vehicles	Update Fleet Plan every other year. Submit the Fleet Plan with Annual Report.	Operations	Bi-Annually		Annual				What is the anniversary date?	
12	CEC		x	x	AQ-SC6	Fleet Plan for operations vehicles	Submit to the CPM a Fleet Plan for vehicles dedicated to mirror washing and maintenance activities.	NEE	> 30d pt operation		31-Mar-13				To meet California On road emission standards	
13	CEC		x		AQ-SC7	Dust Control Plan - Construction	Submit Operations Dust Control Plan.	Operations	> 30d pt operation		31-Mar-13					
14	CEC			x	AQ-SC7	Dust Control Plan - Operations	Implement all requirements of the Operations Dust Control Plan	Operations	Ongoing		Aug					
15	CEC		x	x	AQ-SC7	Dust Control Plan - Operations	Submit report identifying locations of all speed limit signs, and a copy of the training manual.	Operations	< 60d after start of operation		1-Aug-12					
16	CEC	x	x	x	AQ-SC8	Air permit submittals	Submit all modified or revised ATC/PTO documents and all federal air permits.	Fluor	< 15d of receipt						Jenny Field sent the last renewal, changed address to site address.	
17	CEC	x	x	x	AQ-SC8	Air permit submittals	Submit copies of District issued Authority to Construct & Permit to Operate Documents.	Fluor	< 5d from date of submittal or receipt			12-Dec-10	Approved 1/17/11			
18	CEC			x	AQ-1	Equipment Operation, Application Requirements - NG boilers	Operate NG boilers in compliance with all data and specifications submitted with application.	Operations	Ongoing							
19	CEC			x	AQ-2	Equipment fuel Use, Manufacturer Specifications - NG boilers	Fuel equipment only with NG. Operate and maintain in accordance with manufacturer recommendations.	Operations	Ongoing							
20	CEC			X	AQ-3	Emissions limits, reporting - NG boilers	Emissions shall not exceed the following hourly emission limits (see full text)	Operations	Ongoing							
21	CEC			x	AQ-3	Emissions limits, reporting - NG boilers	Submit emissions compliance documentation in Annual Compliance Report.	Operations	Annually							
22	CEC			x	AQ-4	Maintenance and Operations Log - NG boilers	Maintain an operations log on-site and current for a minimum of five (5) years.	Operations	Ongoing, 5 yrs							
23	CEC			x	AQ-4	Maintenance and Operations Log - NG boilers	Make the site available to the District, ARB, and the Energy Commission for inspection of records.	Operations	Ongoing							
24	CEC			x	AQ-6	Initial MDAQMD Compliance Test - NG boilers	Submit test results within 180 days of initial start up.	Operations	< 180d after initial start up		28-Oct-13					
25	CEC		x		AQ-6	Initial MDAQMD Compliance Test - NG boilers	Notify agencies within fifteen working days before the initial MDAQMD compliance test.	Operations	< 15d prior to test							
26	CEC			x	AQ-7	Annual MDAQMD Compliance Test - NG boilers	Perform annual MDAQMD compliance tests.	Operations	Annually							
27	CEC			x	AQ-7	Annual MDAQMD Compliance Test - NG boilers	Submit results report to the District no later than six weeks prior to the expiration date of this permit.	Operations	< 6w pt expiration of permit							
					AQ-8		See AQ-9									
28	CEC			x	AQ-9	HTF Ullage/Exp. Tanks - HTF storage	Ullage tanks - This system shall store only HTF.	Operations	Ongoing							

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Internal Due Date	Date Final Due	Date Submitted to Agency	Agency Status	Documentation On Hand Y/N	Internal Comments	Operational On-going Cost
29	CEC			x	AQ-10	HTF Ullage/Exp. Tanks - Carbon absorbtion system	Monitor VOC output, sample weekly. Calibrate FID on day of use. Maintain log of weekly sampling results and keep log onsite. Provide sampling log to District upon request.	Operations	Weekly		1-May-13					
30	CEC			x	AQ-10	HTF Ullage/Exp. Tanks - Carbon absorbtion system	Operate ullage tanks system with the carbon adsorption system. [VOC and Benzene emissions cap, see full text]	Operations	Ongoing							
31	CEC			x	AQ-10	HTF Ullage/Exp. Tanks - Carbon absorbtion system	Submit compliance documentation in Annual Compliance Report.	Operations	Annually							
32	CEC			x	AQ-10	HTF Ullage/Exp. Tanks - Carbon absorbtion system	Submit a yearly summary report of all VOC emissions.	Operations	Jan-31 Annually							
33	CEC		x		AQ-10	HTF Ullage/Exp. Tanks - Carbon absorbtion system	Submit a monitoring and change-out plan for the system.	Fluor	pt initial start up	6/2012 submitted	1-Aug-12				Sener specs, Matt McCord	
34	CEC			x	AQ-10	HTF Ullage/Exp. Tanks - Carbon absorbtion system	Submit initial test results within 180 days after startup.	Fluor	< 180d after initial start up		28-Oct-13					
35	CEC		x		AQ-11	HTF Ullage/Exp. Tanks - Inspection, Maintenance and Monitoring Plan	Submit an HTF Ullage/Exp. Tanks vent release Inspection, Maintenance and Monitoring Plan.	Fluor	> 30d pt taking delivery of the HTF		13-Dec-12					
36	CEC		x		AQ-12	HTF Ullage/Exp. Tanks- Inspection, Maintenance and Monitoring Plan	Establish an HTF Piping and Exp Tank Inspection and Maintenance Program. Provide documentation to District staff upon request.	Fluor	> 30d pt taking delivery of the HTF		13-Dec-12					
37	CEC			x	AQ-12	HTF Ullage/Exp. Tanks- Inspection, Maintenance and Monitoring Plan	Make the site available to the District, ARB, and the Energy Commission for inspection of records.	Operations	Ongoing		Continuous					
38	CEC		x		AQ-12	HTF Ullage/Exp. Tanks- Inspection, Maintenance and Monitoring Plan	Submit to CPM an HTF Ullage/Exp. Tanks - Inspection, Maintenance and Monitoring Plan for review.	Fluor	> 30d pt taking delivery of the HTF		13-Dec-12					
39	CEC			x	AQ-12	HTF Ullage/Exp. Tanks- Inspection, Maintenance and Monitoring Plan	Submit volume of HTF removed and added in Annual Report.	Operations	Annually							
40	CEC		x		AQ-13	HTF Ullage/Exp. Tanks - Compliance Testing Plan and Reporting	Submit a report of test results to the District.	Fluor	< 45d after test							
41	CEC		x		AQ-13	HTF Ullage/Exp. Tanks - Compliance Testing Plan and Reporting	Notify District prior to testing.	Fluor	10d prior to test							
42	CEC		x		AQ-13	HTF Ullage/Exp. Tanks - Compliance Testing Plan and Reporting	Provide a written test plan for District review and approval.	Fluor	30d prior to test							
43	CEC			x	AQ-13	HTF Ullage/Exp. Tanks - Compliance Testing Plan and Reporting	Submit to the District a compliance test protocol.	Operations	< 60d after initial start up		29-Jun-13					
44	CEC			x	AQ-14	HTF Ullage/Exp. Tanks - Initial MDAQMD Compliance Testing and Reporting	Perform initial compliance tests in accordance with the MDAQMD Compliance Test Procedural Manual. Submit test report.	Operations	< 180d after initial start up		28-Oct-13					
45	CEC			x	AQ-15	HTF Ullage/Exp. Tanks - Annual MDAQMD Compliance Testing and Reporting	Make the site available to the District, ARB, and the Energy Commission for inspection of records.	Operations	Ongoing							
46	CEC			x	AQ-15	HTF Ullage/Exp. Tanks - Annual MDAQMD Compliance Testing and Reporting	Perform annual compliance tests in accordance with the MDAQMD Compliance Test Procedural Manual.	Operations	Annually							
47	CEC			x	AQ-15	HTF Ullage/Exp. Tanks - Annual MDAQMD Compliance Testing and Reporting	Submit test results and report to the District no later than six weeks prior to the expiration date of this permit.	Operations	< 6w pt expiration of permit							
48	CEC			x	AQ-15	HTF Ullage/Exp. Tanks - Annual MDAQMD Compliance Testing and Reporting	Retain all annual test records for 5 yrs.	Operations	Ongoing, 5 yrs							
49	CEC			x	AQ-16	HTF Ullage/Exp. Tanks - Emission rate caps	Include Ullage/tank emission rate caps compliance documentation in Annual Report.	Operations	Annually							
50	CEC			x	AQ-16	HTF Ullage/Exp. Tanks - Emission rate caps	Maintain emission rates below specified volumes.	Operations	Ongoing							
51	CEC		x	x	AQ-17	HTF Ullage/Exp. Tanks - Regulated Substances	Submit a Compliance Plan of the toxic or hazardous substances if current non-criteria substances in the HTF become regulated as toxic or hazardous substances.	Fluor / Operations	Ongoing							
52	CEC			x	AQ-18	Equipment Operation, Application Requirements - Cooling Towers	Operate cooling towers in compliance with all data and specifications submitted in application.	Operations	Ongoing							
53	CEC			x	AQ-19	Equipment Operation Manufacturer Specifications - Cooling Towers	Operate cooling towers in compliance with all manufacturer specifications.	Operations	Ongoing							
54	CEC			x	AQ-20	Drift Eliminator Monitoring and Reporting - Cooling Towers	Comply with drift rate emissions cap (see full text).	Operations	Ongoing							
55	CEC		x		AQ-20	Drift Eliminator Monitoring and Reporting - Cooling Towers	Submit manufacturer guarantee data for the drift eliminator.	Fluor	> 30d pt cooling tower operation		31-Mar-13					

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56	CEC			x	AQ-20	Drift Eliminator Monitoring and Reporting - Cooling Towers	Submit compliance documentation on operating emission rates with Annual Report.	Operations	Annually							
57	CEC		x		AQ-22	Water Testing Protocol - Cooling Tower	Submit a test and emissions calculation protocol.	Fluor	> 30d pt testing							
58	CEC			x	AQ-23	Operating Time Restrictions - Cooling Towers	Submit compliance documentation with Annual Report.	Operations	Annually	Prior to commissioning						
59	CEC			x	AQ-23	Operating Time Restrictions - Cooling Towers	Do not operated for more than 3,200 hours per rolling twelve month period and more than 15 hours per calendar day.	Operations	Ongoing	Prior to commissioning						
60	CEC			x	AQ-24	Maintenance and Operation Log - Cooling Tower	Maintain operations log onsite for 5 years.	Operations	Ongoing	Prior to commissioning to continue for 5 years						
61	CEC			x	AQ-24	Maintenance and Operation Log - Cooling Tower	Make site available for inspection of records and equipment by representatives of the District, ARB, and the Energy Commission.	Operations	Ongoing							
62	CEC			x	AQ-25	Drift Eliminator Maintenance Procedures	Make available compliance documentation for inspection by representatives of the District, ARB, and the Energy Commission	Operations	Ongoing							
63	CEC			x	AQ-26	Equipment Operation Manufacturer Specifications - 341HP generators	Operate generators in compliance with all manufacturer specifications.	Operations	Ongoing							
64	CEC			x	AQ-27	Fuel Restrictions - 341 HP generators	Use only ultra-low sulfur diesel fuel. Retain fuel purchase records.	Operations	Ongoing							
65	CEC		x		AQ-28	Elapsed Operating Time Meter - 341 HP generators	Install a non-resettable hour meter on the unit to indicate elapsed engine operating time. Submit to District and CPM the specifications of the hour meter.	Fluor	> 30d pt installation							
66	CEC			x	AQ-29	Operating Time Restrictions - 341 HP generators	Use limited to emergency power. Operate no more than 50hr/yr for testing and maintenance.	Operations	Ongoing							
67	CEC			x	AQ-30	Operations and Maintenance log - 341 HP generators	Maintain a operations log for a minimum of two years.	Operations	Ongoing 2 yrs after start of operations							
68	CEC			x	AQ-30	Operations and Maintenance log - 341 HP generators	Make records available to the District for three years.	Operations	Ongoing 3 yrs after start of operations							
69	CEC			x	AQ-30	Operations and Maintenance log - 341 HP generators	Submit compliance documentation in Annual Report.	Operations	Annually							
70	CEC			x	AQ-30	Operations and Maintenance log - 341 HP generators	Make site and records available for inspection by representatives of the District, ARB, and the Energy Commission.	Operations	Ongoing							
71	CEC			x	AQ-31	Voluntary Power Outage Use - 341 HP generators	Do not use generators during a voluntary power outage or reduction.	Operations	Ongoing							
72	CEC			x	AQ-32	Involuntary Power Outage Use - 341 HP generators	Operate generators <30 minutes pt ordered outage. Shut down immediately after advised that the outage is no longer imminent or in effect.	Operations	Ongoing							
73	CEC			x	AQ-33	ATCM Compliance - 341 HP generators	Operate and maintain equipment in accordance with ATCM for Stationary Compression Ignition Engines.	Operations	Ongoing							
74	CEC		x		AQ-34	NSPS Compliance -341 HP generators	Submit the engine specifications regarding NSPS and ARB ATCM emission limit requirements.	Fluor	> 30d pt purchase		30-Jun-11				purchase schedule assumed June, (TP)	
75	CEC			x	AQ-34	NSPS Compliance -341 HP generators	Operate and maintain equipment in compliance with requirements of the NSPS for Stationary Compression Ignition Internal Combustion Engines.	Operations	Ongoing							
76	CEC		x	x	AQ-35	Equipment Specification Compliance - 315 HP fire pump engines	Install, operate and maintain equipment in accordance with manufacture recommendations and with all data and specifications submitted with permit application.	Fluor / Operations	Ongoing							
77	CEC			x	AQ-36	Fuel Restrictions - 315 HP fire pump engines	Use only ultra-low sulfur diesel fuel for equipment.	Operations	Ongoing							
78	CEC		x		AQ-37	Elapsed Operating Time Meter - 315 HP fire pump engines	Install a non-resettable hour meter on this unit to indicate elapsed engine operating time. Provide the District and the CPM the specification of the hour timer.	Fluor	> 30d pt installation							
79	CEC			x	AQ-38	Operating time restrictions - 315 HP fire pump engines	Limit use for emergency power. Operate < 50hrs/yr for testing.	Operations	Ongoing							

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80	CEC			x	AQ-39	Operations and Maintenance log - 315 HP fire pump engines	Maintain an operations log for this unit current and on-site, for three years.	Operations	3 yrs after start of operations		1-May-13					
81	CEC			x	AQ-39	Operations and Maintenance log - 315 HP fire pump engines	Submit compliance documentation in Annual Report.	Operations	Annually							
82	CEC			x	AQ-40	ATCM Compliance - 315 HP fire pump engines	Operate and maintain equipment in accordance with ATCM for Stationary Compression Ignition Engines.	Operations	Ongoing							
83	CEC			x	AQ-41	NSPS Compliance - 315 HP fire pump engines	Operate and maintain equipment in compliance with requirements of the NSPS for Stationary Compression Ignition Internal Combustion Engines.	Operations	Ongoing							
84	CEC		x		AQ-41	NSPS Compliance - 315 HP fire pump engines	Submit the engine specifications demonstrating compliance with NSPS and ARB ATCM emission limit requirements.	Fluor	> 30d pt purchase		30-Jun-11				purchase schedule assumed June, (TP)	
85	CEC		x	x	AQ-42	Gas tank and pump - toll free number	Post the required toll-free number on the equipment.	Fluor / Operations	Ongoing							
86	CEC			x	AQ-43	Gas tank and pump - inspection and maintenance records	Maintain an inspection, repair and maintenance log onsite for at least two years.	Operations	2 yrs after start of operations		1-May-13					
88	CEC		x	x	AQ-44	Gas tank and pump - piping or vapor recovery modifications	Submit any modification to the piping or control fitting of the vapor recovery system for review and approval.	Fluor / Operations	Ongoing							
89	CEC		x	x	AQ-45	Gas tank and pump - Vapor vent piping	Equip the vapor vent pipes with Husky 5885 pressure relief valves or as otherwise allowed by EO.	Fluor	Ongoing							
90	CEC			x	AQ-46	Gas tank and pump - initial and annual testing	Perform pressure, leak and liquid removal tests annually. Document test data on a Form similar to EO VR-401-A Form 1	Operations	< 60d after construction completion		29-Aug-14					
91	CEC			x	AQ-46	Gas tank and pump - initial and annual testing	Submit results of pressure checks.	Operations	< 30d after test							
92	CEC			x	AQ-46	Gas tank and pump - initial and annual testing	Perform pressure, leak and liquid removal tests within 60 days of construction completion. Document test data on a Form similar to EO VR-401-A Form 1	Fluor	Annually							
93	CEC			x	AQ-46	Gas tank and pump - initial and annual testing	Make test results available to CPM upon request.	Operations	Ongoing							
94	CEC		x		AQ-46	Gas tank and pump - initial and annual testing	Notify District pt testing. (initial and annual)	Fluor	> 10d prior to test							
95	CEC			x	AQ-46	Gas tank and pump - initial and annual testing	Submit passing test reports to District.	Operations	< 6w pt expiration of permit							
96	CEC		x	x	AQ-47	Gas tank and pump - aboveground tank and vapor recovery system compliance	Install and maintain aboveground storage tank and vapor recovery system in compliance with California Health and Safety Code.	Fluor / Operations	Ongoing							
97	CEC			x	AQ-48	Gas tank and pumps - certified technician	Maintenance and repair of system components shall be performed by OPW Certified Technicians.	Operations	Ongoing							
98	CEC			x	AQ-49	Gas tank and pumps - maintenance intervals	Maintenance Intervals shall be conducted by an OPW trained technician annually.	Operations	Annually							
100	CEC			x	AQ-51	Gas tank and pumps - EVR phase I and II	Maintain, and operate EVR Phase I in compliance with CARB Executive Order VR-401-A, and Phase II vapor recovery in accordance with G-70-116-F.	Operations	Ongoing							
101	CEC	x			BIO-1	Designated Biologist - staff assignment	Assign Designated Biologist	AECOM/Thomas	> 30d pt gd		17-Dec-10	9/27/2010 2/18/11	Approved 11/30/10			
102	CEC		x		BIO-2	Designated Biologist - responsibilities	Include documentation of biological resource compliance in the Monthly Compliance Reports.	AECOM/Thomas	Monthly		Monthly					
103	CEC			x	BIO-2	Designated Biologist - responsibilities	Des Bio to submit bio compliance documentation through operations, unless approved by the CPM.	AECOM/Thomas	Annually							
104	CEC	x	x		BIO-2	Designated Biologist - responsibilities	Des Bio Pre-con: Consult on the preparation of the BRMIMP; Oversee survey efforts for sensitive bio resources; Mark sensitive biological resource areas and inspect regularly;	AECOM/Thomas			n/a	n/a	n/a			
105	CEC			x	BIO-2	Designated Biologist - responsibilities	Submit BRMIMP compliance summary reports in Annual Compliance Report.	AECOM/Thomas	Ongoing							

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105	CEC		x		BIO-2	Designated Biologist - responsibilities	Des Bio Const: Advise Construction and Operation Managers on bio resources and COCs; Train Bio Monitors on BRMIMP, WEAP	AECOM/Thomas	Ongoing								
106	CEC	x			BIO-3	Biological Monitors - Staff assignment	Assign Bio Monitors and submit training verification	AECOM/Thomas	> 30d pt gd		17-Dec-10	10-Dec-10	Approved (various dates)				
107	CEC		x		BIO-3	Biological Monitors - Staff assignment	Submit information on additional bio monitors, if needed	AECOM/Thomas	> 10d pt monitoring activity								
108	CEC			x	BIO-4	Biological Monitors - responsibilities	Employ a Bio Mon during operations if any action could affect a sensitive bio resource.	AECOM/Thomas	Ongoing								
109	CEC		x		BIO-4	Biological Monitors - responsibilities	Assist with surveys and in monitoring of site mobilization activities.	AECOM/Thomas	pt construction		Ongoing						
110	CEC		x		BIO-4	Biological Monitors - responsibilities	Include BIO-4 compliance documentation in Monthly Compliance Report.	AECOM/Thomas	Monthly		Monthly						
111	CEC		x		BIO-4	Biological Monitors - responsibilities	Bio Mons assist DB with surveys and monitoring disturbance activities.	AECOM/Thomas	Ongoing								
112	CEC		x	x	BIO-5	Designated Biologist and Biological Monitor Authority	Des Bio to notify agencies if there a stop work order.	AECOM/Thomas	Ongoing								
113	CEC	x			BIO-6	Worker Environmental Awareness Program (WEAP)	Prepare and Submit WEAP (including trainer resume)	AECOM/Thomas	> 30d pt gd		17-Dec-10	3-Dec-10	Comments received 12/08/10				
114	CEC			x	BIO-6	Worker Environmental Awareness Program (WEAP)	Conduct training annually for perm. Employees and within one week of arrival for new staff.	Operations	Annually								
115	CEC		x		BIO-6	Worker Environmental Awareness Program (WEAP)	Submit training records in the Monthly Compliance Report.	Flour	Monthly								
116	CEC		x	x	BIO-6	Worker Environmental Awareness Program (WEAP)	Conduct WEAP training to all onsite personnel within one week of arrival. Employees must sign a completion form and display a hardhat sticker. Keep all training forms on site.	Fluor	Ongoing								
117	CEC	x			BIO-6	Worker Environmental Awareness Program (WEAP)	Submit Final WEAP.	Tetra Tech	> 10d pt gd		6-Jan-11	1/4/2011 1/14/11	Approved 1/14/11				
118	CEC			x	BIO-6	Worker Environmental Awareness Program (WEAP)	Keep signed training forms on site for >6m after start of operations and 6m after staff dismissal.	Operations	> 6m Operations		1-May-13						
119	CEC	x	x		BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Submit the revised or supplemented BRMIMP.	Tetra Tech	< 10d of receipt of addl permits	Complete							
120	CEC	x			BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Submit Draft BRMIMP	Tetra Tech	> 30d pt site mobilization	Complete	17-Dec-10	23-Nov-10	comments received 12/21/10				
121	CEC	x		x	BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Conduct Aerial Surveys and submit pre-const. photos for review	Holt Group	after construction completion		2-Jan-11	10-Jan-11	pending				
122	CEC			x	BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Construction disturbance verification - submit post-construction aerial images of the project site .	Holt Group	< 90d after construction completion	Upon completion	28-Sep-14						
123	CEC	x	x		BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Submit any outstanding permits within 5 days of receipt and revise BRMIMP accordingly.	AE Com	< 5d of receipt								
124	CEC	x	x		BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Include BIO-7 compliance documentation in Monthly Compliance Report.	ECM	Monthly								
126	CEC	x			BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Submit final BRMIMP.	Tetra Tech	> 7d pt gd	Complete	9-Jan-11	1/5/2011 1/11/11	Approved 1/12/11				
127	CEC		x	x	BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Submit to the CPM a Construction Termination Report.	Tetra Tech	< 30d after construction completion	Complete	30-Jul-14						
128		x	x		BIO-8	Impact Avoidance and Minimization Measures	If an active bird nest is detected, submit Nesting Bird Monitoring and Management Plan	Designated Biologist	< 7d pt noisy construction in nesting habitat	On going	10-Jan-11	1/25/2011 2/25/11	3/14/2011				
128	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	Speed limit = 25 mph on all dirt roads and 45 mph on all paved roads.	Designated Biologist	Ongoing	Complete and throughout project							
128	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	Signs - Post speed limit signs at entrances and wildlife signs at potential crossing areas.	Designated Biologist	Ongoing	Complete						TOMMY will talk to peggy about where wildlife signs need to go.	
128	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	Water - prevent puddles from forming. Bio Monitor must patrol areas watered outside fence to ensure no puddles form.	Designated Biologist	Ongoing								
128	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	Use non-toxic soil bonding and weighting agents on unpaved surfaces.	Genesis Project management/ECM	Ongoing								

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128	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	Flag Project boundary in consultation with Des Bio and confine all disturbance and vehicles to within boundary. - PHASE II	Fluor	pt construction	Complete	25-Apr-11	completed	completed			
128	CEC	x			BIO-8	Impact Avoidance and Minimization Measures	Flag Project boundary in consultation with Des Bio and confine all disturbance and vehicles to within boundary. - PHASE I	Fluor	pt construction	Complete	10-Jan-11	completed	completed			
129	CEC				BIO-8	Impact Avoidance and Minimization Measures	Include BIO-8 compliance documentation in Annual Compliance Report.	ECM	Annually							
130	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	Include BIO-8 compliance documentation in Monthly Compliance Report.	ECM	monthly		Monthly					
131	CEC	x	x		BIO-8	Impact Avoidance and Minimization Measures	Design facility lighting to prevent side casting of light towards wildlife habitat.	Fluor		Ongoing						
131	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	Immediately clean up and properly dispose of all hazardous material spills and any contaminated soil.	ECM/Project Management	Ongoing							
132	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	Des. Bio or Bio Monitor must walk immediately ahead of equipment during brushing and grading activities in unfenced habitat.	Designated Biologist	Ongoing							
132	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	Stockpile spoil and topsoil in disturbed areas lacking native vegetation and are not habitat for special-status species.	Designated Biologist	Ongoing							
132	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	Des. Bio must be onsite during disturbance-activities in un-fenced areas.	Designated Biologist	Ongoing							
132	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	Install and maintain facility lighting downward. Use minimum lighting needed, including motion or infrared sensors.	ECM/Project Management	Ongoing							
132	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	Avoid loud construction activities (>65dBA) from February 15 to April 15 in nesting habitat. (See full text for exceptions).	ECM/Designated biologist/Project management	Ongoing							
132	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	Backfill or slope all open trenches outside fenced area at end of day. Inspect open trenches at beginning, throughout and end of day.	Project Management and Designated biologist	Ongoing							
132	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	Cap or elevate (>8" above ground) all pipes greater than 3" diameter and outside fenced area. OR inspect before moving.	ECM/Project Management	Ongoing							
132	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	Remove road-killed animals on Project roads. Contact agencies immediately if animal is a special-status species.	Designated Biologist	Ongoing							
132	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	Service vehicles and equipment in designated areas only. Service/maintenance vehicles must carry a bucket and pads to absorb leaks or spills.	ECM/Project Management	Ongoing							
132	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	Keep all food and trash in self-closing containers and remove from site daily.	ECM/Project Management/Designated Biologist	Ongoing							
132	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	Workers must not feed wildlife or bring pets to the Project site.	Designated Biologist/ECM	Ongoing							
132	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	No firearms or weapons onsite.	ECM through WEAP training	Ongoing							
132	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	Stabilize all disturbed soils and roads (const and oper).	ECM/Project Management/Designated Biologist	Ongoing							
132	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	Install and maintain erosion control measures to prevent sedimentation of "Waters of the State". Sediment and other flow-restricting materials shall be moved to a location where they shall not be washed back into the stream.	ECM	Ongoing							
134	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	If activities btwn Feb15 to Apr15 may result in noise >65 dBA in bird nesting habitat, submit nest survey results (as described in 9a).	Designated Biologist	< 7d before noisy construction							
135	CEC	x	x		BIO-8	Impact Avoidance and Minimization Measures	Locate parking areas, staging and disposal site locations in areas without native vegetation or special-status species habitat.	ECM/Project Management								

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135	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	Park and store vehicles within exclusion fence. If not possible, check under vehicle for tortoise before moving.	Project management								
135	CEC	x			BIO-8	Impact Avoidance and Minimization Measures	Designated Biologist must monitor ground disturbing activities prior to pre-construction site mobilization.	Designated Biologist	pt site mobilization	complete	16-Jan-11	completed				
136	CEC		x		BIO-9	Desert Tortoise Clearance Surveys and Fencing	Flag and survey the alignments for the permanent perimeter fence and utility rights-of-way fencing <24hrs PT fence construction.	Project management	< 24hrs pt fence construction	In progress						
137	CEC		x		BIO-9	Desert Tortoise Clearance Surveys and Fencing	Submit DT survey reports. Ph I	Tetra Tech	< 30d after survey complete	Complete	17-Feb-11	2/25/2011 3/28/11	Comments received 3/14/11			
137	CEC		x		BIO-9	Desert Tortoise Clearance Surveys and Fencing	Submit DT survey reports. P II	Tetra Tech	< 30d after survey complete	Complete	15-May-11					
138	CEC		x		BIO-9	Desert Tortoise Clearance Surveys and Fencing	Inspect temporary fencing weekly and, where drainages intersect the fencing, during and within 24 hours following major rainfall events. Repair fence immediately. If damage could have allowed tortoise entry, Des Bio must inspect area for animal presence.	Designated Biologist	< 24hr following rain event							
139	CEC		x		BIO-9	Desert Tortoise Clearance Surveys and Fencing	Inspect permanent fencing monthly, during and within 24 hours following all major rainfall events (flow is detectable within the fenced drainage). Repair fence immediately, with permanent repairs completed within 48 hrs.	Designated Biologist	< 48hrs following rain event							
140	CEC		x		BIO-9	Desert Tortoise Clearance Surveys and Fencing	If tortoises were relocated during fence installation, inspect fences at least two times a day for the first 7 days.	Designated biologist	Monthly		Monthly					
141	CEC	x			BIO-9	Desert Tortoise Clearance Surveys and Fencing	Design security gates with minimal ground clearance to deter ingress by tortoises.	Project management								
141	CEC		x		BIO-9	Desert Tortoise Clearance Surveys and Fencing	Clear plant site of Tortoise following construction of permanent fence. Search and collapse all unoccupied burrows. Excavate all occupied burrows. Relocate and monitor in accordance with Translocation Plan.	Tetra Tech	following const of permanent fence		15-Apr-11					
141	CEC	x			BIO-9	Desert Tortoise Clearance Surveys and Fencing	Install exclusion (supervised by Des. Bio or Monitors) fencing PT site clearing and grubbing.	ECM/Project management	pt clearing and grading		18-Jan-11	completed	completed			
142	CEC	x	x		BIO-10	Desert Tortoise Translocation Plan	Submit a Translocation Plan status report following translocation of a DT.	Tetra Tech	< 30d after initiation of relocation	complete						
143	CEC	x			BIO-10	Desert Tortoise Translocation Plan	Submit final version of Desert Tortoise Translocation Plan.	Tetra Tech	< 30d pt site mobilization	complete	17-Dec-10	11/29/10, resubmitted 12/28/10 resub 1/7/11 1/10/11 2/8/11	Approved 1/10/11			
144	CEC		x		BIO-11	Desert Tortoise Compliance Verification	Des Bio must be onsite daily during ground-disturbing construction activities located beyond permanent fencing.	Designated biologist	Ongoing							
145	CEC		x	x	BIO-11	Desert Tortoise Compliance Verification	Provide agencies with reasonable access to the Project site and compensation lands.	NextEra	Ongoing							
146	CEC			x	BIO-11	Desert Tortoise Compliance Verification	Submit a Final Listed Species Mitigation Report.	Tetra Tech	< 45d after initial start up	complete	14-Jun-13					
147	CEC		x		BIO-11	Desert Tortoise Compliance Verification	Des. Bio to conduct compliance inspections at least once per month after grading is completed.	Des. Bio	Monthly		Monthly					
149	CEC	x	x		BIO-11	Desert Tortoise Compliance Verification	DesBio - Notify agencies immediately of any injured or dead listed species. Follow up with written notification within 2 days.	Des. Bio	< 2d of discovery							
150	CEC	x			BIO-11	Desert Tortoise Compliance Verification	Des Bio - Notify the CPM > 14d pt construction ground disturbance. Ph I	Des Bio	> 14d pt gd		2-Jan-11	3-Jan-11	NA			
150	CEC	x			BIO-11	Desert Tortoise Compliance Verification	Des Bio - Notify the CPM > 14d pt construction ground disturbance. Ph II	Tetra Tech	> 14d pt gd	Complete	17-Apr-11					
150	CEC		x		BIO-11	Desert Tortoise Compliance Verification	Notify the CPM immediately of any NCR.	Des Bio	upon discovery							
151	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	Submit PAR analysis for compensation lands.	Tetra Tech	< 60d after CPM approval	Complete						

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152	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	Submit an Acquisition Proposal compensation lands.	Tetra Tech	< 12m after start of construction	Complete	12-Jan-12					
153	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	Fund activities for Des Tort compensation. Submit verification of funding to CPM.	NextEra	< 60d CPM determining requirements	Complete						
153	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	Complete initial protection and improvement activities of mitigation lands. Submit verification to CPM.	Tetra Tech	< 6m CPM determining requirements	Complete						
154	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	If delegated to third party, complete acquisition within 18 months of gd activities.	NextEra	< 18m after start of gd	Complete	9-Jul-12					
155	CEC			x	BIO-12	Desert Tortoise Compensatory Mitigation	Provide to agencies a total disturbance acreage, including B/A aerial photography.	Fluor	< 90d after completion of gd	??????	28-Sep-14					
156	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	If mitigation is not completed 30d pt gd, post security for funding.	NextEra	> 30d pt gd	N/A	1-Apr-11				look at tricia's table of approvals	
157	CEC	x			BIO-12	Desert Tortoise Compensatory Mitigation	Notify (written) CPM of gd activity commencement.	Tetra Tech	> 30d pt gd	Completed	17-Dec-10	3-Jan-10	NA			
157	CEC	x			BIO-12	Desert Tortoise Compensatory Mitigation	Notify (written) CPM of gd activity commencement. Phase II	Tetra Tech	> 30d pt gd	Complete	2-Apr-11					
158	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	Submit a Preliminary Title Report, initial hazardous materials survey report, biological analysis for compensation land.	Tetra Tech		??????						
159	CEC	x	x		BIO-12	Desert Tortoise Compensatory Mitigation	Fund long-term maintenance and management activities of the compensation lands. Submit verification of funding.	NextEra	< 30d after CPM approval	?????						
160	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	Acquire and transfer fee title to the compensation lands, a conservation easement over the lands, or both.	Fluor		????????	1-Nov-11	Complete	Complete			
161	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	Alternative to compensation lands, contribute funds to the Renewable Energy Action Team (REAT).	Fluor		Complete	1-Nov-11	Complete	Complete			
162	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	Submit a Management Plan for Compensation Lands.	Fluor	< 180d after acquisition	????????	1-Nov-11	Complete	Complete			
163	CEC			x	BIO-13	Raven Management Plan	Submit a status report of the Raven Management Plan implementation.	AE Com	< 30d after start of operation		30-May-13	Complete	Complete	Raven Management Plan submitted		
164	CEC	x			BIO-13	Raven Management Plan	Submit final Raven Management Plan.	Tetra Tech	> 30d pt construction	Complete	17-Dec-10	12/3/2010 1/4/11 1/8/11 1/10/11 2/8/11 2/15/11	Approved 3/2/11			
165	CEC	x			BIO-13	Raven Management Plan	Post payment to the REAT Account for Regional Raven Management Program. Submit documentation of payment..	NextEra	< 10d pt Project-related gd	Complete	7-Jan-11	23-Dec-10	NA			
167	CEC			x	BIO-13	Raven Management Plan	Include the status of the Raven Management Plan implementation in Jan 31 report during operations.	Fluor	Jan-31 Annually							
168	CEC		x	x	BIO-13	Raven Management Plan	Implement the approved Raven Management Plan.	Fluor	Ongoing							
169	CEC	x			BIO-14	Weed Management Plan	Submit final Weed Management Plan.	Alice Karl	> 10d pt Project-related gd		6-Jan-11	8/25/2010 resubmitted 1/5/11 1/11/11	Approved 1/10/11			
170	CEC			x	BIO-14	Weed Management Plan	Submit a status report of Weed Management Plan implementation.	Alice Karl	< 30d after start of operation		30-May-13					
171	CEC		x	x	BIO-14	Weed Management Plan	Implement the Weed Management Plan.	Alice Karl	Ongoing							
172	CEC			x	BIO-14	Weed Management Plan	Submit a status report of Weed Management Plan implementation in Jan 31 report during operation.	Alice Karl	Jan-31 Annually							
173	CEC			x	BIO-15	Pre-construction Nest Surveys and Avoidance Measures	Submit summary report of nest buffer zones in Jan 31 report during operations.	Alice Karl	Jan-31 Annually							
174	CEC	x	x		BIO-15	Pre-construction Nest Surveys and Avoidance Measures	If active nests are found, establish buffer and Nesting Bird Monitoring Plan (see BIO-8); map locations and submit report. Des. Bio or Monitor must monitor nest until nestlings fledged.	Des Bio	until fledged		After Feb 1	24-Feb-11	Complete			

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174	CEC	x	x		BIO-15	Pre-construction Nest Surveys and Avoidance Measures	If active nests are found, establish buffer and Nesting Bird Monitoring Plan (see BIO-8); map locations and submit report. Des. Bio or Monitor must monitor nest until nestlings fledge. PLANT SITE, PHASE II	Des Bio	until fledged		After Feb 1	24-Feb-11	Complete			
175	CEC	x	x		BIO-15	Pre-construction Nest Surveys and Avoidance Measures	Conduct two pre-construction nest surveys. If construction is inactive for > 3 weeks, additional surveys may be required.	Des Bio	< 7d pt construction		1-Feb-11	24-Feb-11	Complete			
176	CEC	x	x		BIO-15	Pre-construction Nest Surveys and Avoidance Measures	Submit letter report of nest survey results.	Des Bio	pt gd		22-Apr-11	24-Feb-11	Complete			
177	CEC		x		BIO-15	Pre-construction Nest Surveys and Avoidance Measures	Avoid construction in buffer zones established for active bird nests as determined and flagged by Des Bio.	Des Bio	until fledged		22-Apr-11	24-Feb-11	Complete			
179	CEC	x			BIO-16	Avian Protection Plan.	Submit a final Avian Protection Plan.	Tetra Tech	> 30d pt construction-related gd	Complete	17-Dec-10	12/6/2010 1/4/11	Approved 1/12/11			
180	CEC		x	x	BIO-16	Avian Protection Plan.	Implement an Avian Protection Plan	Des Bio	Ongoing	Still in action		Submitted Jan 2011.	Submitted Jan 2011.			
181	CEC		x	x	BIO-16	Avian Protection Plan.	Report project-related bird deaths or injuries to agencies.	Des Bio	Ongoing	ongoing						
182	CEC			x	BIO-16	Avian Protection Plan.	Continue quarterly and annual reporting on APP until agencies determine not necessary.	Des Bio	Ongoing, Quarterly and annually	After operation						
183	CEC			x	BIO-16	Avian Protection Plan.	Submit report of study design and results after two years of data collection.	Nextera Energy	< 3yr after start of operation		14-Apr-16					
184	CEC			x	BIO-16	Avian Protection Plan.	Submit quarterly monitoring reports of APP status. Follow up with an annual report (Jan 31).	Nextera Energy	Jan-31 Annually							
185	CEC		x		BIO-17	American Badger and Desert Kit Fox Impact Avoidance & Minimization Measures	Submit a report of badger and kit fox survey results. Ph I	Nextera Energy	< 30d after survey complete		17-Feb-11	2/25/2011 3/28/11	comments received 3/14/11			
185	CEC		x		BIO-17	American Badger and Desert Kit Fox Impact Avoidance & Minimization Measures	Submit a report of badger and kit fox survey results. Ph II	Nextera Energy	< 30d after survey complete		15-May-11					
186	CEC		x		BIO-17	American Badger and Desert Kit Fox Impact Avoidance & Minimization Measures	Perform pre-construction surveys for badger and kit fox dens. Ph II	AECOM	pt construction		15-Mar-11	Ongoing				
187	CEC	x			BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	If an active owl burrow is detected: Notify agencies that a relocation of owls is necessary.	AECOM	> 10d after survey complete		15-Apr-11					
188	CEC			x	BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	Submit results of monitoring and management of compensation lands.	Tetra Tech	Jan-31 Annually for first 5yrs of operations							
190	CEC		x		BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	If an active owl burrow is detected: Provide a land management plan.	AECOM	< 90d after acquisition							
191	CEC		x		BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	Submit verification to agencies that compensation land or easements have been acquired.	AECOM	< 18m after start of construction		9-Jul-12					
192	CEC	x	x		BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	Submit burrowing owl compliance documentation in monthly compliance report.	AECOM	Monthly							
193	CEC		x		BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	If an active owl burrow is detected: Submit acquisition proposal and a PAR analysis.	AECOM	> 90d pt acquisition							
194	CEC	x			BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	Conduct pre-construction surveys for burrowing owls. Ph I	AECOM	< 30d pt construction		16-Jan-11	Completed	Approved report 3/14/11			
194	CEC	x			BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	Conduct pre-construction surveys for burrowing owls. Ph II	AECOM	< 30d pt construction		1-Apr-11					
195	CEC	x	x		BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	If an active owl burrow is detected: Establish Non-Disturbance Buffer Fencing (250 radius). Provide documentation that fence has been installed. Phase I	AECOM	> 10d pt construction-related gd		6-Jan-11	NA				
195	CEC	x	x		BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	If an active owl burrow is detected: Establish Non-Disturbance Buffer Fencing (250 radius). Provide documentation that fence has been installed. Phase II	AECOM	> 10d pt construction-related gd		22-Apr-11					
196	CEC	x	x		BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	If an active owl burrow is detected: Provide land/mitigation compensation security verification.	AECOM	> 30d pt construction-related gd		17-Dec-10	23-Dec-10	NA			

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197	CEC			x	BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	Submit a Construction Termination Report identifying status of owl mitigation.	AECOM	< 30d Start of Operations		30-May-13					
198	CEC	x			BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	If an active owl burrow is detected: Submit Burrowing Owl Relocation and Mitigation Plan.	AECOM	< 30d after survey complete		17-Dec-10	11/26/2010 resubmitted 1/7/11	Approved 1/11/11			
199	CEC	x			BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Rare Plant Surveys - Submit drawings and plans with ESAs and Section A Measures.	Thomas Darden	> 30d pt gd		17-Dec-10	3-Jan-11	Approved 1/12/11			
200	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	If a Distribution Study is implemented as contingency mitigation, complete implementation within 2yrs of start of construction.	Tetra Tech	< 24m after start of construction		5-Jan-13					
200	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	If a Distribution Study is implemented as contingency mitigation, initiate study within 6 months from the start of construction.	Tetra Tech	< 6m after start of construction		15-Jul-11					
201	CEC	x			BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	If compensatory mitigation is required, post Security for acquisition and enhancement funds.	NextEra	> 30d pt gd		17-Dec-10	NA	NA		No compensatory mitigation required.	
202	CEC	x			BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Rare Plant Surveys - Submit data, field forms and summary of results.	Tetra Tech	< 2w after survey complete			22-Oct-10	Approved 11/2/2010			
204	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Habitat Enhancement: Submit Security adequate for long-term implementation and monitoring of the Habitat Enhancement / Restoration Plan.	Tetra Tech								
205	CEC	x			BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Rare Plant Surveys - Submit the Final Summer-Fall Botanical Survey Report.	Tetra Tech	> 30d pt gd		17-Dec-10	N/A	NA		N/A - no rare plants were found during fall surveys. Letter to CEC sent on 10/22 satisfied this requirement.	
206	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Habitat Enhancement: If proposed, secure approval of a Habitat Enhancement/Restoration Plan.	Tetra Tech	< 6m after start of construction		15-Jul-11					
207	CEC	x			BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Rare Plant Surveys - Submit draft Special-Status Plant Mitigation Plan.	Tetra Tech	> 30d pt gd		17-Dec-10	N/A	NA		Not required since no rare plants were found during fall surveys	
208	CEC	x	x	x	BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Notify agencies immediately if a State- or Federal-Listed Species, or BLM Sensitive Species is identified at any time during the life of the Project.	Tetra Tech								
209	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Compensatory Mitigation: Deposit the required funds and submit verification of deposit.	NextEra	> 30d after acquisition							
210	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Status and Distribution: Post funds for selected mitigation.	NextEra	< 18m after start of gd		9-Jul-12					
211	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Compensatory Mitigation: Submit a formal acquisition proposal and draft Management Plan.	Tetra Tech	> 90d pt acquisition							
212	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Submit compliance documentation of special-status plant avoidance and minimization measures in the Monthly Compliance Reports.	Tetra Tech	Monthly		Monthly	n/a				
213	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Compensatory Mitigation: Complete acquisition and submit verification.	Tetra Tech	< 18 m after start of gd		9-Jul-12					
214	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Habitat Enhancement: initiate activities > 12m from the start of construction.	Tetra Tech	< 12m after start of construction		12-Jan-12					
215	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Compensatory Mitigation: Submit any agreements with an approved, delegated third party.	Tetra Tech	> 90d pt acquisition							
216	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Status and Distribution: If selected, initiate study <6m after gd.	Tetra Tech	< 180d after gd		15-Jul-11					
216	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Status and Distribution: If selected, submit draft and final study within 24m and 30m after gd, respectively.	Tetra Tech	< 24m after start of gd		5-Jan-13					
218	CEC		x	x	BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Select, install and maintain ECDs such that special-status plants are not directly or indirectly affected (seed mixes, hay, runoff).	Fluor	Ongoing							
219	CEC	x			BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Assign a Designated Botanist.	Tetra Tech	none		none	9/27/2010 2/8/11	Approved 10/15/10			
220	CEC	x			BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Include Special-Status Plant discussion in the Worker Environmental Awareness Program (WEAP).	Tetra Tech			17-Dec-10	12/3/2010 resubmitted 1/4/11	Approved 1/14/11			
222	CEC	x			BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Establish and mark boundaries for ESAs PT start of any ground- or vegetation-disturbing activities.	Tetra Tech	pt gd		16-Jan-11	completed	NA			

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223	CEC		x	x (closure)	BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Designated Botanist: monitor disturbance activities weekly.	Tetra Tech	Weekly		17-Jan-11	Submitted in monthly report				
224	CEC	x			BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Incorporate site design modifications to minimize impacts to special-status plants along the Project linears.	Fluor								
225	CEC			x	BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Des Bio: Protect special-status plant species within 100ft of Project Boundaries during operations.	Darden	Ongoing, this task is in the daily and weekly DB reports. Included in the monthly compliance reports.							
226	CEC		x	x	BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Maintain a 100-ft buffer around ESAs. (vehicles, wash stations, storage, equipment, etc)	Darden	Ongoing							
227	CEC		x		BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Protect special-status plants within 100ft of site boundaries from drift of herbicides and stabilizer.	Darden, Karl, and operations	Ongoing, Re-vegetation efforts to begin middle of October.							
230	CEC	x			BIO-19-B	Section B: Special-Status Plant Impact Avoidance, Minimization and Compensation	If a special-status plant is found, record extent of population using GPS. Assess the extent of the species (qualitatively) within one mile of Project boundaries.	Karl, Darden	pt construction		16-Jan-11	NA	NA			
231	CEC	x			BIO-19-B	Section B: Special-Status Plant Impact Avoidance, Minimization and Compensation	Prior to the start of surveys, all crew members must visit reference sites (where available)	Tetra Tech	pt plant survey			completed				
232	CEC	x			BIO-19-C	Section C: Special-Status Plant Impact Avoidance, Minimization and Compensation	Collect seeds from affected Special-Status Plants and arrange for long-term storage prior to construction.	Tetra Tech	pt construction		16-Jan-11	NA	NA			
235	CEC	x			BIO-19-C	Section C: Special-Status Plant Impact Avoidance, Minimization and Compensation	Special-status plants: CNDDB Rank plants -If detected within the Project Disturbance Area, prepare and implement a Mitigation Plan.	Tetra Tech	n/a		n/a	NA	NA		Surveys completed. No rare plants found. COC not applicable.	
236	CEC	x			BIO-20	Sand Dunes / Mojave Fringe-Toed Lizard Mitigation	Post security for acquisitions and enhancement of MFTL habitat.	NextEra	> 30d pt construction-related gd		17-Dec-10	23-Dec-10	1/4/2011			
237	CEC		x		BIO-20	Sand Dunes / Mojave Fringe-Toed Lizard Mitigation	Submit a MFTL Compensation Land Management Plan and associated funding.	Tetra Tech	< 180d after acquisition							
238	CEC			x	BIO-20	Sand Dunes / Mojave Fringe-Toed Lizard Mitigation	Submit final accounting of MFTL habitat disturbed during construction within 90d of construction completion.	Tetra Tech	< 90d after start of operation		29-Jul-13					
239	CEC		x		BIO-20	Sand Dunes / Mojave Fringe-Toed Lizard Mitigation	Submit a formal acquisition proposal and PAR analysis.	Tetra Tech	> 90d pt acquisition							
240	CEC		x		BIO-20	Sand Dunes / Mojave Fringe-Toed Lizard Mitigation	Complete MFTL compensation land acquisition and submit verification.	Tetra Tech	< 18m after start of construction		9-Jul-12					
242	CEC		x		BIO-20	Sand Dunes / Mojave Fringe-Toed Lizard Mitigation	Provide funding for MFTL compensation lands OR deposit funds into NFWF's REAT Account.	NextEra								
243	CEC			x	BIO-21	Evaporation Pond Netting and Monitoring	Report any dead wildlife to Des Bio <24hrs. Des Bio must report to agencies ,48hrs.	Tetra Tech / Operations	< 1d of detection, all dead wildlife has been reported							
244	CEC			x	BIO-21	Evaporation Pond Netting and Monitoring	If no entanglements are detected after 12 months, continue to monitor quarterly.	Tetra Tech	quarterly		Quarterly					
245	CEC			x	BIO-21	Evaporation Pond Netting and Monitoring	Submit quarterly reports to agencies for first year of operation. Thereafter, submit reports annually.	Tetra Tech	quarterly		Quarterly					
246	CEC			x	BIO-21	Evaporation Pond Netting and Monitoring	If after 12 quarterly inspections there are no entanglements, continue biannually (spring, fall).	Tetra Tech	biannually							
247	CEC			x	BIO-21	Evaporation Pond Netting and Monitoring	Submit annual reports no later than January 31 of each year.	Tetra Tech	Jan-31 Annually							
248	CEC			x	BIO-21	Evaporation Pond Netting and Monitoring	Netting cannot touch the water in evap ponds.	Operations	Ongoing							
249	CEC			x	BIO-21	Evaporation Pond Netting and Monitoring	Consult with agency regarding removal of injured wildlife in evap ponds.	Tetra Tech	Ongoing							
250	CEC		x		BIO-21	Evaporation Pond Netting and Monitoring	Install a visual deterrent in addition to the mesh cover.	Fluor								
251	CEC			x	BIO-21	Evaporation Pond Netting and Monitoring	Submit as-built drawings and photos of evap ponds	Fluor	> 30d pt operation		31-Mar-13					

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252	CEC			x	BIO-21	Evaporation Pond Netting and Monitoring	Des Bio or Monitor must inspect netting monthly during operation.	Tetra Tech	monthly		Monthly					
254	CEC		x		BIO-22	Mitigation for Impacts to State Waters	Submit a draft Management Plan for the drainages on the acquired compensation lands.	Tetra Tech / Fluor	< 180d after acquisition							
256	CEC		x	x	BIO-22	Mitigation for Impacts to State Waters	Provide a copy of Condition of Certification BIO-22 to all on-site personnel (detailing Stop Work Authorities).	Genesis ECM/Operations	Ongoing, part of the WEAP training							
257	CEC	x			BIO-22	Mitigation for Impacts to State Waters	Notify agencies prior to disturbance and completion of work in jurisdictional waters.	Tetra Tech / Fluor	> 5d pt construction-related gd in state waters		10-Jan-11	3-Jan-11	NA			
258	CEC			x	BIO-22	Mitigation for Impacts to State Waters	Include a discussion of work in waters of the state in Annual Compliance Reports.	Genesis EHS	Annually		Annual					
258	CEC		x		BIO-22	Mitigation for Impacts to State Waters	Include a discussion of work in waters of the state in Monthly Compliance Reports.	Genesis ECM	Monthly, a section on the monthly report addresses this issue.		Monthly					
259	CEC			x	BIO-22	Mitigation for Impacts to State Waters	Submit a final accounting of disturbance to jurisdictional waters during construction.	Genesis ECM	< 90d after start of operation		29-Jul-13					
260	CEC		x		BIO-22	Mitigation for Impacts to State Waters	Transfer fee title or submit a conservation easement for compensation lands.	Genesis ECM								
261	CEC	x			BIO-22	Mitigation for Impacts to State Waters	Provide verification of Security 30d pt CR gd.	NextEra	> 30d pt construction-related gd		17-Dec-10	23-Dec-10	1/4/2011			
262	CEC		x	x	BIO-22	Mitigation for Impacts to State Waters	Drainage BMPs: Minimize road building, construction activities and vegetation clearing within ephemeral drainages to the extent feasible. Do not allow water containing mud, silt, or other pollutants from grading, aggregate	Genesis Project management/ECM	Ongoing							
263	CEC	x			BIO-22	Mitigation for Impacts to State Waters	Provide written verification (i.e., through incorporation into the BRMIMP) to the CPM that BMPs shall be implemented.	ECM	> 30d pt construction-related gd in state waters		11-Jan-11	23-Nov-10	NA			
264	CEC			x	BIO-22	Mitigation for Impacts to State Waters	Submit a report of monitoring and management of compensation lands.	Operations	Jan-31 Annually							
265	CEC		x		BIO-22	Mitigation for Impacts to State Waters	Submit verification of acquisition.	Fluor	< 18m after start of construction		9-Jul-12					
266	CEC			x	BIO-22	Mitigation for Impacts to State Waters	Include a copy of the notifying change of conditions report in the annual reports.	Operations	Annually							
268	CEC	x	x		BIO-22	Mitigation for Impacts to State Waters	Notify agencies of any change of conditions to the Project (site conditions, impacts, mitigation).	ECM	< 7d upon discovery							
269	CEC			x	BIO-22	Mitigation for Impacts to State Waters	Include a copy of the notifying change of conditions report in the annual reports.	Operations	Annually							
270	CEC	x			BIO-23	Decommissioning and Closure Plan	Post security for Decommissioning and Closure Plan.	NextEra	> 10d pt construction-related gd		6-Jan-11	4-Jan-11	Approved 1/11/11			
271	CEC			x	BIO-23	Decommissioning and Closure Plan	Revise and submit Decommissioning and Closure Plan every 5yrs during operations.	Operations	every 5yrs							
272	CEC			x	BIO-23	Decommissioning and Closure Plan	Implement a final Decommissioning and Closure Plan.	Operations	Project closure							
273	CEC	x			BIO-23	Decommissioning and Closure Plan	Submit a draft Decommissioning and Closure Plan.	Worley Parsons	> 30d pt construction-related gd		17-Dec-10	25-Aug-10	Approved 10/15/2010			
274	CEC		x	x	BIO-24	Revegetation of Temporarily Disturbed Areas	Submit status report of Reveg Plan yearly.	Tetra Tech	Jan-31 Annually							
275	CEC		x	x	BIO-24	Revegetation of Temporarily Disturbed Areas	Implement Revegetation Plan.	Fluor	Ongoing							
276	CEC	x			BIO-24	Revegetation of Temporarily Disturbed Areas	Submit to the CPM a final agency-approved Revegetation Plan.	Tetra Tech	> 30d pt construction-related gd		17-Dec-10	8/25/2010 resubmitted 12/29/10	Approved 1/12/11			
277	CEC			x	BIO-24	Revegetation of Temporarily Disturbed Areas	Provide compliance documentation and status of completion of the Reveg Plan.	Tetra Tech	< 30d after construction completion		30-Jul-14					
278	CEC				BIO-25		DELETED									
279	CEC				BIO-26		DELETED									
280	CEC			x	BIO-27	Couch's Spadefoot Toad Impact Avoidance and Minimization Measures	Conduct Spadefoot Toad surveys. Submit findings	Alice Karl	Oct-10		30-Oct-10	25-Oct-10	NA			

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280	CEC			x	BIO-27	Couch's Spadefoot Toad Impact Avoidance and Minimization Measures	If ponds are created, submit compliance documentation yearly.	Tetra Tech	Jan-31 Annually			n/a				
281	CEC		x		BIO-27	Couch's Spadefoot Toad Impact Avoidance and Minimization Measures	If ponds are created, provide as-built drawings and photos.	Tetra Tech	> 90d pt operation		30-Jan-13	n/a				
282	CEC	x			BIO-27	Couch's Spadefoot Toad Impact Avoidance and Minimization Measures	Submit a final CST Protection and Mitigation Plan.	Tetra Tech	> 30d pt construction-related gd		17-Dec-10	11/20/2010 resubmitted 1/5/11 1/10/11	Approved 1/11/11			
283	CEC		x	x	BIO-27	Couch's Spadefoot Toad Impact Avoidance and Minimization Measures	Implement a CST Protection and Mitigation Plan.	Tetra Tech	Ongoing							
284	CEC		x		BIO-28	Golden Eagle Inventory and Monitoring	If a nest is found, notify agencies submit final Golden Eagle Monitoring and Management Plan.	DB/Thomas	< 30d after detection							
285	CEC		x		BIO-28	Golden Eagle Inventory and Monitoring	Survey for golden eagle annually during construction.	DB/Thomas	Annually							
287	CEC		x		BIO-28	Golden Eagle Inventory and Monitoring	Submit results of eagle inventory.	Tetra Tech	< 30d of survey completion		30-Jun-11					
288	CEC	x			BIO-29	in-Lieu Mitigation Option	Notify CEC if an in-lieu fee is preferred for bio mitigation.	NextEra	pt construction-related gd		16-Jan-11	23-Dec-10	NA			
289	CEC	x			CUL-1	prehistoric Trails Network Cultural Landscape (PTNCL) Documentation and Poss. NRHP Nomination	Submit notice of fund transfer.	NextEra	< 10d of transfer			27-Sep-10	Approved 10/15/10			
290	CEC	x			CUL-1	PTNCL Documentation and Poss. NRHP Nomination	Contribute funds for the PTNCL Documentation and Possible NRHP Nomination program.	NextEra	upon receipt of invoice			27-Sep-10	Approved 10/15/10			
291	CEC	x			CUL-2	Desert Training Center CAL-AZ Maneuver Area Cultural Landscape Documentation and Poss. NRHP Nomination	Submit notice of fund transfer.	NextEra	< 10d of transfer			27-Sep-10	Approved 10/15/10			
292	CEC	x			CUL-2	Desert Training Center CAL-AZ Maneuver Area Cultural Landscape Documentation and Poss. NRHP Nomination	Contribute funds for the Documentation and Possible NRHP Nomination program (DTCCL)	NextEra	upon receipt of invoice			27-Sep-10	Approved 10/15/10			
293	CEC	x			CUL-3	Cultural Resources Personnel	Assign a cultural resource specialist (CRS).	AECom	pt site mobilization		16-Jan-11	26-Aug-10	Approved 10/18/10			
294	CEC	x	x		CUL-3	Cultural Resources Personnel	Submit resume of CRS replacement (if necessary).	AECom	10d pt CRS departure				N/A			
295	CEC	x			CUL-3	Cultural Resources Personnel	Obtain services of a specialist backhoe operator during excavation of CA-Riv-9072	AECom	NA		NA	NA	NA			
296	CEC	x	x		CUL-3	Cultural Resources Personnel	CRS to oversee all cultural resources mitigation, monitoring, curation, and reporting activities.	Jessica Auch	Ongoing							
297	CEC	x			CUL-3	Cultural Resources Personnel	Submit resumes for a CRS, alternate CRS (optional), prehistoric archaeologist, ethnographer, historical archaeologist, project geoarchaeologist.	AECom	> 75d pt gd		2-Nov-10	26-Aug-10	CRS, Approved 10/18/10 Alt CRS (addl info submitted 10/29) PPA, Approved 10/18/10 PHA, Approved 10/18/10 GE (addl info submitted 10/29)			
298	CEC	x	x		CUL-3	Cultural Resources Personnel	Submit letter with names and quals of additional CR Monitors.	AECom	5d pt arrival on site		as needed	30-Mar-11				
299	CEC	x	x		CUL-3	Cultural Resources Personnel	Submit confirmation of CR staff availability for CUL-8, 10, 11, 12 and 17.	AECom	10d pt data recovery		7-Jan-11	Completed with resume submittal	NA			
301	CEC	x			CUL-3	Cultural Resources Personnel	Submit letter with names and quals of CR Monitors.	AECom	15d pt data recovery		2-Jan-11	10-Dec-10	Approved 1/13/11			
301	CEC	x			CUL-3	Cultural Resources Personnel	Submit letter with names and quals of field crew members.	AECom	15d pt data recovery		2-Jan-11	NA	NA			
302	CEC		x		CUL-4	Project Documents for Cultural Resources Personnel	If phased construction schedule changes, submit notice of change.	Jessica Auch	< 5d of decision							
303	CEC	x	x		CUL-4	Project Documents for Cultural Resources Personnel	If construction is phased, submit maps and drawings. Provide phase schedule to CRS and CPM.	Jessica Auch	15d pt start of each phase		1-Jan-11	Completed with CIVIL-1				
303	CEC	x	x		CUL-4	Project Documents for Cultural Resources Personnel	If construction is phased, submit maps and drawings. Provide phase schedule to CRS and CPM. Phase II	Jessica Auch	15d pt start of each phase		16-Apr-11					
304	CEC	x			CUL-4	Project Documents for Cultural Resources Personnel	Submit CR data and maps to CR staff and CPM.	Jessica Auch	> 60d pt gd		17-Nov-10	1-Dec-10	Pending - addl info requested			
305	CEC	x	x		CUL-4	Project Documents for Cultural Resources Personnel	Submit any changes in footprint.	Jessica Auch	15d pt gd		1-Jan-11	1/4/2011 3/18/11	Approved 3/30/11			

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306	CEC		x		CUL-4	Project Documents for Cultural Resources Personnel	Submit weekly schedule and location of activities to CRS and CPM during ground disturbance.	Jessica Auch	Weekly		17-Jan-11					
307	CEC	x			CUL-5	Cultural Resources Monitoring and Mitigation Plan	Submit information from curation facility.	Jessica Auch	> 30d pt gd		17-Dec-10	12-Nov-10	NA			
308	CEC	x			CUL-5	Cultural Resources Monitoring and Mitigation Plan	Submit letter agreement to fund curation fees.	Jessica Auch	> 20d pt gd		27-Dec-10	10-Dec-10	NA			
309	CEC	x			CUL-5	Cultural Resources Monitoring and Mitigation Plan	Submit the CRMMP.	Jessica Auch	> 30d pt gd		1-Mar-11	3/1/2011 4/4/11				
310	CEC		x		CUL-6	Cultural Resources Report	Submit a draft CR Report (CRR) if requesting suspension of construction (if necessary). Retain a copy of the draft CRR onsite.	Jessica Auch	> 30d after request to suspend construction							
311	CEC		x		CUL-6	Cultural Resources Report	Submit documentation of CRR distribution to parties.	Jessica Auch	< 10d of CRR approval							
312	CEC			x	CUL-6	Cultural Resources Report	Submit the final CRR.	Jessica Auch	< 180d after completion of gd		28-Dec-14					
313	CEC	x			CUL-7	Worker Environmental Awareness Program	CRS to submit training program.	Jessica Auch	> 30d pt gd		17-Dec-10	12/10/2010 resubmitted on 1/4/11	comments received 2/28/11			
314	CEC	x			CUL-7	Worker Environmental Awareness Program	CRS to submit WEAP training acknowledgement form.	Jessica Auch	> 15d pt gd		1-Jan-11					
315	CEC		x		CUL-7	Worker Environmental Awareness Program	Submit all new WEAP acknowledgement forms and a running tally of trained employees in monthly compliance report.	Jessica Auch	Monthly		Monthly					
316	CEC		x		CUL-7	Worker Environmental Awareness Program	Conduct WEAP training for all new workers prior to and during gd (including landscaping)	Jessica Auch	Ongoing							
317	CEC		x		CUL-8	Construction Monitoring Program	Geoarchaeologist to observe and sample all trenching of Tline as part of PTCNL documentation and possible NRHP nomination program (CUL-1).	Jessica Auch	1-Aug-11							
318	CEC	x	x		CUL-8	Construction Monitoring Program	Submit statement daily during gd if "no cultural resources over 50 years of age were discovered".	Jessica Auch	daily		17-Jan-11	Ongoing				
320	CEC		x		CUL-8	Construction Monitoring Program	Submit a summary report of CR-related monitoring and any new DPR 523A forms as part of the monthly compliance report.	Jessica Auch	Monthly		Monthly	1-Apr-11				
321	CEC		x		CUL-8	Construction Monitoring Program	Submit justification for reduction or cessation of CRS daily reporting.	Jessica Auch	< 24hrs pt change of reporting			8-Mar-11	3/28/2011			
322	CEC		x		CUL-8	Construction Monitoring Program	CR Staff to monitor and maintain daily log on provided forms for all gd activity until the Qoaf alluvium is reached. (including roads)	Jessica Auch	daily							
323	CEC		x		CUL-8	Construction Monitoring Program	Notify CPM of NCRs w/in 24 hrs, recommend corrective action.	Jessica Auch	< 24hr of discovery							
323	CEC		x		CUL-8	Construction Monitoring Program	Include report of any NCRs in monthly compliance report.	Jessica Auch	Monthly							
324	CEC	x	x		CUL-8	Construction Monitoring Program	Submit a copy of any Native American employment request and a copy of a response letter.	Jessica Auch	< 15d of receipt		10-Feb-11	8-Feb-11	Approved 3/2/2011			
326	CEC	x			CUL-8	Construction Monitoring Program	CPM to provide CRS with daily monitoring form.	Jessica Auch	> 30d pt gd		17-Dec-10	26-Nov-10	NA			
327	CEC	x	x		CUL-8	Construction Monitoring Program	Submit documentation of transmittals to Native American representatives following discovery of cultural material.	Jessica Auch	< 30d upon discovery							
328	CEC	x	x		CUL-8	Construction Monitoring Program	Submit "discovery" responses from tribes.	Jessica Auch	< 15d of receipt							
329	CEC	x			CUL-9	Authority to Halt Construction; Treatment of Discoveries	Submit confirmation that CRS and CR staff have stop-work authority and notification requirements.	Jessica Auch	> 30d pt gd		17-Dec-10	10-Dec-10	NA			
330	CEC	x	x		CUL-9	Authority to Halt Construction; Treatment of Discoveries	If cultural material is found, notify agencies (<24 hrs), Tribes (48hrs, as appropriate); submit a DPR 523 form; treat find in accordance with CRMMP.	Jessica Auch	< 24hr of discovery			Ongoing notification				
331	CEC		x		CUL-10	WEAP - Cultural Considerations	Implement CRMMP when within 30meters of these sites	Jessica Auch	Ongoing							
332	CEC	x			CUL-10	WEAP - Cultural Considerations	Notify CPM that data recovery for small site has begun.	Jessica Auch	> 15d pt data recovery		1-Jan-11	21-Dec-10	NA			
332	CEC	x			CUL-10	WEAP - Cultural Considerations	Notify CPM that data recovery for small site has begun.Phase II	Jessica Auch	> 15d pt data recovery		10-Mar-11	9-Mar-11	3/28/2011			
334	CEC	x			CUL-10	WEAP - Cultural Considerations	Notify CPM when data recovery is complete.	Jessica Auch	< 1w of data recovery completion			1-Feb-11				

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334	CEC	x			CUL-10	WEAP - Cultural Considerations	Notify CPM when data recovery is complete. Phase II	Jessica Auch	< 1w of data recovery completion		30-Mar-11					
335	CEC		x		CUL-11	Data Recovery for Large sites	Submit letter report of data recovery.	Jessica Auch	< 1w of data recovery completion							
335	CEC		x		CUL-11	Data Recovery for Large sites	Submit letter report of data recovery. Phase II	Jessica Auch	< 1w of data recovery completion		30-Mar-11					
336	CEC		x	x	CUL-11	Data Recovery for Large sites	Submit to CPM any draft research paper to be presented at a professional organization.	Jessica Auch	> 15d pt presentation							
338	CEC	x			CUL-11	Data Recovery for Large sites	Notify CPM of recovery at large sites.	Jessica Auch	> 45d pt gd at site		2-Dec-10	21-Dec-10	NA			
340	CEC		x		CUL-12	Surface Collection with Sampling for site CA-RIV-9073	Notify CMP of collection at CA-Riv-9072 is complete and PRIOR to CR gd in that location.	Jessica Auch	< 7d pt gd at site		25-Apr-11					
341	CEC	x			CUL-12	Surface Collection with Sampling for site CA-RIV-9074	Notify CPM that collection at CA-Riv-9072 will commence.	Jessica Auch	> 15d pt data recovery		1-Jan-11	9-Mar-11	3/28/2011			
343	CEC	x			CUL-12	Surface Collection with Sampling for site CA-RIV-9076	Submit a preliminary letter report detailing finds at CA-Riv-9072. Can be included with report for CUL-11.	Jessica Auch								
345	CEC	x	x		CUL-13	Flag and Avoid	CA-Riv-0260, CA-Riv-0663, and CA-Riv-9072: avoid impacts to these sites.	Jessica Auch	pt gd within 30m of site		16-Jan-11					
346	CEC	x	x		CUL-13	Flag and Avoid	Inspect flagged buffer zone around sites CA-Riv-0260, CA-Riv-0663, and CA-Riv-9072 monthly. Submit compliance documentation in the Monthly Compliance Report.	Jessica Auch	Monthly		16-Jan-11					
346	CEC	x	x		CUL-13	Flag and Avoid	Flag buffer zone around sites CA-Riv-0260, CA-Riv-0663, and CA-Riv-9072.	Jessica Auch	pt gd at site		1-May-11					
347	CEC				CUL-14		DELETED	Jessica Auch								
348	CEC				CUL-15		DELETED	Jessica Auch								
349	CEC	x			CUL-16	Native American Assessment of Impacts and Mitigation Recommendations for Ethnographic Resources	Submit results of Native American consultation.	Jessica Auch	> 15d pt construction		1-Jan-11				Requires response from BLM consultation. Pending.	
350	CEC	x			CUL-16	Native American Assessment of Impacts and Mitigation Recommendations for Ethnographic Resources	Notify CPM of consultation.	Jessica Auch	> 30d pt construction		17-Dec-10	12-Dec-10	NA			
350	CEC	x			CUL-16	Native American Assessment of Impacts and Mitigation Recommendations for Ethnographic Resources	Documentation that security gate/guard is in place.	Jessica Auch	pt grading		1-May-11					
351	CEC	x			CUL-16	Native American Assessment of Impacts and Mitigation Recommendations for Ethnographic Resources	Consult with Native American representatives regarding to the McCoy Spring National Register Archaeological District and sites CA-Riv-0523, CA-Riv-3149, CA-Riv-4569, and CA-Riv-4699	Jessica Auch	pt construction		Ongoing through CEC specialist under CUL-1	Ongoing			Confirm with Chris/Bev and Beth that this condition is being met by the work being conducted by Dr. Lowell Bean (hired under CUL-1) to interview Native Americans.	
352	CEC	x			CUL-17	Historic Period Site Mapping and In-Field Artifact Analysis	Include in CRMMP a data recovery plan for the historic-period archaeological resources.	Jessica Auch	pt gd		16-Jan-11	1-Mar-11	Pending			
353	CEC	x			CUL-17	Historic Period Site Mapping and In-Field Artifact Analysis	Submit to CPM letter report that data recovery is complete.	Jessica Auch	< 7d of data recovery completion			2/1/2011 2/11/11	Approved 2/14/11			
354	CEC	x	x		CUL-17	Historic Period Site Mapping and In-Field Artifact Analysis	Implement CRMMP within 30 meters of these sites.	Jessica Auch	Ongoing							
355	CEC	x	x		CUL-17	Historic Period Site Mapping and In-Field Artifact Analysis	Notify CPM that historic-period site mapping and in-field artifact analysis will commence.	Jessica Auch	> 15d pt gd within 30m of site			17-Jan-11				
355	CEC	x	x		CUL-17	Historic Period Site Mapping and In-Field Artifact Analysis	Notify CPM that historic-period site mapping and in-field artifact analysis will commence. Ph II	Jessica Auch	> 15d pt gd within 30m of site			9-Mar-11	3/28/2011			
356	CEC		x		CUL-18	Compliance with BLN Programmatic Agreement	Comply with BLM Programmatic Agreement.	Jessica Auch	Ongoing							
357	CEC		x	x	HAZ-1	Hazardous Materials list of approved substances	Do not use hazmats not listed, or in quantities listed in App A.	Fluor / Operations	Ongoing							
358	CEC			x	HAZ-1	Hazardous Materials list of approved substances	Submit a list of haz mats contained at the facility in the Annual Compliance Report.	Fluor / Operations	Annually							
359	CEC		x		HAZ-2	Hazardous Materials Business Plan, Spill Prevention, Control and Countermeasure Plan, Process Safety Management Plan	Submit a final Hazardous Materials Business Plan.	Fluor	> 60d pt receipt of hazmat		1-Jul-12				assumed receipt June 2	

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359	CEC		x		HAZ-2	Hazardous Materials Business Plan, Spill Prevention, Control and Countermeasure Plan, Process Safety Management Plan	Submit a final Spill Prevention, Control, and Countermeasure Plan.	Mosley	> 60d pt receipt of hazmat		2-Jul-12				assumed receipt June 2	
359	CEC		x		HAZ-2	Hazardous Materials Business Plan, Spill Prevention, Control and Countermeasure Plan, Process Safety Management Plan	Submit a final Process Safety Management Plan.	Fluor	> 60d pt receipt of hazmat		3-Jul-12				assumed receipt June 2	
360	CEC		x		HAZ-3	Safety Management Plan for Hazardous Material	Submit a Safety Management Plan.	Fluor	> 60d pt receipt of hazmat		1-Apr-11				assumed receipt June 2	
361	CEC		x	x	HAZ-3	Safety Management Plan for Hazardous Material	Implement Safety Management Plan.	Fluor / Operations	Ongoing							
362	CEC		x		HAZ-4	HTF pipe system isolation valves	Submit design drawings showing the number, location, and type of HTF isolation valves.	Fluor	> 30d pt const. of solar array		31-Aug-11					
363	CEC	x			HAZ-5	Construction Site Security Plan	Submit a Construction Security Plan Verification.	Fluor	> 30d pt construction		17-Dec-10	2-Dec-10	Approved 12/10/10			
364	CEC			x	HAZ-6	Operations Site Security Plan	Submit statement confirming all employee background checks are complete and appended to Security Plan as part of the Annual Compliance Report.	Fluor / Operations	Annually							
365	CEC		x		HAZ-6	Operations Site Security Plan	Submit a Operations Site Security Plan.	Fluor	> 30d pt receipt of hazmat		13-Jan-13					
366	CEC			x	HAZ-6	Operations Site Security Plan	Submit verification Security Plan includes all current hazmat transport vendor certifications as part of the Annual Compliance Report.	Fluor / Operations	Annually							
367	CEC		x		Public Health-1	Cooling Water Management Plan	Submit a Cooling Water Management Plan.	Fluor	> 60d pt cooling tower operation							
368	CEC	x			NOISE-1	Resident Notification- Pre-construction	Notify residents within 2 miles of the site and 0.5 mile of linears of start of construction. (Include phone # for noise complaints)	Fluor	> 15d pt gd		1-Jan-11	14-Jan-11				
369	CEC		x	x	NOISE-1	Resident Notification- Pre-construction	Maintain telephone number for noise complaints until facility is operational for one year.	Fluor / Operations	1yr							
370	CEC		x		NOISE-1	Resident Notification- Pre-construction	Post telephone number for noise complaints at the site during construction, visible to passersby.	Fluor	Ongoing						within 6 miles of the nearest neighbor. No neighbors.	
371	CEC	x			NOISE-1	Resident Notification- Pre-construction	Submit statement and documentation of compliance to CPM.	Fluor	pt gd		16-Jan-11	14-Jan-11				
372	CEC		x	x	NOISE-2	Noise Complaint Process	Document, investigate, evaluate, and attempt to resolve all project-related noise complaints.	Fluor / Operations	Ongoing							
373	CEC		x	x	NOISE-2	Noise Complaint Process	Contact individual making complaint.	Fluor / Operations	< 24hr of receipt							
374	CEC		x	x	NOISE-2	Noise Complaint Process	Submit the Noise Complaint Resolution Form.	Fluor / Operations	< 5d of receipt							
375	CEC		x	x	NOISE-3	Noise Control Program	Make the Program available to OSHA upon request.	Fluor / Operations	Ongoing							
376	CEC	x			NOISE-3	Noise Control Program	Submit a Noise Control Program and a statement of commitment.	Fluor	> 30d pt gd		17-Dec-10	30-Nov-10	Approved 12/20/10			
377	CEC			x	NOISE-4	Occupational Noise Survey	Conduct an occupational noise survey.	Operations	following first sustained output of 90%							
378	CEC			x	NOISE-4	Occupational Noise Survey	Make the report available to OSHA and Cal/OSHA upon request.	Operations	Ongoing							
379	CEC			x	NOISE-4	Occupational Noise Survey	Submit report of survey findings.	Operations	< 30d after test							
380	CEC	x			Soil & Water-1	Drainage Erosion and Sedimentation Control Plan	Submit final Drainage Erosion and Sedimentation Control Plan. Phase II	Fluor	> 30d pt site mobilization		2-Apr-11	Prelim 3/9/11 Draft 3/22/11				
380	CEC	x			Soil & Water-1	Drainage Erosion and Sedimentation Control Plan	Submit final Drainage Erosion and Sedimentation Control Plan. PHASE I	Fluor	> 30d pt site mobilization		22-Dec-10	27-Dec-10	Approved 1/21/11			
381	CEC	x	x		Soil & Water-1	Drainage Erosion and Sedimentation Control Plan	Submit compliance documentation in the Monthly Compliance Report.	Fluor	Monthly							
382	CEC			x	Soil & Water-1	Drainage Erosion and Sedimentation Control Plan	Submit results of monitoring and maintenance activities in Annual Compliance Report.	Fluor / Operations	Annually							
383	CEC		x	x	Soil & Water-1	Drainage Erosion and Sedimentation Control Plan	Update and maintain the DESCP for the life of the Project.	Fluor / Operations	Ongoing							
384	CEC			x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Submit documentation of mitigation to well owners.	Worley Parsons	< 60d after start of operation		29-Jun-13					

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385	CEC	x	x		Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Map groundwater levels within the CVGB within 10 miles of the site. Update trend plots and statistical analyses, as data is available.	Worley Parsons	Ongoing							
386	CEC		x		Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Collect water from wells, seeps and springs quarterly and at the end of the construction. Submit report on water samples, including all calculations and assumptions quarterly.	Worley Parsons	< 30d following quarter end		30-Apr-11					
387	CEC		x	x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Submit documentation of monetary compensation to well owners.	NextEra	< 30d of payment							
388	CEC		x	x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	If GW levels are lowered >5ft due to Project pumping, provide compensation or mitigation to well owners.	NextEra	Ongoing							
389	CEC		x	x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Monitor quarterly operational parameters (i.e., pumping rate) of the water supply wells.	Worley Parsons	quarterly							
390	CEC			x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Submit a 5 year monitoring report.	Operations	5ys after start of operation							
391	CEC	x			Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Send notices to all owners and conduct a well reconnaissance within 2 miles of the project.	Worley Parsons				completed				
392	CEC		x	x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Fourth quarterly report serves as annual report. Include trend analysis. Determine where pumping has caused drawdown >5ft below baseline.	Worley Parsons / Operations	Jan-31 Annually							
393	CEC		x	x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	If required, compensate landowners by March 31.	NextEra	Mar-31 Annually							
394	CEC		x		Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Notify owners within one month of CPM approving compensation analysis.	Worley Parsons	< 1m CPM approval of comp. analysis							
395	CEC		x	x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	If GW levels are lowered and pumps exposed, reimburse well owner to lower pumps. If pumps cannot be lowered, deepen the well(s) or construct new ones.	NextEra	Ongoing							
396	CEC		x	x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Collect water level measurements semi-annually after the first year.	Worley Parsons / Operations	semi-annually after first yr of monitoring		17-Jan-12					
397	CEC	x	x	x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Submit monitoring reports, complaints, studies and data.	Worley Parsons / Operations	< 10d of receipt							
398	CEC	x			Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Monitor wells, seeps and springs to establish preconstruction conditions.	Worley Parsons			17-Dec-10	completed				
399	CEC	x			Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Submit report of all pre-construction items, including calculations and assumptions.	Worley Parsons	> 30d pt construction		17-Dec-10					
400	CEC			x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	CPM to evaluate GW level monitoring program for necessity or modification every 5 years.	CPM	5yrs							
401	CEC	x			Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Submit a Groundwater Level Monitoring and Reporting Plan to the CPM for review and approval.	Worley Parsons	> 30d pt construction		17-Dec-10	3-Dec-10	Approved 12/21/10			
402	CEC		x		Soil & Water-3	Groundwater Well Impact Compensation	Notify all owners of the impacted wells within one month of the CPM approval of the compensation analysis for increase energy costs.	Worley Parsons	< 1m CPM approval of comp. analysis							
403	CEC		x		Soil & Water-3	Groundwater Well Impact Compensation	Submit all calculations, calculation agreement letters signed by the well owners, and contact information for landowners that do not agree with calculations.	Worley Parsons	Ongoing							
404	CEC		x		Soil & Water-3	Groundwater Well Impact Compensation	Submit all documentation and calculations r.e. compensation for energy costs associated with additional lift requirements.	Worley Parsons	< 30d after approval							
405	CEC		x	x	Soil & Water-3	Groundwater Well Impact Compensation	Provide compensation by March 31 of each year. (one time for lump sum payments).	NextEra	Mar-31 Annually							
406	CEC		x	x	Soil & Water-3	Groundwater Well Impact Compensation	Submit a report of compensation provided for increased energy costs.	NextEra	< 30d of payment							
407	CEC		x	x	Soil & Water-4	Project GW Wells, Pre-Well Installation	Submit to CPM two copies of all operational reports required by the County of Riverside and any changes to operations of well.	Operations	Ongoing							

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408	CEC	x	x		Soil & Water-4	Project GW Wells, Pre-Well Installation	Submit a copy of County concurrence that the proposed well construction activities comply with all county well requirements and the water well permit program	Fluor	> 30d pt construction of GW well		1-Apr-11					
409	CEC		x		Soil & Water-4	Project GW Wells, Pre-Well Installation	Submit documentation that drilling was conducted in compliance with 23 CCR, sections 2510 et seq.	Fluor	< 15d after GW well completion		16-Jul-11					
410	CEC		x		Soil & Water-4	Project GW Wells, Pre-Well Installation	Submit two copies of any proposed well permit changes.	Fluor	< 10d of submittal or receipt							
411	CEC		x		Soil & Water-4	Project GW Wells, Pre-Well Installation	Submit a Well Completion Report. Concurrently, submit a copy of well drilling logs, water quality analyses, and any inspection reports.	Fluor	< 60d after GW well construction		29-Aug-11					
412	CEC	x	x		Soil & Water-4	Project GW Wells, Pre-Well Installation	Submit to CPM a copy of the water well construction packet submitted to the County of Riverside.	Fluor	> 60d pt construction of GW well		2-Mar-11	31-Mar-11				
413	CEC		x		Soil & Water-5	Construction and Operation Water Use	Submit a semi-annual report of construction water use.	Fluor	semi-annually		30-Jun-11					
414	CEC		x	x	Soil & Water-5	Construction and Operation Water Use	Submit an annual report of water usage (g/month and total).	Fluor / Operations	Annually							
415	CEC		x		Soil & Water-5	Construction and Operation Water Use	GW use during construction must not exceed an annual average of 1,368 afy.	Fluor	Ongoing							
416	CEC			x	Soil & Water-5	Construction and Operation Water Use	GW use during operations must not exceed 202 afy	Operations	Ongoing							
417	CEC	x			Soil & Water-5	Construction and Operation Water Use	Install and maintain metering devices as part of the water supply and distribution system (gpd and total). Submit compliance documentation.	Fluor	> 30d pt construction		17-Dec-10	31-Jan-11				
418	CEC		x	x	Soil & Water-6	Waste Discharge Requirements	Submit compliance documentation for the WDRs in Appendices B, C, and D.	Worley Parsons	< 60d pt waste discharge		2-Mar-13					
419	CEC		x	x	Soil & Water-6	Waste Discharge Requirements	Submit annual waste discharge permit fee associated with this facility to the Water Boards	Worley Parsons								
419	CEC		x	x	Soil & Water-6	Waste Discharge Requirements	Submit (for rev and approve) any change to the design, construction, or operation of the evaporation basins, treatment units, or associated storm water system pt initiating changes.	Worley Parsons	pt initiating changes							
420	CEC		x	x	Soil & Water-6	Waste Discharge Requirements	Submit all monitoring reports required by the WDRs and details of any nonconformance.	Worley Parsons	Ongoing							
421	CEC			x	Soil & Water-7	Septic System and Leach Field Reqs	Comply with County and State reqs for sanitary waste disposal facilities.	Operations	Ongoing							
422	CEC		x		Soil & Water-7	Septic System and Leach Field Reqs	Submit engineering report on the septic system and leach field design, operation, maintenance, and loading impact to groundwater to County. Submit County's assessment of compliance.	Fluor	> 30d pt start of operations		31-Mar-13					
423	CEC	x			Soil & Water-8	Revised Project Drainage Report and Plans	Submit a Revised Project Drainage Report with the 30 percent Grading and Drainage Plans.	Fluor	> 60d pt site mobilization (plant)		2-Apr-11	Prelim 3/9/11 Draft 3/22/11				
424	CEC		x		Soil & Water-9	Detailed FLO-2D Analysis	Submit a detailed FLO-2D analysis with the 30 percent Grading and Drainage Plans and revised Project Drainage Report.	Fluor	> 60d pt site mobilization (plant)		2-Apr-11	Prelim 3/9/11 Draft 3/22/11				
425	CEC		x		Soil & Water-10	Collector and Conveyance Channel Compliance with RCFCWCD	Submit two copies of the 30 percent channel design drawings.	Fluor	> 60d pt site mobilization (plant)		2-Apr-11	Prelim 3/9/11				
426	CEC		x		Soil & Water-11	Channel Erosion Protection	Incorporate channel erosion protection methods (except "I") in the Grading and Drainage Plans and all submittals required in SOIL&WATER-8 through SOIL&WATER-10.	Fluor	> 60d pt site mobilization (plant)		2-Mar-11	Prelim 3/9/11				
427	CEC		x		Soil & Water-12	Non-Transient Non-Community Water System	Obtain a permit to operate a non-transient, non-community water system with the County Public Water	Fluor	> 60d pt operation		1-Mar-13					
428	CEC			x	Soil & Water-12	Non-Transient Non-Community Water System	Designate a CA Cert'd Water Treatment Plant Operator as well as the technical, managerial and financial requirements as prescribed by State law.	Operations								
429	CEC			x	Soil & Water-12	Non-Transient Non-Community Water System	Submit updates annually for all monitoring requirements and submittals to County related to the permit, and proof of annual	Operations	Annually							
430	CEC		x	x	Soil & Water-13	Channel Maintenance Program	Supervise the implementation of a Channel Maintenance Program.	Fluor / Operations	Ongoing							

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431	CEC		x		Soil & Water-13	Channel Maintenance Program	Ensure the Project Construction Manager receive training on the Channel Maintenance Program.	Fluor	Ongoing							
432	CEC		x		Soil & Water-13	Channel Maintenance Program	Submit two copies a Channel Maintenance Program.	Fluor	> 60d pt start of project related activity		2-Mar-11					
433	CEC			x	Soil & Water-13	Channel Maintenance Program	Submit a Channel Maintenance Program Annual Report, Channel Maintenance Work Plan, and Lessons Learned with the Annual Compliance Report.	Operations	Annually							
434	CEC	x			Soil & Water-13	Channel Maintenance Program	Submit written commitment to adopt and implement the Program.	Fluor	> 60d pt start of project related activity		2-Mar-11					
435	CEC	x			Soil & Water-14	Decommissioning and Closure Plan - Water and Wind Considerations	Submit Decommissioning Plans.	Worley Parsons	> 60d pt site mobilization		17-Nov-10	22-Oct-10	Approved 10/29/10			
436	CEC			x	Soil & Water-14	Decommissioning and Closure Plan - Water and Wind Considerations	Submit amended Decommissioning Plans should the decommissioning scenario change in the future.	Operations	Ongoing							
437	CEC		x	x	Soil & Water-15	Colorado River Flow Mitigation, Water Supply Plan	Implement Water Supply Plan mitigation measures.	Jeff Harvey	Ongoing							
438	CEC	x			Soil & Water-15	Colorado River Flow Mitigation, Water Supply Plan	Submit a Water Supply Plan.	Jeff Harvey	> 30d pt GW extraction for const.		17-Dec-10	12/3/2010 resub. 2/1/11	Pending - Comments received 1/4/11		will be submitted mid march	
439	CEC			x	Soil & Water-16	Groundwater Production Monitoring	File an annual "Notice of Extraction and Diversion of Water" with the SWRCB. Include a copy of the Notice in the Annual Compliance Report.	Fluor / Operations	Annually			7/2/2012 to CEC 6/29/2012 to SWQRB	No reply as of 7/2/12			
440	CEC	x			Soil & Water-17	Ground Subsidence Monitoring and Action Plan	Submit the Ground Subsidence Monitoring and Action Plan.	Worley Parsons	> 30d pt GW extraction for const.		17-Dec-10	8-Dec-10	Approved 12/23/10			
441	CEC		x		Soil & Water-17	Ground Subsidence Monitoring and Action Plan	Submit quarterly reports presenting data and comparison to thresholds beginning 3 months following GW production.	Worley Parsons	quarterly 3m after GW production							
442	CEC				Soil & Water-17	Ground Subsidence Monitoring and Action Plan	Construct one monument monitoring station per production well or a minimum of three stations.	Worley Parsons	1-Jul-11							
443	CEC			x	Soil & Water-17	Ground Subsidence Monitoring and Action Plan	Submit a 5-yr monitoring report summarizing findings to date.	Operations	5yrs after GW production							
445	CEC				Soil & Water-18	Water Policy Compliance Water Supply Plan	DELETED									
446	CEC	x			Soil & Water-19	Estimation of Impacts to PVMGB	Submit a report detailing results of the PVMGB underflow depletion modeling effort.	Worley Parsons	< 30d pt site mobilization		15-Mar-11	19-Mar-11				
447	CEC	x			Soil & Water-20	Groundwater Quality Monitoring and Reporting Plan	Submit a Groundwater Quality Monitoring and Reporting Plan > 6 weeks pt start of construction.	Worley Parsons	> 45d pt construction		2-Dec-10	27-Oct-10	Approved 12/21/10			
448	CEC		x	x	Soil & Water-20	Groundwater Quality Monitoring and Reporting Plan	Monitor GW quality and levels semi-annually and submit data semi-annually.	Worley Parsons	semi-annually		30-Jun-11					
449	CEC	x			Soil & Water-20	Groundwater Quality Monitoring and Reporting Plan	Submit a Well Monitoring Installation and Groundwater Quality Network Report.	Worley Parsons	> 30d pt construction		17-Dec-10	3-Dec-10	Approved 12/21/10			
450	CEC	x			Soil & Water-20	Groundwater Quality Monitoring and Reporting Plan	Commence groundwater quality monitoring prior to construction.	Worley Parsons	pt construction		8-Dec-10	completed				
451	CEC	x			Soil & Water-20	Groundwater Quality Monitoring and Reporting Plan	Submit GW quality and level monitoring data.	Worley Parsons	> 30d pt GW extraction for const.		17-Dec-10	3-Dec-10	NA			
452	CEC	x			TRANS-1	Traffic Control Plan	Submit copies of comment letters received from County and Caltrans and any associated changes to Traffic Plan.	Fluor	> 30d pt construction		17-Dec-10	16-Dec-10	NA		Tommy to follow up with CALTRANS and get their comments to CPM ASAP	
453	CEC	x			TRANS-1	Traffic Control Plan	Submit a Traffic Control Plan plus a copy of the transmittal letter to Caltran and County.	Fluor	> 60d pt gd		18-Nov-10	11/23/2010 resubmitted 1/6/11 1/14/11	Approved 1/17/11			
453	CEC	x			TRANS-1	Traffic Control Plan	Submit a Traffic Control Plan plus a copy of the transmittal letter to Caltran and County. Phase II	Fluor	> 60d pt gd		2-Mar-11				Is this needed for Ph II ?	
455	CEC	x	x		TRANS-2	Vehicle Weight Limits	Retain copies of transportation permits and supporting documentation on-site for inspection if requested.	Fluor								
456	CEC	x			TRANS-2	Vehicle Weight Limits	Obtain necessary overweight/oversized and other transportation permits required by Caltrans and the County. Report receipt of permits in Monthly Report.	Fluor	pt site mobilization		1-May-11					
457	CEC	x	x		TRANS-3	Public ROW Encroachment	Obtain necessary encroachment permits from Caltrans and all relevant jurisdictions. Report receipt of permits in Monthly Report.	Fluor	monthly		16-Jan-11					

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458	CEC		x	x	TRANS-3	Public ROW Encroachment	Retain copies of encroachment permits onsite for inspection for at least six months after the start of commercial operation.	Operations	> 6m after start of operation		1-Jul-13					
460	CEC			x	TRANS-4	Hazmat Transport Permits/Licenses	Retain copies of hazardous material transport permits onsite for inspection.	Operations	> 6m after start of operation		1-Jul-13					
462	CEC	x	x		TRANS-4	Hazmat Transport Permits/Licenses	Obtain necessary hazardous material transport permits from Caltrans and all relevant jurisdictions. Report receipt in Monthly Report.	Fluor	pt gd		1-May-11					
463	CEC	x			TRANS-5	Restoration of Public Roads, Easements, and ROWs	Submit photographs or video of all affected public roads, easements and ROWs.	Fluor	> 30d pt site mobilization		17-Dec-10	21-Dec-10	NA			
464	CEC	x			TRANS-5	Restoration of Public Roads, Easements, and ROWs	Notify the County and Caltrans of schedule for construction.	Fluor	pt site mobilization		16-Jan-11	Completed 1/24/11	NA			
465	CEC		x	x	TRANS-5	Restoration of Public Roads, Easements, and ROWs	Restore all public roads, easements, and rights-of-way damaged due to project-related construction activities.	Fluor	Ongoing							
466	CEC			x	TRANS-5	Restoration of Public Roads, Easements, and ROWs	Submit letter of ROW repair completion, including concurrence from Caltrans or the County.	Fluor								
467	CEC			x	TRANS-5	Restoration of Public Roads, Easements, and ROWs	Meet with CPM, Caltrans and the County to identify sections of public ROW needing repair < 60d after construction. Establish a schedule for repairs.	Fluor	< 60d after construction completion		29-Aug-14					
468	CEC		x		TLSN-1	Compliance with Cal Pub Utility Commissions (Tline)	Construct Tline in accordance with CA PUC's req's, California Code of Regulations, and Southern California Edison's EMF reduction guidelines.	Fluor	Ongoing							
469	CEC		x		TLSN-1	Compliance with Cal Pub Utility Commissions (Tline)	Submit letter signed by CA registered electrical engineer affirming the Tlines will be constructed in accordance with the stated requirements.	Fluor	> 30d pt construction of Tline		24-Jun-12					
471	CEC			x	TLSN-2	Pre- and Post- Energization Measurements	Measure strengths of EMF after energization according to (ANSI/IEEE) standard procedures < 6months of start of operations.	Operations	< 60d of test							
471	CEC		x	x	TLSN-2	Pre- and Post- Energization Measurements	Measure strengths of EMF before energization according to (ANSI/IEEE) standard procedures. Submit measurement report.	Operations	< 60d of test							
472	CEC			x	TLSN-3	Combustible Material Inspections	Submit summary of inspection results and fire prevention activities in the Annual Compliance Report for the first 5 years of operation.	Operations	5yrs Annually							
473	CEC			x	TLSN-3	Combustible Material Inspections	Maintain Tline ROW free of combustible material.	Operations	Ongoing							
474	CEC		x		TLSN-4	Metallic Object Grounding in ROW	Submit compliance documentation.	Fluor	> 30d pt energization		2-Dec-12					
475	CEC		x		TLSN-4	Metallic Object Grounding in ROW	Ensure all permanent metallic objects within the Tline ROW are grounded.	Fluor	Ongoing							
476	CEC	x	x		VIS-1	Surface Treatment of Non-Mirror Project Structures and Buildings	Submit a Surface Treatment Plan.	Fluor	> 30d pt ordering		30-Jun-11				ordering schedule?	
477	CEC		x	x	VIS-1	Surface Treatment of Non-Mirror Project Structures and Buildings	Notify CPM when surface treatment is complete and ready for inspection. Submit photographs of treated structures upon completion.	Fluor	upon completion of installation							
478	CEC			x	VIS-1	Surface Treatment of Non-Mirror Project Structures and Buildings	Include a status report regarding surface maintenance in the Annual Compliance Report.	Operations	Annually							
479	CEC		x		VIS-2	Temporary and Permanent Exterior Lighting	Submit a Lighting Mitigation Plan.	Fluor	> 60d pt ordering permanent lighting		30-Jun-11				purchase schedule?	
480	CEC		x	x	VIS-2	Temporary and Permanent Exterior Lighting	Notify CPM of lighting complaint resolution/implementation.	Fluor	< 48hr of resolution							
481	CEC		x		VIS-2	Temporary and Permanent Exterior Lighting	Notify CPM that permanent lighting is installed and ready for inspection.	Fluor	pt operation		30-Apr-13					
482	CEC		x		VIS-2	Temporary and Permanent Exterior Lighting	If after inspection lighting modifications are needed, notify CPM that modifications are complete.	Fluor	< 30d after notification							
483	CEC		x	x	VIS-2	Temporary and Permanent Exterior Lighting	Submit any received lighting complaints. Include proposal to resolve and schedule.	Fluor	< 48hr of complaint receipt							
484	CEC		x	x	VIS-2	Temporary and Permanent Exterior Lighting	Submit a copy of complaint resolution report.	Fluor	< 30d of resolution							

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485	CEC		x		VIS-2	Temporary and Permanent Exterior Lighting	Consult with CPM regarding documentation required in the Lighting Mitigation Plan.	Fluor	> 90d pt ordering permanent lighting		30-Jun-11				ordering schedule?	
486	CEC		x		VIS-2	Temporary and Permanent Exterior Lighting	Consult with CPM regarding documentation required in the Lighting Mitigation Plan.	Fluor	> 30d pt ordering temp lighting		1-Apr-11					
487	CEC				VIS-3	Tline setback from I-10	DELETED									
488	CEC		x		VIS-4	Reflective Glare Mitigation	Construct perimeter chain link using dark or earth-toned opaque privacy slats of a minimum 8 feet in height.	Fluor	Ongoing		4-Jun-12	Oct-11				
489	CEC		x	x	VIS-4	Reflective Glare Mitigation	Submit copy of complaint glare resolution form.	Fluor / Operations	< 30d of receipt							
490	CEC		x	x	VIS-4	Reflective Glare Mitigation	Submit any glare complaints, including resolution and schedule.	Fluor / Operations	< 48hr of complaint receipt							
491	CEC		x	x	VIS-4	Reflective Glare Mitigation	Notify CPM resolution/implementation for glare complaints.	Fluor / Operations	< 48hr of resolution							
492	CEC		x		VIS-4	Reflective Glare Mitigation	Submit a fencing plan describing mitigation for off-site glare.	Fluor	> 90d pt fence construction		2-Oct-11				assume Jan 1, 2012 for start of perm fence installation	
493	CEC		x		VIS-5	Visual Mitigation and Re-vegetation of Staging Area	Submit a revegetation plan for the staging area.	Fluor	> 60d pt operation		2-Mar-13					
494	CEC	x			VIS-5	Visual Mitigation and Re-vegetation of Staging Area	Meet with CPM to discuss how staging area site plan will minimize visibility from rest area.	Fluor	> 90d pt construction		18-Oct-10	12/28/2010 1/14/11	Approved 1.17.11			
495	CEC	x			VIS-6	Reduction of Form, Line and Texture Contrast	Meet with the CPM to discuss incorporation of visual contrast reduction into the design plans.	Fluor	> 90d pt construction		18-Oct-10	12-Oct-10	Approved 10/25/10			
496	CEC		x		WASTE-1	Contaminated Soil Assessment and Remediation	If contaminated soil is found during construction, consult with Department of Toxic Substances Control, assess and remediate contamination in consultation with DTSC and with approval from CPM.	Fluor	Ongoing							
497	CEC	x			WASTE-2	PE or PG - Staff Assignment	Submit resume for a PE or PG.	NextEra	> 30d pt site mobilization		17-Dec-10	4-Nov-10	Approved 11/30/10			
498	CEC		x		WASTE-3	Contaminated Soil Assessment and Remediation - PE or PG responsibilities	If potential contamination results in stop-work call by PE or PG, notify CPM within 24hrs.	Fluor	< 24hr after stop work							
499	CEC		x		WASTE-3	Contaminated Soil Assessment and Remediation - PE or PG responsibilities	If potential contamination is identified, the PE or PG must inspect and submit report to agencies any need for sampling/remediation.	Fluor	< 5d of receipt							
500	CEC	x			WASTE-4	Construction Waste Management Plan	Submit a Construction Waste Management Plan.	Fluor	> 30d pt construction		17-Dec-10	2-Dec-10	Approved 12/16/10			
501	CEC	x			WASTE-5	UXO Identification, Training and Reporting Plan	Submit a UXO Identification, Training and Reporting Plan.	Tetra Tech	> 30d pt construction		17-Dec-10	2-Dec-10	Approved 12/21/10			
503	CEC		x	x	WASTE-6	Haz Waste Generator Identification Number	Submit documentation of any new or revised hazardous waste generation notifications in the following Monthly Compliance Report.	Fluor	Monthly		Monthly					
505	CEC	x	x	x	WASTE-6	Haz Waste Generator Identification Number	Obtain a hazardous waste generator identification number from USEPA prior to generating any hazardous waste. Retain a copy onsite.	Mosley/Jenny	pt generating haz waste		30-Apr-13				KD indicated this is only needed for operations. Not construction.	
506	CEC		x	x	WASTE-7	Waste Management-related Enforcement Action Notification	Notify CPM of an impending waste-management enforcement action and owners response/resolution.	Fluor	< 10d of notification from authorities							
507	CEC				WASTE-8	Reuse/Recycling Plan	DELETED									
508	CEC			x	WASTE-9	Operation Waste Management Plan	Submit actual volume of waste generated and management methods used in each Annual Compliance Report.	Mosley	Annually							
509	CEC		x		WASTE-9	Operation Waste Management Plan	Submit the Operation Waste Management Plan.	Fluor	> 30d pt operation		31-Mar-13					
510	CEC		x		WASTE-9	Operation Waste Management Plan	Submit any required revisions of Ops Waste Plan.	Fluor	< 20d of notification from CPM							
511	CEC			x	WASTE-9	Operation Waste Management Plan	Update Operations Waste Management Plan as necessary.	Operations	Ongoing							
512	CEC			x	WASTE-10	HTF Contaminated Soil Hazard assessment	Document all HTF releases. If > 42 gallons, notify agencies and provide analysis of results in accordance with WASTE-10.	Operations	< 28d of release date							
512	CEC		x	x	WASTE-11	HAZMAT Waste Release/Spill Documentation and Corrective Actions	Submit release/spill documentation. If the release was reported, include agency communication.	Fluor / Operations	< 30d of release date							

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514	CEC		x	x	WASTE-11	HAZMAT Waste Release/Spill Documentation and Corrective Actions	Document, clean up, and dispose of hazmat released > EPA's reportable quantities in accordance with federal, state, and local requirements.	Fluor / Operations	Ongoing							
515	CEC	x			Worker Safety-1	Project Construction Safety and Health Program	Submit the Construction Emergency Action Plan and the Fire Prevention Plan to Riverside County Fire Department for review and comment prior to CPM submittal.	Fluor/Tomey Pouncy	pt CPM submittal		3-Dec-10	completed	Approved 1/14/11			
516	CEC	x			Worker Safety-1	Project Construction Safety and Health Program	Submit the Project Construction Safety and Health Program, to include Personal Protective Equipment Program; Exposure Monitoring Program; Injury and Illness Prevention Program; Heat Stress Protection Plan; Emergency Action Plan; and a Construction Fire Prevention Plan.	Fluor	> 30d pt construction		17-Dec-10	12/16/2010 1/13/11	Approved 1/14/11			
517	CEC		x	x	Worker Safety-2	Project Operations Safety and Health Program	Submit a Project Operations and Maintenance Safety and Health Program to include: Injury and Illness Prevention Plan; Operation Heat Stress Protection Plan; BMPs for the storage and application of herbicides; Emergency Action Plan; Hazardous Materials Management Program; Fire Prevention Plan; and Personal Protective Equipment Program.	Fluor/Mosley	> 30d pt first fire or commissioning		Aug. 12, 2012				Submit draft to the agency	
518	CEC		x		Worker Safety-2	Project Operations Safety and Health Program	Submit The Operations Fire Prevention Plan and the Emergency Action Plan to Riverside County Fire Department for review and comment.	Mosley	pt CPM submittal		Aug. 12, 2012					
519	CEC	x			Worker Safety-3	Construction Safety Supervisor - Staff Assignment	Submit name and contact information for the Construction Safety Supervisor (CSS).	Fluor	> 30d pt site mobilization		17-Dec-10	11/16/2010 1/11/10 1/18/11 4/4/11	Complete 4/2011			
520	CEC	x	x		Worker Safety-4	Construction Safety Supervisor - Staff Assignment	CSS to include compliance documentation in Monthly Compliance Report.	Fluor	Monthly							
521	CEC	x			Worker Safety-4	CBO Payments	Submit verification of agreement with CBO for a Safety Monitor to CPM.	NextEra	> 60d pt construction		17-Nov-10	3-Nov-10	NA			
522	CEC	x			Worker Safety-4	CBO Payments	Post payment to CBO for a Safety Monitor.	NextEra	TBD w CBO		1-Jan-11	14-Jan-11				
523	CEC		x	x	Worker Safety-5	Automatic External Defibrillator onsite	Install a portable automatic external defibrillator (AED) on site during construction and operations.	Fluor / Operations	Ongoing		1-May-11					
524	CEC	x	x	x	Worker Safety-5	Automatic External Defibrillator onsite	Conduct AED training program in accordance with CPM-approved program.	Fluor / Operations	Ongoing		1-May-11					
525	CEC	x			Worker Safety-5	Automatic External Defibrillator onsite	Submit verification that AED exists onsite and the training and maintenance program.	Fluor	> 60d pt site mobilization		17-Nov-10	3-Nov-10	Approved 1.14.11			
526	CEC		x		Worker Safety-6	Emergency Access Gate, Spur Road	Submit to the RCFD and CPM preliminary plans of location and details for a second access gate to the site.	Fluor	> 60d pt site mobilization (plant)		2-Mar-11					
527	CEC		x		Worker Safety-6	Emergency Access Gate, Spur Road	Submit revised and final plans for second access gate. Include letter or statement regarding comments from RCFD.	Fluor	> 30d pt site mobilization (plant)		1-Apr-11					
528	CEC		x		Worker Safety-6	Emergency Access Gate, Spur Road	Submit verification that all-terrain fire engines have been delivered and acceptable to RCFD. (see text for alternative measures requirements)	Fluor/McCord	> 180d pt receipt of HTF		16-Jul-12					
529	CEC	x			Worker Safety-7	Riv Co Fire Department, Capital and Operating Costs Funding	Submit either: agreement with the RCFD re funding for capital costs for fire protection/response OR documentation that a letter of credit has been provided to the RCFD and will continue annually.	NextEra	> 30d pt site mobilization		17-Dec-10	12/21/2010 1/12/11	NA			
530	CEC			x	Worker Safety-7	Riv Co Fire Department, Capital and Operating Costs Funding	(if opted), provide letter of credit to RCFD annually.	NextEra	Annually							
531	CEC	x			Worker Safety-8	Dust Control Plan	Submit Dust Control Plan.	Fluor w/ Tt support	> 60d pt site mobilization		17-Nov-10	1-Nov-10	Approved 1/13/11			
532	CEC			x	Worker Safety-9	Riv Co Fire Dept Joint Training Exercises	Include joint exercise training documentation with the RCFD and other solar plants in the annual compliance report.	Operations	pt start of commissioning Annually							
533	CEC		x		Worker Safety-9	Riv Co Fire Dept Joint Training Exercises	Submit verification that a joint training program with the RCFD is established.	Operations	> 10d pt commissioning		20-Apr-13					

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534	CEC			x	Worker Safety-9	Riv Co Fire Dept Joint Training Exercises	Host the annual training on a rotating yearly basis with the other solar power plants.	Operations	Rotate annually							
535	CEC		x	x	GEN-1	2007 Ca Buidling Standards Code Compliance	Provide the CPM a copy of the certificate of occupancy (CO).	BV/CPM	< 30d of receipt							
536	CEC		x		GEN-1	2007 Ca Buidling Standards Code Compliance	Once the CO issued, notify CPM pt any addition, alteration, moving, demolition, repair, or maintenance on any portion(s) of the completed facility subject to CBO approval.	BV/CPM	> 30d pt activity							
537	CEC		x		GEN-1	2007 Ca Buidling Standards Code Compliance	Submit a statement that all facility designs, construction, installation, and inspection requirements of the LORS and CEC's decision have been met.	Fluor	< 30d after receipt of CO							
538	CEC	x	x		GEN-2	Facility Design Submittals to CBO and CPM	Include updated schedule of facility design submittals, and master drawing and master specifications in the Monthly Compliance Report.	Fluor	Monthly		4-Dec-10	17-Nov-10	NA			
539	CEC	x			GEN-2	Facility Design Submittals to CBO and CPM	Submit a schedule of facility design submittals, and master drawing and master specifications lists before submitting the initial engineering designs for CBO review.	Fluor	< 60d pt grading		17-Nov-10	17-Nov-10	Approved 12.20.10			
					Gen 2		Revise list	Fluor								
540	CEC	x	x	x	GEN-3	CBO Payments	Submit payments to the CBO in accordance with the agreement between the project owner and the CBO.	NextEra	ongoing							
541	CEC	x	x	x	GEN-3	CBO Payments	Submit a copy of the CBO's receipt of payment to the CPM in the next monthly compliance report indicating that applicable fees have been paid.	NextEra	< 30d Monthly		5-Jan-11					
542	CEC	x			GEN-4	Resident Engineer - Staff Assignment	Assign a California- registered architect, or a structural or civil engineer, as the resident engineer (RE) in charge of the project.	Fluor	> 30d pt grading		17-Dec-10	14-Jan-11				
543	CEC	x			GEN-4	Resident Engineer - Staff Assignment	Notify the CPM of the CBO's approvals of the RE and other delegated engineer(s).	Fluor	< 5d of approval		8-Dec-10	30-Dec-10	Approved 1/19/11			
544	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment	Submit resume of the soils (geotechnical) engineer.	Fluor	> 30d pt grading		17-Dec-10	1-Dec-10	Approved			
545	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment	Notify CPM of CBO approval of soils (geotechnical) engineer.	Fluor	< 5d of approval		8-Dec-10	30-Dec-10	NA			
546	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment	Submit resume of the civil engineer.	Fluor	> 30d pt grading		17-Dec-10	1-Dec-10	Approved			
547	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment	Submit resume of the mechanical engineer.	Fluor	> 30d pt construction		17-Dec-10	1-Dec-10	Approved			
548	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment	Submit resume of the engineering geologist.	Fluor	> 30d pt grading		17-Dec-10	1-Dec-10	Approved			
549	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment	Notify CPM of CBO approval of civil eng assignment.	Fluor	< 5d of approval		8-Dec-10	21-Dec-10	NA			
550	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment	Notify CPM of CBO approval of mech eng assignment.	Fluor	< 5d of approval		8-Dec-10	21-Dec-10	NA			
551	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment	Notify CPM of CBO approval of eng. geologist assignment.	Fluor	< 5d of approval		8-Dec-10	21-Dec-10	NA			
552	CEC		x		GEN-6	Special Inspector(s) - Staff Assignment	Include a copy of the CBO's approval of the qualifications of all special inspectors in the next monthly compliance report.	Fluor	Monthly							
553	CEC		x		GEN-6	Special Inspector(s) - Staff Assignment	Notify the CPM of the CBO's approval of replacement inspector.	Fluor	< 5d of approval							
554	CEC		x		GEN-6	Special Inspector(s) - Staff Assignment	If the special inspector is reassigned or replaced, submit resume of replacement to CBO.	Fluor	< 5d of replacement							
555	CEC		x		GEN-6	Special Inspector(s) - Staff Assignment	Special inspectors submit inspection reports to the CBO and RE.	Fluor	Ongoing							
556	CEC		x		GEN-6	Special Inspector(s) - Staff Assignment	The special inspector shall submit a final signed report to the RE, CBO, and CPM, stating compliance status.	Fluor	after construction completion		30-Jun-14					
557	CEC		x		GEN-6	Special Inspector(s) - Staff Assignment	Submit resumes of special inspector(s).	Fluor	> 15d pt activity			25-Feb-11	approved by CBO 1/25/11			
558	CEC		x		GEN-7	Facility Design Discrepancy Documentation	Submit a copy of the CBO's approval of corrective action taken to resolve a discrepancy in the next monthly compliance report.	Fluor	Monthly		Monthly					
559	CEC		x		GEN-7	Facility Design Discrepancy Documentation	If corrective action is not approved, advise CPM of the reason and the revised corrective action to obtain CBO's approval.	Fluor	< 5d after CBO disapproval							

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560	CEC		x		GEN-7	Facility Design Discrepancy Documentation	Document and recommend corrective actions for any discrepancy in design and/or construction engineering work subject to CBO approval. Submit documentation to CBO for review and approval.	Fluor	Ongoing							
561	CEC		x		GEN-8	As-builts, CBO Notification of Completion and Compliance	Retain one set of approved engineering plans, at the project site. Submit to the CPM a statement with location of stored documents.	Fluor								
562	CEC		x		GEN-8	As-builts, CBO Notification of Completion and Compliance	Submit to CBO statement of work completed, in conformance with plans and ready for inspection.	Fluor	< 15d after construction completion		15-Jul-14					
563	CEC		x		GEN-8	As-builts, CBO Notification of Completion and Compliance	Submit a copy of statement of work completed to the CPM in the next monthly compliance report.	Fluor	Monthly							
564	CEC			x	GEN-8	As-builts, CBO Notification of Completion and Compliance	Provide CBO with a full set of electronic plans.	Fluor	< 90d after construction completion		28-Sep-14					
565	CEC		x		GEN-8	As-builts, CBO Notification of Completion and Compliance	Notify the CPM after obtaining the CBO's final approval of work completed.	Fluor	< 15d after construction completion		15-Jul-14					
566	CEC	x	x		CIVIL-1	CBO Submittals- Drainage and Grading, Statement of Submittal	Submit to the CBO: (Ph I) 1. Design of the proposed drainage structures and the grading plan; 2. An erosion and sedimentation control plan; 3. Related calculations and specifications; 4. Soils, geotechnical, or foundation investigations reports.	Fluor	> 15d pt grading		22-Dec-10	23-Dec-10	Approved 1/21/11			
566	CEC	x	x		CIVIL-1	CBO Submittals- Drainage and Grading, Statement of Submittal	Submit to the CBO: (PH II) 1. Design of the proposed drainage structures and the grading plan; 2. An erosion and sedimentation control plan; 3. Related calculations and specifications; 4. Soils, geotechnical, or foundation investigations reports.	Fluor	> 15d pt grading		16-Apr-11					
567	CEC	x			CIVIL-1	CBO Submittals- Drainage and Grading, Statement of Submittal	Include CBO approval in following monthly compliance report.	Fluor	< 30d after approval							
568	CEC		x		CIVIL-2	RE Stop Work Authority and Notification	Submit modified plans to the CBO for review and approval based on these new conditions.	Fluor	Ongoing							
569	CEC		x		CIVIL-2	RE Stop Work Authority and Notification	Submit CBO approval of modified plans to CPM.	Fluor	< 24hr of approval							
570	CEC		x		CIVIL-2	RE Stop Work Authority and Notification	RE to stop earthwork if he/she identifies unforeseen adverse soil or geologic conditions. Notify CPM within 24 hrs.	Fluor	< 24hr of discovery							
571	CEC		x		CIVIL-3	CBO Inspection of 2007 CBC Compliance	Include a list of NCRs in the following Monthly Compliance Report.	Fluor	Monthly		Monthly					
572	CEC		x		CIVIL-3	CBO Inspection of 2007 CBC Compliance	Perform inspections in accordance with the 2007 CBC. Report any discrepancies immediately.	Fluor	Ongoing							
573	CEC		x		CIVIL-3	CBO Inspection of 2007 CBC Compliance	RE to submit a non conformance report (NCR) < 5d of discovery. Submit details of corrective action < 5d of resolution.	Fluor	< 5d of discovery							
574	CEC		x		CIVIL-4	Final Grading Plans - CBO submittal	Submit a copy of the CBO's approval of grading plans to the CPM in the next monthly compliance report.	Fluor	< 30d after approval							
575	CEC		x		CIVIL-4	Final Grading Plans - CBO submittal	After completion of finished grading and erosion and sedimentation	Fluor	< 30d completion of drainage work							
576	CEC		x		STRUC-1	CBO Submittals - Major Structure or Facility design Component, Statement of Submittal	control and drainage work, the project owner shall obtain the CBO's approval of the final grading plans (including final changes) for the	Fluor	< 30d after approval							
577	CEC		x		STRUC-1	CBO Submittals - Major Structure or Facility design Component, Statement of Submittal	approval of the final grading plans (including final changes) for the	Fluor	> 60d pt start of construction listed GEN-2.		2-Mar-11					
578	CEC		x		STRUC-2	CBO Submittal - Concrete, Welds, Other Structural Activities		Cody	< 5d of NCR							
579	CEC		x		STRUC-2	CBO Submittal - Concrete, Welds, Other Structural Activities		Cody								
580	CEC		x		STRUC-2	CBO Submittal - Concrete, Welds, Other Structural Activities		Cody	< 15d CBO response							

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581	CEC		x		STRUC-2	CBO Submittal - Concrete, Welds, Other Structural Activities	Submit a copy of the NCR corrective action to the CBO and the CPM.	Fluor	< 5d of resolution							
582	CEC		x		STRUC-3	CBO Submittal - Design Changes, Revised Drawings, Specs, Calcs	Notify the CBO of any intended filing of design changes, and submit revisions on a schedule suitable to the CBO.	Cody	on a sched suitable to CBO							
584	CEC	x	x		STRUC-3	CBO Submittal - Design Changes, Revised Drawings, Specs, Calcs	Notify the CPM, via the monthly compliance report, when the CBO has approved the revised plans.	Cody	< 30d of approval							
585	CEC		x		STRUC-4	2007 CBC Compliance for Toxic or HAZMAT	Submit to the CBO final design plans for tanks or vessels.	Fluor	> 30d pt installation							
586	CEC	x	x		STRUC-4	2007 CBC Compliance for Toxic or HAZMAT	Include copies of the CBO approvals of plan checks to the CPM in the following monthly compliance report.	Fluor	Monthly							
587	CEC		x		STRUC-4	2007 CBC Compliance for Toxic or HAZMAT	Include a copy of the CBO's inspection approvals to the CPM in the monthly compliance report following completion of any inspection.	Fluor	< 30d following inspection							
588	CEC	x			STRUC-4	2007 CBC Compliance for Toxic or HAZMAT	Design tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts specified in the 2007 CBC to comply with the requirements of that chapter.	Fluor								
589	CEC		x		MECH-1	CBO Submittal -Plan Piping and Plumbing System, Final design specs and calcs	Request CBO inspection of any such major piping or plumbing system.	Fluor								
590	CEC		x		MECH-1	CBO Submittal -Plan Piping and Plumbing System, Final design specs and calcs	The project owner shall transmit to the CPM, in the monthly compliance report following completion of any inspection, a copy of the transmittal letter conveying the CBO's inspection approvals.	Fluor	Monthly		Monthly					
591	CEC		x		MECH-1	CBO Submittal -Plan Piping and Plumbing System, Final design specs and calcs	Include a copy of transmittal letter to CBO in following monthly compliance report.	Fluor	< 30d of submittal							
592	CEC		x		MECH-1	CBO Submittal -Plan Piping and Plumbing System, Final design specs and calcs	Submit to the CBO the final plans and a statement from the mechanical engineer certifying compliance with applicable LORS for major piping or plumbing.	Fluor	> 30d pt installation							
593	CEC		x		MECH-2	CBO and Cal-OSHA Submittal - Pressure Vessel	Submit code certification papers and other documents for all pressure vessels installed in the plant required by applicable LORS.	Fluor/CBO	pt operation		30-Apr-13					
594	CEC		x		MECH-2	CBO and Cal-OSHA Submittal - Pressure Vessel	Submit vendor certification for prefabricated vessels and tanks and Engineers verification that plans conform with ASME Code. Submit copy of transmittal letter to CPM.	Fluor	> 30d pt installation							
595	CEC		x		MECH-2	CBO and Cal-OSHA Submittal - Pressure Vessel	Include CBOs inspection approval in the monthly compliance report following any inspection.	Fluor								
596	CEC		x		MECH-2	CBO and Cal-OSHA Submittal - Pressure Vessel	Request CBO and/or Cal-OSHA inspection of pressure vessel upon completion of installation.	Fluor	upon installation							
597	CEC		x		MECH-2	CBO and Cal-OSHA Submittal - Pressure Vessel	Ensure that all boilers and pressure vessels are designed, fabricated, and installed in accordance with ASME Code.	Fluor	Ongoing							
598	CEC		x		MECH-3	CBO Submittal - HVAC Specs, etc.	Upon completion of any increment of construction, request CBO's inspection and approval of that construction.	Fluor	Upon completion of increment of construction							
599	CEC		x		MECH-3	CBO Submittal - HVAC Specs, etc.	Submit to the CBO the required HVAC and refrigeration plans and a statement from the mechanical engineer certifying compliance with applicable codes. Submit copy of the transmittal letter to the CPM.	Fluor	> 30d pt const of HVAC or refrig system							
600	CEC		x		ELEC-1	CBO Submittal - Electrical Equipment and Systems	Submit to the CBO the final plant design plans and a signed/stamped stamped statement from the responsible electrical engineer attesting compliance with the applicable LORS.	Fluor	> 30d pt start of each increment of construction		1-Apr-11					
601	CEC		x		ELEC-1	CBO Submittal - Electrical Equipment and Systems	Request that the CBO inspect the installation to ensure compliance with the requirements of applicable LORS.	Fluor								

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602	CEC		x		ELEC-1	CBO Submittal - Electrical Equipment and Systems	Include in the monthly compliance report: 1. Receipt or delay of major electrical equipment; 2. Testing or energization of major electrical equipment; and 3. A signed statement by the registered electrical engineer certifying that the proposed final design plans and specifications conform to requirements set forth in the Energy Commission decision.	Fluor	Monthly		Monthly					
603	CEC		x		ELEC-1	CBO Submittal - Electrical Equipment and Systems	At least 30d pt the start of each increment of electrical construction, submit to the CBO for design review and approval the listed documents.	Fluor	> 30d pt start of each increment of construction		1-Apr-11					
604	CEC		x	x	ELEC-1	CBO Submittal - Electrical Equipment and Systems	Retain approved final plant design plans and calculations onsite for the life of the project.	Fluor / Operations								
605	CEC	x			PAL-1	Paleontological Resource Specialist - Staff Designation	Submit resume of Paleo Resource Monitors.	Tetra Tech	> 20d pt gd		11-Apr-11				NA to phase I. May need for Phase II	
606	CEC	x			PAL-1	Paleontological Resource Specialist - Staff Designation	Submit resume of the Paleo Resource Specialist (PRS).	Tetra Tech	> 60d pt gd		17-Nov-10	2-Sep-10	Approved 10/25/10			
607	CEC	x			PAL-2	PRS Submittal - Stie Drawings Showing Disturbance Areas	Submit maps and drawings showing the footprint of the power plants, construction lay down areas, and all related facilities.	Fluor	> 30d pt gd		17-Dec-10	4-Jan-11	NA			
608	CEC	x	x		PAL-2	PRS Submittal - Stie Drawings Showing Disturbance Areas	Submit letter of any construction phase schedule changes.	Fluor	< 5d of identification							
609	CEC	x	x		PAL-2	PRS Submittal - Stie Drawings Showing Disturbance Areas	If construction proceeds in phases, submit maps and drawings.	Tetra Tech	pt start of each increment of construction		1-May-11	4-Jan-11				
610	CEC		x		PAL-2	PRS Submittal - Stie Drawings Showing Disturbance Areas	PRS or PRM consult weekly with the superintendent or construction field manager to confirm upcoming activity locations.	Tetra Tech	until gd is completed		17-Jan-11					
611	CEC	x	x		PAL-2	PRS Submittal - Stie Drawings Showing Disturbance Areas	Submit schedule of construction phases before work commences on affected power plants.	Fluor	pt start of const on affected power plants		1-May-11	4-Jan-11	NA			
612	CEC	x	x		PAL-2	PRS Submittal - Stie Drawings Showing Disturbance Areas	If the footprint of the project or its linear facilities change, provide maps and drawings reflecting those changes.	Fluor	> 15d pt gd		1-Jan-11	1/4/2011 3/8/11	Approved 3/17/11			
613	CEC		x		PAL-3	Paleontological Resources Monitoring and Mitigation Plan	Copies of the PRMMP shall reside with the PRS, each monitor, the project owner's on-site manager and the CPM.	sub to Tt	Ongoing							
614	CEC	x			PAL-3	Paleontological Resources Monitoring and Mitigation Plan	If PRS determines that paleontological materials could be impacted, PRS to submit a paleontological resources monitoring and mitigation plan (PRMMP).	Tetra Tech	> 30d pt gd		17-Dec-10	3-Dec-10	Approved 12/21/10			
615	CEC		x		PAL-4	Paleontological WEAP	If PRS determines that paleontological materials could be impacted, conduct weekly paleo training for all personnel supervising, directing or conducting ground-disturbing activity.	sub to Tt/FI	weekly during gd		17-Jan-11					
616	CEC		x		PAL-4	Paleontological WEAP	Submit Paleo training documentation in Monthly Compliance Report.	Tetra Tech	Monthly		Monthly					
617	CEC		x		PAL-4	Paleontological WEAP	Submit resume of any alternative paleo trainer (if applicable).	Tetra Tech	Ongoing							
618	CEC	x			PAL-4	Paleontological WEAP	Include paleo resources in the WEAP.	Tetra Tech	> 30d pt gd		17-Dec-10	14-Dec-10	Approved 1/4/2011			
619	CEC	x			PAL-4	Paleontological WEAP	Submit script and final video of paleo training.	Tetra Tech	> 30d pt gd		17-Dec-10	14-Dec-10	Approved 1/4/2011			
620	CEC		x		PAL-5	PRS Monitoring and Stop Work Authority	Include summary of paleo monitoring activities and finds in the Monthly Compliance Report.	Tetra Tech	Monthly		Monthly					
621	CEC		x		PAL-5	PRS Monitoring and Stop Work Authority	Notify CPM of any significant paleo resource encountered.	Tetra Tech	< 24hrs upon discovery							
622	CEC		x		PAL-5	PRS Monitoring and Stop Work Authority	Notify CPM of any noncompliance related to paleo resources.	Tetra Tech	< 24hrs upon discovery							
623	CEC		x		PAL-5	PRS Monitoring and Stop Work Authority	Implement PRMMP, maintain daily logs. Submit for approval any change in paleo monitoring plan.	Tetra Tech	Ongoing							

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624	CEC			x	PAL-6	Paleontological Resource Curation	Retain copies of signed contracts with the designated PRS and other specialists; also the Paleontological Resource Report.	Tetra Tech	3yr after construction completion		1-Jul-14					
625	CEC		x		PAL-6	Paleontological Resource Curation	Submit copy of letter to curating institution - if fossils found.	Tetra Tech	Ongoing							
625	CEC		x		PAL-6	Paleontological Resource Curation	Ensure proper implementation of curation procedures according to the PRMMP. Pay fees for curation of paleo materials. Submit letter of materials transmittal to the curation facility to CPM.	Tetra Tech	Ongoing							
626	CEC		x		PAL-7	Paleontological Resources Report	Submit a Paleontological Resources Report (PRR).	Tetra Tech	< 90d after gd		28-Sep-14					
627	CEC	x			TSE-1	CBO and CPM submittal - Schedule of design submittals (Master Drawing List, Master Spec List, Major Equip and Structure List)	Submit the schedule, a Master Drawing List, and a Master Specifications List.	Fluor	pt construction		24-Jul-12					
628	CEC	x			TSE-1	CBO and CPM submittal - Schedule of design submittals (Master Drawing List, Master Spec List, Major Equip and Structure List)	Include TSE schedule updates in the Monthly Compliance Report.	Fluor	Monthly							
629	CEC		x		TSE-2	Electrical Engineer - Staff Assignment Civil Engineer - Staff Assignment	Notify the CPM of the CBO's approval of the new engineer within five days of the approval.	Fluor	< 5d of approval							
629	CEC		x		TSE-2	Electrical Engineer - Staff Assignment Civil Engineer - Staff Assignment	If an engineer is reassigned or replaced, submit resume of replacement.	Fluor	< 5d of replacement							
631	CEC		x		TSE-3	Design Discrepancy Submittals	Document and recommend corrective actions for any discrepancy in design and/or construction engineering work that has undergone CBO design review and approval. Submit a copy of the CBO's approval or disapproval of any corrective action taken to resolve a discrepancy to the CPM.	Fluor	< 15d of receipt							
631	CEC		x		TSE-3	Design Discrepancy Submittals	If resolution is disapproved, advise the CPM the reason for the disapproval, along with the revised corrective action required to obtain the CBO's approval.	Fluor	< 5d of notification							
632	CEC		x		TSE-4	CBO Submittal - Power Plant Switchyard, Outlet Line and Termination Design Plans	Submit to the CBO the final design plans, etc for the power plant switchyard, and outlet line and termination, include statement from the electrical engineer verifying compliance with all applicable LORS.	Fluor	pt start of each increment of construction							
633	CEC		x		TSE-4	CBO Submittal - Power Plant Switchyard, Outlet Line and Termination Design Plans	Submit a copy of the transmittal letter of final design plans to CBO in the next monthly compliance report.	Fluor	after sumittal							
634	CEC		x		TSE-4	CBO Submittal - Power Plant Switchyard, Outlet Line and Termination Design Plans	Request that the CBO inspect the installation to ensure compliance with the requirements of applicable LORS.	Fluor								
635	CEC			x	TSE-4	CBO Submittal - Power Plant Switchyard, Outlet Line and Termination Design Plans	Retain all plans, including changes, on site for one year after completion of construction.	Fluor	1yr after construction completion		26-Jun-15					
636	CEC		x		TSE-4	CBO Submittal - Power Plant Switchyard, Outlet Line and Termination Design Plans	Include in the monthly compliance report: a) receipt or delay of major electrical equipment; b) testing or energization of major electrical equipment; and c) the number of electrical drawings approved, submitted for approval, and still to be submitted.	Fluor	Monthly		Monthly					
637	CEC		x		TSE-5	CBO Submittal - Tline Design Drawings, Specs and Calca	Submit to the CBO : a) Design drawings for the poles/towers, foundations, anchor bolts, conductors, grounding systems, and major switchyard	Fluor	pt const of Tline		24-Jul-12					
638	CEC		x		TSE-6	CBO Submittal - TSE-5 Change Requests	Notify 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 pt to the construction of transmission facilities.	Fluor	pt const of Tline		24-Jul-12					
639	CEC			x	TSE-7	ISO Notification	Submit telephone notification to the California ISO Outage Coordination Department	Operations	> 1d pt synchronizaiton		31-Dec-12					
640	CEC			x	TSE-7	ISO Notification	Submit to the California ISO a letter stating the proposed date of synchronization.	Operations	> 7d pt synchronizaiton		25-Dec-12					

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641	CEC			x	TSE-7	ISO Notification	Submit a report of conversation with the California ISO.	Operations	> 1d pt synchronizaion		31-Dec-12						
642	CEC			x	TSE-8	Code Compliance	Submit: a) "As built" engineering description(s) and one-line drawings of the electrical portion of the facilities signed and sealed by the registered electrical engineer in responsible charge. A statement attesting to conformance with codes and standards shall be provided concurrently. b) An "as built" engineering description of the mechanical, structural, and civil portion of the transmission facilities signed and sealed by the registered engineer in responsible charge or acceptable alternative verification. Retain "As built" drawings at the power plant and make available, if requested, for CPM audit as set forth in the "Compliance Monitoring Plan". c) A summary of inspections of the completed transmission facilities, and identification of any nonconforming work and corrective actions taken, signed and sealed by the registered engineer in charge.	Operations	< 60d after first synchronizaion		2-Mar-13						
643	CEC		x	x	TSE-8	Code Compliance	In case of non-conformance of Tline construction or operation, notify CPM and CBO and describe the corrective actions to be taken.	Fluor / Operations	< 10d upon discovery								
643	CEC		x	x	TSE-8	Code Compliance	Inspect transmission line to ensure conformance with applicable codes and standards.	Fluor / Operations	Ongoing								
644	CEC		x	x	COMPLIANCE-1	Unrestricted Access	Provide CEC staff and delegate agencies or consultants unrestricted access to the power plant site.	NextEra									
645	CEC		x	x	COMPLIANCE-2	Compliance Record	The project owner shall maintain project files on-site.	Operations									
646	CEC		x	x	COMPLIANCE-2	Compliance Record	Energy Commission staff and delegate agencies shall be given unrestricted access to the files.	Operations									
647	CEC	x	x	x	COMPLIANCE-3	Compliance Verification Submittals	The project owner is responsible for the delivery and content of all verification submittals to the CPM, whether such condition was satisfied by work performed or the project owner or his agent.	NextEra									
648	CEC	x			COMPLIANCE-4	Pre-con Matrix and tasks	Submit a pre-construction matrix identifying only those conditions that must be fulfilled before the start of construction,	Tetra Tech / Fluor	pt construction		16-Jan-11	5-Nov-10	pending				
649	CEC	x			COMPLIANCE-5	Compliance Matrix	Submit a compliance matrix with each monthly and annual compliance report	ECM	Monthly			7-Dec-10					
650	CEC	x	x		COMPLIANCE-6	Monthly Compliance Report and Key Events List	Submit Monthly Compliance Reports. Include an initial list of dates for each of the events identified on the Key Events List.	ECM	Monthly		Monthly	12/7/2010 1/12/11					
651	CEC			x	COMPLIANCE-7	Annual Compliance Reports	Submit Annual Compliance Reports instead of Monthly Compliance Reports.	Operations	Annually								
652	CEC	x	x	x	COMPLIANCE-8	Confidential Information	Submit confidential information to CEC Executive Director with a request for confidentiality.	Fluor / NextEra	Ongoing								
653	CEC	x			COMPLIANCE-9	Complaints, Notices and Citations	Send a letter to property owners living < 1mile of the project notifying them of a telephone number to contact project representatives with questions, complaints, or concerns.	NextEra	pt construction		16-Jan-11		Approved 1/19/11				
654	CEC			x	COMPLIANCE-10	Planned Facility Closures	Submit a closure plan to the CPM.	Operations	> 12m pt closure								
655	CEC		x		COMPLIANCE-11	Unplanned Permanent Facility Closure	Submit an on-site contingency plan.	Fluor	> 90d of CPM determination								
656	CEC		x		COMPLIANCE-12	Unplanned Permanent Facility Closure	In the event of an unplanned permanent closure, notify agencies take all necessary steps to implement the on-site contingency plan.	Fluor	< 24 hrs of closure								

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Internal Due Date	Date Final Due	Date Submitted to Agency	Agency Status	Documentation On Hand Y/N	Internal Comments	Operational On-going Cost
657	CEC	x	x	x	COMPLIANCE-13	Post Certification Changes to the Decision	Petition the Energy Commission to delete or change a condition of certification, modify the project design or operational requirements and/or transfer ownership of operational control of the facility.	NextEra	Ongoing							

Appendix A
Equipment List and Rating

AQ-SC5

Diesel Engine Emissions Monitoring and Reporting

Genesis Solar Energy Project
(SPX) Over 50hp Diesel Equipment List

9/4/

Equipment Type	Brand/Model	CA ARB Registration Number	Expiration Date	Vehicle Serial Number	Engine Year	Horsepower	Tier Rating	Contractor	Rental Company	Mobilization Date	Demob. Date
10K Reach Forklift	Skytrak10054	WV7G87	n/a	160045259	2012	85	4	SPX	United Rental	4/17/12	
Aerial Lift	JLG 600S-D-4WD	JA3S89	n/a	300100537	2006	65	2	SPX	United Rental	4/9/12	5/9/12
12K Reach Forklift	JLG G12-55A-CAB	WS4U93	n/a	160042642	2011	130	3	SPX	United Rental	4/16/12	
10K Reach Forklift	SkyTrak10054	NL5S46	n/a	160028758	2006	110	3	SPX	United Rental	3/30/12	8/2/12
10K Reach Forklift	SkyTrak10054-CAB	MG7N93	n/a	160045262	2012	85	4	SPX	United Rental	4/17/12	8/14/12
90T Hydraulic Crane	Link Belt RTC 8090 II	PW7X77	n/a	N4J9-1414	2008	275	3	SPX	Bragg Crane	4/19/12	
Skid Steer Loader	Bobcat T190	JP8A55	n/a	A3LN40197	2011	66	4	SPX	United Rental	4/2/12	8/2/12
Crawler Crane	Manitowoc 2250	UN4J99	n/a	2251187	2004	500	2	SPX	Bragg Crane	4/20/12	
Aerial Lift	Genie S80	SP9S45	n/a	S8006-5239	2008	69	3	SPX	United Rental	5/9/12	8/2/12
Aerial Lift	JLG 1200S	LX7E63	n/a	300108357	2007	87	4	SPX	United Rental	5/9/12	5/25/12
Aerial Lift	JLG 860S	WK3P33	n/a	300087288	2005	64.5	4	SPX	United Rental	5/9/12	8/11/12
Off H-Way Truck	YT30	LG4V94	n/a	305188	2002	148	3	SPX	United Rental	5/16/12	
Aerial Lift	Genie S85D-4WD	MB9A48	n/a		2001	53	4	SPX	United Rental	5/25/12	8/12/12
Crane	Tadano GR150XL-1	GK4C54	n/a	FD1373	2006	135	3	SPX	Bragg Crane	6/1/12	
Crawler Crane	Liebherr LR 1160	EW4G63	n/a	134105	2007	362	3	SPX	Bragg Crane	6/1/12	
Aerial Lift	Snorkel TB80	EB3J97	n/a	JA07011	2006	64	4	SPX	United Rental	6/6/12	6/11/12
Forklift	Doosan D130S-5	FU8T96	n/a	FDCO2-1270-00441	2012	138	3	SPX	United Rental	3/30/12	8/2/12
Aerial Lift	JLG 600S	GP4P96	n/a	300068195	2002	64	4	SPX	United Rental	6/11/12	7/23/12
Aerial Lift	Genie S60X	JL4L53	n/a	1121723	2010	48.6	4	SPX	United Rental	6/11/12	
Aerial Lift	JLG 860SJ	VA5H57	n/a	300140695	2010	62	4	SPX	United Rental	6/8/12	7/27/12
Aerial Lift	Genie S85-D-4WD	HA3V64	n/a	S8008-7276	2008	74	3	SPX	United Rental	6/11/12	
Aerial Lift	Genie S-40	PG4E79	n/a	S4005-8825	2005	48	3	SPX	United Rental	6/12/12	
Aerial Lift	Genie S-85	BA7H58	n/a	S8512-9424	2012	74	4	SPX	United Rental	6/26/12	
Aerial Lift	JLG 600S	TE7W96	n/a	300160743	2012	49	4	SPX	United Rental	7/13/12	8/2/12
Aerial Lift	Genie S120-D-4WD	LP5R53	n/a	S12005-1090	2005	74	3	SPX	United Rental	7/29/12	8/23/12
Aerial Lift	Genie S125-D-4WD	BA4U44	n/a	S12511-3021	2010	78	3	SPX	United Rental	7/23/12	
90T Hydraulic Crane	Link Belt RTC-8090_II	LV6S67	n/a	N4J9-0909	2008	275	3	SPX	Bragg Crane	7/27/12	
12K Reach Forklift	JLG G12-55A_HVY_DTY	MN3A47	n/a	160041880	2011	130	3	SPX	United Rental	8/2/12	
10K Reach Forklift	JLG 10054	AR8H47	n/a	160047046	2012	75	3	SPX	United Rental	8/14/12	
Tractor	Deere 210LJ	EP9H67	n/a	1T0210LJJB089	2011	75	3	SPX	United Rental	8/14/12	
Aerial Lift	Genie S-125	NR3S59	n/a	S12511-2966	2010	74	3	SPX	United Rental	8/23/12	
Aerial Lift	Genie S-125	NJ3W39	n/a	S12511-2974	2010	75	3	SPX	United Rental	8/14/12	
Aerial Lift	JLG 1200SJP	EM7F54	n/a	300156959	2011	75	3	SPX	United Rental	8/29/12	
ON ROAD VEHICLES - DO NOT REQUIRE OFF ROAD REGISTRATIONS											

Genesis Solar Energy Project
Largo Concrete Inc. Over 50hp Diesel Equipment List

8/29/2012

Equipment Type	Brand/Model	CA ARB Registration Number	Expiration Date	Vehicle Serial Number	Engine Year	Horsepower	Tier Rating	Contractor	Rental Company	Mobilization Date	Demob. Date	Notes
10K Reach Forklift	Skytrak 10054	MK3P69	n/a	160032431 LG011705583 / 720948	2007	75-130kw	3	Largo Concrete	RSC	11/21/11		
8K Reach Forklift	Gehl RS8	YE5K34	n/a	RS842JZ0616921 757179	2007	115-86	3	Largo Concrete	RSC	12/5/11		
8K Reach Forklift	Skytrak 8042	TK5B38	n/a	160029782 LGE15003852 / 686535	2007	110-82	3	Largo Concrete	RSC	12/15/11		
8K Reach Forklift	Skytrak 8042	SG3T73	n/a	160042269 LGE15003364 / 886599	2009	110-82	3	Largo Concrete	RSC	12/15/11		
Forklift	Gradell 5340-9W	EA4C39	n/a	T8807L475 697489	1999	110	3	PCS	OWNED	3/12/12		
Forklift	Skytrak 8042	MR4F99	n/a	LG021010016 866000	2010	130	3	Largo Concrete	RSC	-		
Skiploader	JD 3210LE	FX8P94	n/a	0210LE884721 763095	2003	77.8	3	Largo Concrete	RSC	-		
Skiploader	JD 210L J	TH3U69	n/a	1T0210LJLVB0890404 866995	2010	56-75	3	Largo Concrete	RSC	12/27/11		
Skiploader	JD 210L J	RR4Y66	n/a	1T0210LJEA0890262 813309	2010	56-75	3	Largo Concrete	RSC	12/5/11		
Skiploader	JD 210LJ	FH4J85	n/a	1T0210LJPB0890381 862352	2010	74KW	3	Largo Concrete	RSC	2/16/12		
Skiploader	JD210 LJ	UA7J75	n/a	1T0210LJKB0890382 862352	2010	74KW	3	Largo Concrete	RSC	3/26/12		
Skiploader	JD 210 LE	BP4H43	n/a	1T0210LE884563 751257	2005	75.1	3	Largo Concrete	RSC			
3 Yard Loader	Deer 544-K	VL6L84	n/a	1DW544KZTA0628594 804736	2010	114 KW	3	Largo Concrete	RSC	1/10/12		
Loader	JD 210LE	KF5H65	n/a	T0210LE884232	2005	75	3	Largo Concrete	RSC	5/17/12		
Roller-Ingersol	SD116D4	EL3B97	n/a	186167 174902	2005	115	3	Largo Concrete	RSC	2/16/12		
Drill Rig - DR32	Soil Mec R312	NS6S47	n/a	2624 NL6547	2006	200	3	Anderson	n/a	12/21/11		
Drill Rig SR30	Soil Mec R312	JH7G66		4066 4046	2011	220	3	Anderson	n/a	3/26/12		
Drill Rig - DR24	Cat 330 BL	WN9V96		6DR03537	2000	222	3	Anderson	n/a	3/20/12		HOURLY
Drill Rig - DR38	CATERPILLAR	VM7C98		015CKCJC04556	2007	110	3	Anderson	n/a	3/26/12		HOURLY

**Genesis Solar Energy Project
Master Equipment List**

Equipment Type	Brand /Model	Registration Number	Expiration Date	Serial Number	Engine Year	Horsepower	Tier Rating	Contractor	Rental Company	Mobilization Date	Demobilization Date	Notes
Drive Engine	CAT C7 Acert	148483	8/31/2013	NA	NA	NA	III	SouthWest Drilling	SouthWest Drilling	(Recorded 9/20/2011)	10/1/2011	Removed from site.
Drive Engine	CAT C7 Acert	148484	8/31/2013	NA	NA	NA	III	SouthWest Drilling	SouthWest Drilling	(Recorded 9/20/2011)	10/1/2011	Removed from site.
Air Compressor	Atlas Copco	152484	8/31/2013	JPEC-0005	NA	NA	III	SouthWest Drilling	CAT/Johnson	(Recorded 9/20/2011)	10/1/2011	Removed from site.
Engine	DDC Diesel	130415	3/31/2014	NA	NA	NA	III	SouthWest Drilling	ARB Portable Equipment	(Recorded 9/20/2011)	10/1/2011	Removed from site.
Sweeper	Broce Broom	VH3U58	NA	807664	2010	84	III	Sukut	RSC	(Recorded 9/20/2011)	10/1/2011	Removed from site
Dozer	CAT 834B	CS8P98	NA	34-07	2007	475	III	Sukut	Sukut	9/19/2011	3/22/2012	
Dozer	CAT 824C	YA9K67	NA	24-12	2007	354	III	Sukut	Sukut	9/29/2011	6/6/2012	
Motor Grader	CAT 16G	SC5M77	NA	2801-16	2009	297	III	Sukut	Miller Blades	10/6/2011		
Scraper	CAT 657	PC8Y97/HB3 G78	NA	57-21	2007	600	III	Sukut	Sukut	(Recorded 9/20/2011)	4/9/2012	Removed from site
Backhoe	CAT 692	KK7C43	NA	430-D	NA	NA	III	SouthWest Drilling	SouthWest Drilling	(Recorded 9/20/2011)	10/1/2011	Removed from site.
Motor Grader	CAT 140H	UN7F66	NA	4068	NA	NA	III	Sukut	Miller Blades	(Recorded 9/20/2011)	9/23/2011	Removed from site.
Scraper	CAT 657	TH4G47/UK3 K99	NA	57-22	2010	440	III	Sukut	Sukut	9/28/2011	4/20/2012	
Scraper	CAT 657	XK3J33/GP8T 95	NA	57-60	2007	440	III	Sukut	Sukut	9/28/2011	4/11/2012	
Scraper	CAT 657	DF9C83/DG6 M34	NA	57-66	2006	600	III	Sukut	Sukut	9/28/2011	4/12/2012	
Scraper	CAT 657	VT6M63/FJ6T 95	NA	57-63	2006	440	III	Sukut	Sukut	9/29/2011	4/20/2012	
Scraper	CAT 657	RX8U86/NP6 Y75	NA	57-33	2007	440	III	Sukut	Sukut	9/29/2011	4/10/2012	
Scraper	CAT 657	AF3R99/AN5 G44	NA	57-28	2010	440	III	Sukut	Sukut	9/30/2011	4/13/2012	
Scraper	CAT 657	CWSY75/GJ9 T48	NA	57-29	2010	440	III	Sukut	Sukut	10/4/2011	4/10/2012	

**Genesis Solar Energy Project
Master Equipment List**

Equipment Type	Brand /Model	Registration Number	Expiration Date	Serial Number	Engine Year	Horsepower	Tier Rating	Contractor	Rental Company	Mobilization Date	Demobilization Date	Notes
Scraper	CAT 657	KG5B54/SG3 N43	NA	57-64	2010	440	III	Sukut	Sukut	10/4/2011	4/26/2012	
Water Wagon	CAT 651	CF4M43	NA	51-83	2006	540	III	Sukut	Sukut	9/29/2011	4/4/2012	
Skiploader	John Deere	NA	NA	NA	NA	NA	III	Sukut	Sukut	9/19/2011	9/28/2011	Used less than 10 days onsite.
Skiploader	CAT 414E	ME7J57	NA	NA	NA	NA	III	Sukut	United Rentals	10/12/2011	11/3/2011	
Scraper	CAT 623	XE5H67	NA	NA	1985	350	III	Sukut	Sukut	9/28/2011		
Motor Grader 16G	CAT 16G	HK8W79	NA	NA	2009	298	III	Sukut	Miller Blades	9/19/2011		
Dozer	CAT D9T	EV5K99	NA	90-34	2005	410	III	Sukut	Sukut	9/28/2011	3/8/2012	
Skiploader	CAT 414E	CL7M35	NA	NA	2007	78	III	Sukut	Sukut	9/27/2011	10/7/2011	Removed from site
Generator	Atlas Copco QAS-30	645888	NA	645888	NA	NA	NA	Sukut	RSC	(Recorded 9/20/2011)	10/1/2011	Removed from site
Generator	Airman -SDG60S	1473A20166	NA	689	NA	NA	NA	SouthWest Drilling	SouthWest Drilling	(Recorded 9/20/2011)	10/1/2011	Removed from site
Generator	Kohler 400 Kw	138194	5/31/2013	403015	NA	99	III	Sukut	Kohler Rental	(Recorded 9/20/2011)		WI Lic. Plate 555501
Generator	MQ Power	147014	3/31/2012	1101821	NA	NA	III	SouthWest Drilling	United Rentals	(Recorded 9/20/2011)	10/1/2011	Removed from site
Generator	NA	148485	8/31/2013	NA	NA	NA	III	SouthWest Drilling	SouthWest Drilling	(Recorded 9/20/2011)	10/1/2011	removed from site
Generator	Kohler 400 Kw	138189	5/31/2013	403010	NA	99	III	Sukut	RSC		10/1/2011	
Generator	MQ Power 400 Kw	143594	5/31/2014	2263	NA	NA	III	Sukut	RSC		10/11/2011	1/30/2012
Motor Grader	CAT 140H	LI6V63	NA	NA	NA	NA	III	Sukut	Miller Blades	10/17/2011	10/24/2011	
Scraper	CAT 613	FW6W46	NA	NA	NA	NA	III	Sukut	Miller Blades	10/17/2011	11/14/2011	
Backhoe	CAT 420E	GH8F30	NA	NA	NA	NA	III	Sukut	United Rentals	10/12/2011	10/22/2011	
Roller	BOMAG 177D	HV4A78	NA	NA	NA	NA	III	Sukut	United Rentals	10/20/2011	10/21/2011	
Motor Grader	CAT 16G	LD9L79	NA	NA	NA	NA	III	Sukut	Miller Blades	10/25/2011		
Scraper	CAT 657	PU7M84/VR9 W59	NA	57-59	NA	440	III	Sukut	Sukut	10/25/2011	4/27/2012	
Scraper	CAT 657	VR9W59/DU 7M84	NA	57-41	NA	440	III	Sukut	Sukut	10/28/2011	4/30/2012	
Scraper	CAT 657	TP5D95/WN3 G47	NA	57-40	NA	440	III	Sukut	Sukut	11/3/2011	4/10/2012	
Scraper	CAT 657	NX6E67/XF4 H83	NA	57-56	NA	440	III	Sukut	Sukut	11/3/2011	4/10/2012	
Skiploader	CAT 414E	KF6F93	NA	NA	2007	78	III	Sukut	Sukut	11/3/2011		
Water Pull	CAT	EINUN7B76	NA	NA	NA	NA	III	Sukut	Sukut	11/4/2011	4/9/2012	
Scraper	CAT 657	LK5B78/PP9G 75	NA	57-41	NA	440	III	Sukut	Ren Trac	11/9/2011	4/12/2012	
Scraper	CAT 657	GW6L96/PG6 J43	NA	1265	NA	440	III	Sukut	Rent Trac	1/9/2012	7/25/2012	
Scraper	CAT 657	TP8386/4F55 38	NA	1257	NA	440	III	Sukut	Rent Trac	1/9/2012		
Scraper	CAT 657	GT4449/T4G N36	NA	1229	NA	440	III	Sukut	Rent Trac	1/10/2012	7/25/2012	

**Genesis Solar Energy Project
Master Equipment List**

Equipment Type	Brand /Model	Registration Number	Expiration Date	Serial Number	Engine Year	Horsepower	Tier Rating	Contractor	Rental Company	Mobilization Date	Demobilization Date	Notes
Scraper	CAT 657	PD6T47/TM7 F56	NA	1248	NA	440	III	Sukut	Rent Trac	1/10/2012		
Scraper	CAT 657	XC3E93/VX8L 63	NA	1355	NA	440	III	Sukut	Rent Trac	1/11/2012		
Generator	70 Kw	140035	NA	701672	NA	NA	III	Sukut	RSC	11/15/2011	1/13/2012	
Forklift	Skytrack JLG	NL5346	NA	NA	NA	NA	NA	Sukut	RSC	11/10/2011	3/26/2012	
Backhoe	JD 310	XK3X55	NA	NA	NA	NA	III	Sukut	RSC	7/23/2012		
Skiploader	JD 210	NA	NA	NA	NA	NA	III	Sukut	RSC	11/12/2011	3/5/2012	
Water Wagon	CAT 651	FRX8T76/R43 TG49	NA	37-05	NA	NA	III	Sukut	Sukut	1/3/2012	4/6/2012	
Generator	500 Kw	139957	8/31/2013	55-500	NA	NA	III	Sukut	RSC	1/3/2012		
Scraper	CAT 623	SF9V87	NA	1	NA	NA	III	Sukut	Miller Blades	1/16/2012		
Water tower	10,000 gallon	NA	NA	60-25	NA	NA		Sukut	Sukut	1/14/2012		
BLADE	14-G	YV7D87	NA	NA	NA	NA	III	Sukut	Miller Blades	1/16/2012	1/17/2012	Broke Down
Backhoe	430 CAT	FP4V94	NA	NA	NA	NA	III	Sukut	Sukut	1/18/2012		
BG	BG 43-07	NA	NA	43-07	NA	NA	NA	Sukut	Sukut	1/18/2012	3/26/2012	
DOZER	D-6R	LW6D89	NA	NA	NA	NA	III	Sukut	Miller Blades	1/19/2012	2/6/2012	
FARM TRACTOR	CASE STX 450	NA	NA	NA	NA	NA	III	Sukut	Sukut	1/20/2012	2/7/2012	
325 CAT EX	CAT 325 EX	BT3N89	NA	NA	NA	NA	III	Sukut	JOHNSON	1/23/2012	2/23/2012	
D8R DOZER	D8R CAT							Sukut	WASHBURN	1/23/2012		
WHISPER WATT	WHISPER	152544	9/30/2013	3839908		6CYL 4CYCLE	III	SUKUT	SUN BELT	1/30/2012		
966 CAT LOADER	966 CAT LD	WH9C85	NA	NA	2012	NA	III	SUKUT	JOHNSON	2/14/2012	2/23/2012	
DYNA FL	DYNA FL	KH9P57	NA	NA	NA	NA	III	Sukut	RSC	2/20/2012	3/15/2012	
WHISPER WATT	WHISPER	139575	7/31/2013	3802165	NA	6CYL 4CYCLE	III	Sukut	SUN BELT	2/20/2012		
CAT 140 BLADE	CAT	FF8E33	NA	NA	NA	NA	III	Sukut	Miller Blades	2/28/2012		
CAT 16 G BLADE	CAT	NN3L55	NA	NA	NA	NA	III	Sukut	SUKUT	2/29/2012	5/10/2012	
CASE SKIP	CASE MXT 570	NA	NA	NA	NA	NA	NA	Sukut	RSC	3/5/2012	3/15/2012	
DOZER	CAT D-8R	SM9G44	NA	NA	NA	NA	III	Sukut	Sukut	3/8/2012		
414 E	CAT SKIP	VT4P46	NA	NA	NA	NA	III	Sukut	Sukut	3/15/2012		
BOB CAT	BOB CAT						III	Sukut	RSC	3/21/2012	3/26/2012	
710 JD BH	John Deere	XX5W48	NA	NA	NA	NA	III	Sukut	RSC	3/19/2012	3/24/2012	
CAT D-6T	CAT	GY3D78	NA	NA	NA	NA	III	Sukut	JOHNSON	3/22/2012	3/26/2012	
CAT 314C	CAT	MV7J49	NA	NA	NA	NA	III	Sukut	SW V DICTH	3/22/2012	3/26/2012	
CAT 414 E SKIP	CAT	ME7J57	NA	NA	NA	NA	III	Sukut	JOHNSON	4/5/2012	4/9/2012	
CAT D-6 N	CAT	MV5C47	NA	NA	NA	NA	III	Sukut	COBURN	4/9/2012		
CAT LD 950	CAT	NA	NA	NA	NA	NA	III	Sukut	CM PIECH	4/9/2012	4/10/2012	
Roller CAT CS56	CAT	RB7N33	NA	NA	NA	NA	III	Sukut	JOHNSON	4/9/2012	6/7/2012	
PULVERIZIER	CAT RS 650	YTSU87	NA	NA	NA	NA	III	Sukut	PAVEMENT RECYCLING	4/10/2012	6/4/2012	
PULVERIZIER	CAT RS 650	EB3W78	NA	NA	NA	NA	III	Sukut	PAVEMENT RECYCLING	4/10/2012	6/4/2012	
CAT 613 SCRAPER	CAT 613 C	HJ8A34	NA	NA	NA	NA	NA	Sukut	Miller Blades	4/11/2012	6/7/2012	
CAT D-6	D-6 CAT	XA4B63	NA	NA	NA	NA	III	Sukut	Sukut	5/7/2012	6/7/2012	
CAT 623B	623B CAT	CF8X44	NA	NA	NA	NA	NA	Sukut	Miller Blades	5/9/2012	6/4/2012	
CAT 623B	623B CAT	VT6G87	NA	NA	NA	NA	NA	Sukut	Miller Blades	5/9/2012	6/7/2012	
CAT 140 M	140 M BLADE	GM3L75	NA	NA	NA	NA	III	Sukut	JOHNSON	5/14/2012	6/7/2012	
CAT 420E	BH 420E CAT	EP7H96	NA	NA	NA	NA	III	Sukut	JOHNSON	5/15/2012		
CAT 450 E CAT	BH 450 E CAT	IR100D	NA	NA	NA	NA	III	Sukut	JOHNSON	5/15/2012	5/30/2012	
WATER PULL	CAT 51-83	CF4M43	NA	NA	NA	NA	III	Sukut	Sukut	5/15/2012		
IR ROLLER	84" IR ROLLER	RM4T74	NA	NA	NA	NA	NA	Sukut	Miller Blades	5/15/2012	5/31/2012	
CAT 966 LD	CAT 966 LD	WH9C85	NA	NA	NA	NA	III	Sukut	JOHNSON	5/16/2012	6/6/2012	
JD SL 210	JD SL 210	BP4H43	NA	NA	NA	NA	NA	Sukut	United Rentals	5/17/2012	6/4/2012	
CAT FL	CAT FL	VP3W75	NA	NA	NA	NA	NA	SUKUT	JOHNSON	5/29/2012		
HYSTER FL	80 LB FL	BE3X94	NA	NA	NA	NA	NA	Sukut	JOHNSON	6/1/2012		
345 CAT	345 CAT	BH5S85	NA	NA	NA	NA	III	Sukut	BRAGE	6/6/2012		

**Genesis Solar Energy Project
Master Equipment List**

Equipment Type	Brand /Model	Registration Number	Expiration Date	Serial Number	Engine Year	Horsepower	Tier Rating	Contractor	Rental Company	Mobilization Date	Demobilization Date	Notes
950 LD Scraper	CAT 950 CAT 657	CA9W57 NA LP8A96 NA TT8R54		NA 1187	NA NA	NA NA	III III	Sukut Sukut	Sukut Rent Trac	6/8/2012 6/30/2012		
SCRAPER	CAT 657	ST6X78 NA GU7N67		1357	NA	NA	III	SUKUT	RENT TRAC	6/30/2012		
SCRAPER	CAT 657	LX7H34 NA NK9V77		1374	NA	NA	III	SUKUT	RENT TRAC	6/30/2012		
SCRAPER	CAT 657	UG3S87 NA SF7N35		1147	NA	NA	III	SUKUT	RENT TRAC	6/30/2012		
SCRAPER	CAT 657	LE8Y36 NA AF6P35		1371	NA	NA	III	SUKUT	RENT TRAC	6/30/2012		
SCRAPER	CAT 657	KL7V65 NA TD8A97		1150	NA	NA	III	SUKUT	RENT TRAC	6/30/2012	7/25/2012	
SCRAPER	CAT 657	VP3U79 NA BA3G69		1273	NA	NA	III	SUKUT	RENT TRAC	6/30/2012		
CAT 834	CAT 834	CS8P98 NA		34-07	NA	NA	III	SUKUT	SUKUT	6/29/2012		
WATER PULL SCRAPER	CAT 631 CAT657	YN8E69 NA VJ9K83		631 1148	NA NA	NA NA	III III	SUKUT SUKUT	PRO WATER RENT TRAC	7/6/2012 7/7/2012		
SCRAPER	CAT 657	AF8V75 TP8J86		1257	NA	NA	III	SUKUT	RENT TRAC	7/6/2012		
SCRAPER	CAT 657	YF5S38 XJ5W87 NA KE6M93		1373	NA	NA	III	SUKUT	RENT TRAC	7/6/2012		
ROCK TRK	JD 40 TN	FM6T89 NA		400D	NA	NA	III	SUKUT	B&B	7/20/2012		
ROCK TRK ROLLER CS44 ROLLER	JD 35 TN CAT CS44 HAMM	BR8L84 NA YF5E36 NA PC3H94 NA		400D CS44 HAMM	NA NA NA	NA NA NA	III III III	SUKUT MILLER MILLER	B&B JOHNSON DORADO	7/24/2012 7/23/2012 7/23/2012		

Appendix B

Biological and Botany Reports

BIO-8: Impact Avoidance and Minimization Measures

BIO-19: Special-Status Plant Impact Avoidance, Minimization and Compensation

**GENESIS SOLAR ENERGY PROJECT
BIOLOGICAL RESOURCES
MONTHLY COMPLIANCE REPORT
FOR AUGUST 2012**



Prepared for:

Genesis Solar, LLC
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Prepared by:

AECOM
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August 2012

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ATTACHMENTS

- 1 Figures
- 2 Species Observed During August Surveys and Monitoring
- 3 Daily Biological Monitoring Logs
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INTRODUCTION

AECOM biologists are performing biological resource construction monitoring for the Genesis Solar Energy Project (Project or GSEP) on behalf of Genesis Solar, LLC. The GSEP construction activities are currently focused on the Plant Site (approximately 1,727 acres) and the Access Road. The transmission line and second phase of the natural gas pipeline are not yet under construction. Monitoring of these facility areas are being conducted in compliance with the following agency approvals and permits issued for the Project:

- California Energy Commission's (CEC's) Final Conditions of Certification (COCs) (Genesis Solar Energy Project Final Decision, CEC-800-2010-011-CMF, 09-AFC-8 September 2010)
- Genesis Solar Energy Project Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP, Docket Number 09-AFC-8, January 2011) and appended Compliance Plans:
 - Weed Management Plan (Appendix C.1 of BRMIMP)
 - Revegetation Plan (Appendix C.2 of BRMIMP)
 - Couch's Spadefoot Toad Protection and Mitigation Plan (Appendix C.3 of BRMIMP)
 - Desert Tortoise Translocation Plan (Appendix C.4 of BRMIMP)
 - Burrowing Owl Relocation and Mitigation Plan (Appendix C.5 of BRMIMP)
 - Golden Eagle Monitoring and Management Plan (Appendix C.7 of BRMIMP)
 - Common Raven Monitoring, Management, and Control Plan (Appendix C.8 of BRMIMP)
- U.S. Fish and Wildlife Service (USFWS) Section 7 Biological Opinion (BO) on the Genesis Solar Energy Project No. FWS-ERIV-08B0060-10F0878 (November 2, 2010)
- Bureau of Land Management (BLM) Right of Way (ROW) Grant, Serial Number CACA-048880 (November 30, 2010)
- Record of Decision (ROD for the Genesis Solar Energy Project and Amendment to the California Desert Conservation Area Plan, October 2010

This report documents compliance monitoring activities conducted in August 2012. The following biological surveys and monitoring took place in August 2012:

- Weekly reconnaissance for ravens, focusing on potential subsidies; and, daily recording of raven sightings.

- Biological monitoring of the Plant Site, Access Road and Temporary Exclusion Fence Repair disturbance areas.
- Flood response assessment and monitoring.

Wildlife species observed and photos taken during these activities are provided in Attachment 2 and Attachment 3, respectively.

PROJECT LOCATION AND DESCRIPTION

The Project site is located in the Riverside County, California between the community of Desert Center and the city of Blythe. The Project is located on land owned by the federal government and managed by the BLM, pursuant to an ROW grant issued to Genesis Solar from BLM and the power plant certification issued by CEC. The total Project Disturbance Area (at build out) will be approximately 1,819.5 acres.

The Project is a concentrated solar electric generating facility that will use parabolic trough technology to generate electricity. The Project consists of two independent concentrated solar electric generating facilities with a nominal net electrical output of 125 megawatts (MW) each, (Units 1 and 2), for a total net electrical output of 250 MW. The Plant Site includes the solar arrays, power blocks, power generating equipment, support facilities, and evaporation ponds. The Linear Facilities include a transmission line, distribution line, natural gas pipeline, and a main access road.

MONITORED MITIGATION MEASURES AND PERMIT CONDITIONS

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

During August 2012, there was one verbal work stoppage issued by BLM following response efforts associated with flood clean-up activities from a rain event that occurred on July 31, 2012. Flood response efforts required cleanup activities outside the exclusion fence surrounding the Plant Site as well as repairs to the exclusion fencing itself. A variance for offsite cleanup was incorrectly interpreted to include fence repair activities. The offsite cleanup variance allowed small tracked vehicles and Gator type ATVs for recovering off site debris; however, it did not cover fence repair. A stop work order was issued and a plan was developed in consultation with the BLM to allow fence repairs. The fence repair variance allowed small tracked vehicles and

Gator type ATVs to be used within a 12-foot buffer extending beyond the existing fence line. The 12-foot buffer included three feet of previously granted Right-of-Way. No adverse impacts to biological resource resulted from fence repair work conducted under the initial offsite cleanup variance. See further discussion under monitoring below.

All other Project activities were in compliance with the COCs that apply to the construction activities.

SUMMARY OF ACTIVITIES

Weekly activities for the month consisted of:

- Storm Response Assessment and Monitoring
 - A significant rain event occurred on July 30 and July 31, 2012. It has been estimated that this rain event may have been a 100 year event. Approximately 6 inches of rain fell in a two-day span. Measurements indicated that approximately 3.3 inches of rain fell in a six-hour span July 31. The rain fall resulted in sheet flow of rainwater into the storm channels surrounding the Plant Site. The water flow caused damage to the temporary tortoise exclusion fence, the access road at the tortoise grate, carried debris south of the site, and created rainwater ponding in the perimeter channels and at various locations on site. The storm damage required repairs to the fence and flood channels and debris cleanup to the south of the Plant Site. These repairs and offsite debris cleanup required biological monitoring. The temporary tortoise exclusion fence and access road repairs were authorized by variances issued by the BLM (see Appendix 5). Fence repair activities are detailed under the Exclusion Fence Monitoring section below.
 - Two Couch's spadefoot toads were found on site on August 1 and 3 during monitoring activities following the storm event. The Couch's spadefoot toads were found in a drainage channel where ponding had occurred. Monitoring and relocation efforts associated with the Couch's spadefoot toads were summarized in a separate report. See special status species section below for more detail.
 - A pair of kit foxes were detected within Power Block 1. The kit foxes appeared to be using structures onsite for shade following the storm event that appeared to have flooded multiple kit fox dens. The kit fox were monitored and structures that were attracting them to the site were removed. See special status species section below for more detail.

- General Construction Monitoring

- Monitored Plant Site – In addition to storm repair monitoring identified above, general site activities including powerblock one and two construction, caisson drilling and construction, permanent fence construction, permanent administration building construction, rerouted wash construction, and laydown yard activities were monitored. Ongoing night time work was also monitored. No desert tortoise, American badger, western burrowing owls, or nesting birds were found during monitoring of Plant Site Activities. Monitored the Access Road for roadkill and vehicle compliance. Roadkill was removed from the road and disposed of in accordance with agency approved methods (i.e., burial). One Mojave Fringe-toed Lizard mortality was recorded and one live American Badger was observed along the access road. No other special status species road kill was recorded or found during the month of August along or on the Access Road. The majority of vehicles observed obeyed speed limits. Speeding vehicles were reported to the Environmental Compliance Manager and/or construction manager. Drivers observed speeding were immediately reminded to follow posted speed limits by contractors and speed limits were reiterated in daily tailgate briefings. Night time and day time hours were adjusted; 6:00 a.m. to 8:00 p.m. was the time period for the daytime speed limit. Civil twilight (dawn and dusk) were used as guidelines.
- Dust suppression activities and water activities that had potential to result in ponding water were monitored. The DB and Biological Monitor(s) patrolled areas daily to verify that ponding water was minimized and that water was spread and mixed with soil to prevent raven and other predator attraction. Ponding water was observed associated with water tanks and a water truck between August 27 and August 29. Reports of standing water were followed up on by investigating and notification to contractor personnel within one hour. Follow-up monitoring verified that ponding water issues were resolved promptly each day. A water truck with excessive water leaking was identified and promptly removed from service on August 29.
- In accordance with conditions, if reportable spills occurred, contaminated soils from spills and drips were reported to DB and cleaned up. The contaminated soil is removed from site by Evergreen Environmental Services to be disposed of at a licensed facility. No reportable spills occurred during the August reporting period.

- Exclusion Fence Monitoring

- The temporary exclusion fence was damaged during the July 31, 2012 rain event. Fencing along approximately 2.6 miles of the approximately 8.7 mile perimeter was damaged by the storm. The breaches were monitored daily and surrounding areas were surveyed for desert tortoise until repairs were complete. No desert tortoises were detected during monitoring or survey efforts. The repairs were made within an approved 12-foot buffer outside the fence on the south, east and north perimeters. The west side repairs were accomplished by moving the fence into the Plant Site by approximately two feet to avoid the ESA area immediately to the west during repair work. The repairs were made using 1-inch by 2-inch galvanized 3-foot fence (buried 12 inches). Silt fence was used temporarily in areas that where the soil was too soft to construct the wire mesh fence. The silt fence was replaced with the galvanized fence as soon as soil conditions allowed. Exclusion fence repairs were completed on August 8, 2012.
- The temporary tortoise exclusion fence was inspected daily following the rain event to identify areas for repair, to inspect completed repairs, and to verify no desert tortoises were present during this work. Areas that required additional repairs following the reinstallation were repaired when areas of concern were noted. Following the completion of fence repairs, the temporary tortoise exclusion fence was inspected on a weekly basis.
- The tortoise grate at the Plant Site entry from the access road was also inspected on a daily basis and maintenance (e.g., removal of soil build-up) was performed if necessary. The tortoise grate was intact prior to the July 31, 2012 rain event. The tortoise grate was removed as part of the road repair construction activities. The tortoise grate was replaced August 5. The proximate area was monitored and surveyed for desert tortoise daily until repairs were complete. No desert tortoises were detected.

- Raven Monitoring

- Monitors performed daily recording during general construction monitoring for incidental raven observations and associated activity. Ravens were typically observed flying over the common area and seeking food in recently scraped areas.

- Biweekly point count surveys were performed in accordance with the conditions. One raven was observed during the bi-weekly raven point count surveys in August (August 8 and August 21). Biweekly raven counts will continue to be performed. No raven nesting sites have been observed. Potential subsidies (i.e., possible nesting, ponded water, roadkill) were monitored per the Raven Plan.

- Monitoring of ESAs
 - All biological ESAs are outside of the tortoise exclusionary fencing. ESAs along access road were confirmed to be marked and avoided.
 - All construction activities, with the exception of fence repairs, occurred within the Plant Site. Repairs of the temporary tortoise exclusion fencing required a variance (Attachment 5) and repairs occurred in a buffer within the ESAs.

- Special Status Species Surveys and Monitoring
 - American Badger – A live American badger was observed along the access road. A Wildlife Incident Form was completed and distributed to the regulatory agencies.
 - Couch’s Spadefoot Toad – Two Couch’s Spadefoot Toads (CST) were found following the July 31, 2012 rain event in the drainage channel pond located at the southeast corner of Unit 2. The CST were captured and relocated to similar habitat at Ford Dry Lake. Additional CST surveys were completed during the evenings, until ponded water was no longer present, by listening for vocalizations, looking for eyeshine and searching for tracks along the edges of ponded features. A separate report was prepared summarizing the monitoring and relocation efforts and was submitted to the agencies on August 17, 2012 (Attachment 4)
 - Desert Kit Fox monitoring with cameras and telemetry was conducted on behalf of agencies. This monitoring effort is in support of a CDFG and BLM study and is not part of the Project monitoring requirements; therefore, data and information from these monitoring efforts are not reported further in the MCR.
 - One pair of kit foxes was observed on site between August 7 and August 17. The foxes were in the area of Powerblock 1 and were monitored when on site.

The male was observed entering pipes in the powerblock area. The male was encouraged to leave the Plant Site by approaching the animal and leaving the desired path of egress clear. The kit fox left without incident. The pipes were subsequently capped in this area. Monitoring continued at this location using telemetry and visual observations.

- Mojave Fringe-toed Lizard – A Mojave Fringe-toed Lizard was found dead on the Project Access Road. A Wildlife Incident Form was completed and distributed. The lizard was buried off site.
- Sensitive Plant Species – Desert unicorn plant, (*Proboscidea althaeifolia*) was observed on August 23, 2012 outside of the project disturbance area, along the temporary exclusion fence south of Unit 2, during desert tortoise exclusion fence inspections (Attachment 1). The plants will be avoided.

SURVEY METHODS AND RESULTS

Preconstruction surveys have been completed and the GSEP site is in the construction phase. Surveys conducted during construction per the COCs are summarized below and include nesting birds (as-needed), raven monitoring, and golden eagle surveys. Survey methods and results for activities conducted during August 2012 are summarized below.

Nesting Bird Surveys

No nesting bird surveys were required or conducted during the August 2012 reporting period.

Raven Surveys.

Raven observations were recorded daily during construction activities and were recorded on the Daily Monitoring Log. Monitoring focused on potential subsidies such as waste disposal areas and staged equipment. There were approximately 140 incidental raven sightings during 25 monitoring days. The average number of incidental sightings is approximately 5 to 6 ravens per day.

Formal raven monitoring in accordance with the COCs consisted of monthly and bi-weekly surveys per the Raven Plan. There are seven raven monitoring point locations (Attachment 1). Ravens recorded are within an 800m radius. Zero ravens were observed during the August 8 survey and one raven was observed during the August 21 survey. Two ravens were observed during the previous monthly raven count surveys.

WEED AND ESA MONITORING

Scattered individual Saharan mustard (*Brassica tournefortii*) plants were documented within the Plant Site and access road. Weed densities are well below ambient levels on surrounding lands. Spot treatment within permanent and temporary disturbance areas was recommended in accordance with the Weed Management Plan; however, chemical treatment cannot occur until BLM approval is obtained. A Pesticide Use Proposal (PUP) was prepared for submittal to the BLM for authorization to apply herbicide to these areas. However, additional NEPA analysis was determined by the BLM to be necessary for application of herbicides at the project site. The NEPA analysis (Environmental Assessment) for the BLM PUP was submitted to BLM on May 14, 2012. A treatment plan prepared in accordance with the Weed Management Plan will be ready for implementation in fall 2012 pending BLM approval of the PUP if weeds are present in disturbance areas at that time.

It is understood that ESA monitoring by the Designated Botanist (Alice Karl) occurred weekly during construction activities. Based on DB and BM observations during daily access to the site, no encroachment from construction vehicles or personnel occurred.

WORKER ENVIRONMENTAL AWARENESS PROGRAM (WEAP)

As required by COC BIO-6, all new employees/field staff reporting to the site must receive the Worker Environmental Awareness Program (WEAP) training prior to start of work. All personnel reporting to the field in August received WEAP training. WEAP training records are maintained onsite by the site Environmental Compliance Manager.

GENERAL DAILY NOTES AND OBSERVATIONS

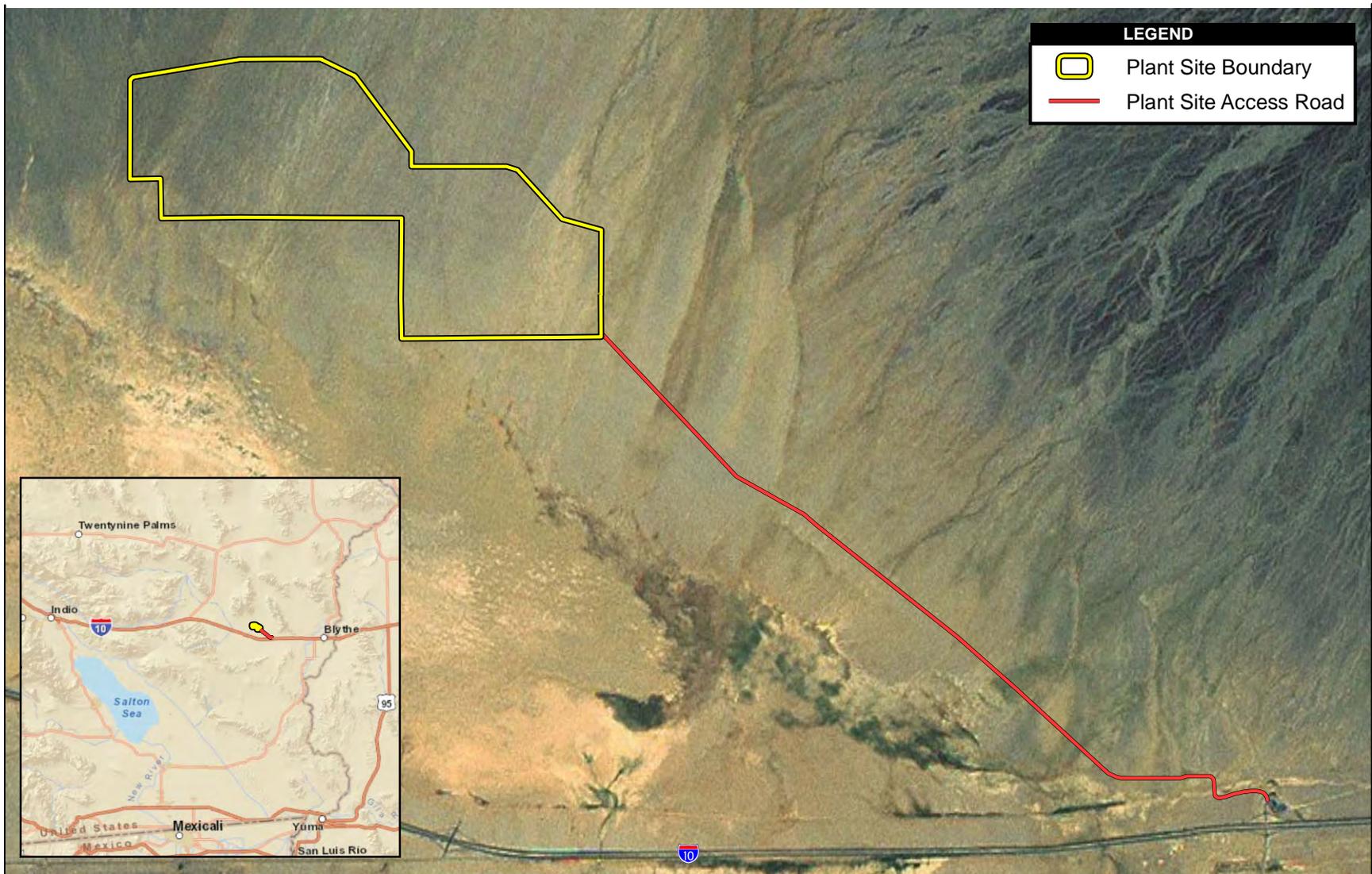
Daily notes detailing compliance monitoring activities are provided in the forms attached (Attachments 3 and 4).

REFERENCES

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

ATTACHMENT 1

FIGURES



LEGEND

-  Plant Site Boundary
-  Plant Site Access Road



Source: GSEP 2012; AECOM 2012; i-cubed 2010; ESRI 2012



2,000 0 2,000 Feet

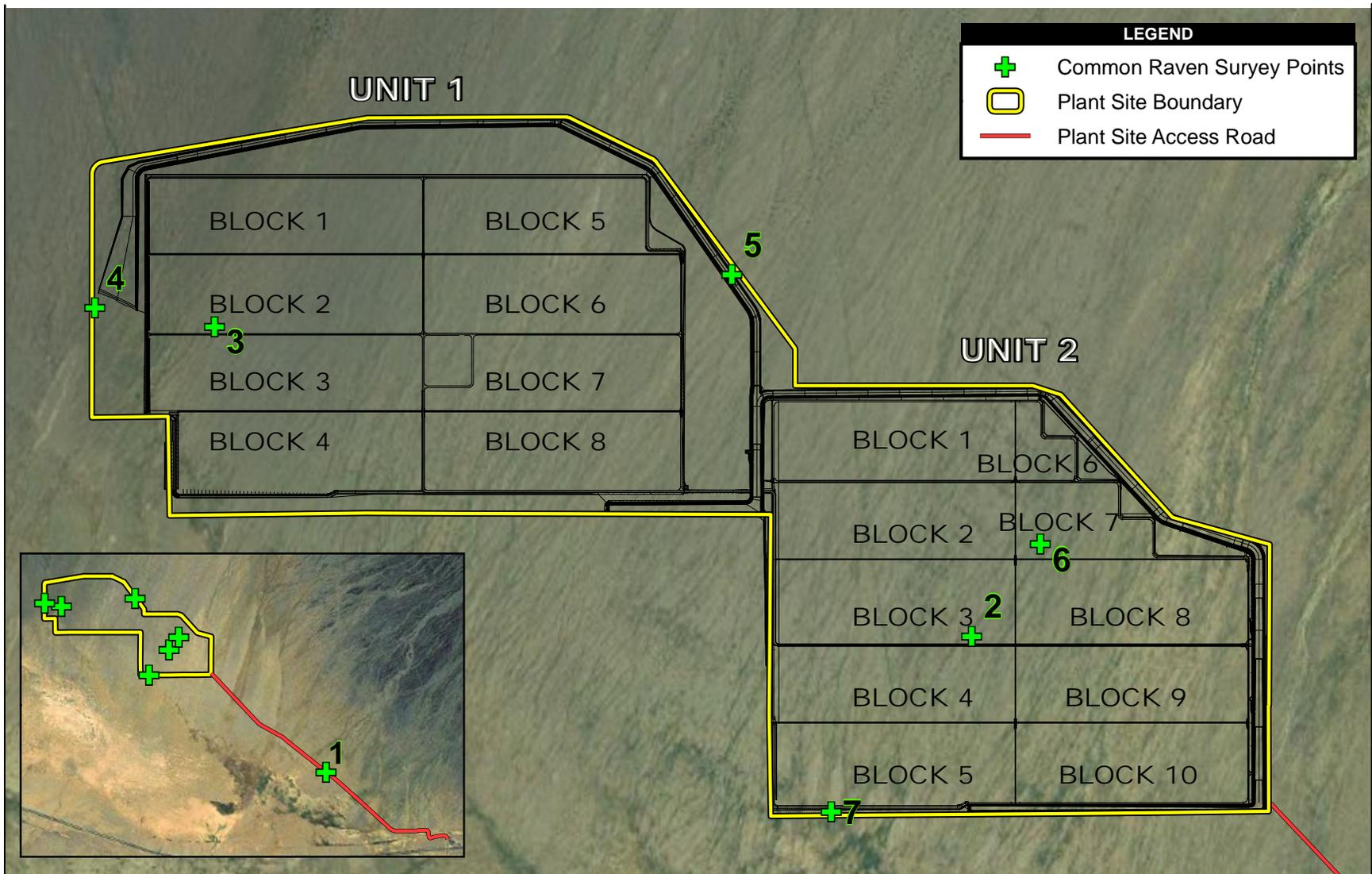


Scale: 1:24,000; 1 inch = 2,000 feet

**Genesis Solar Energy Project
Vicinity Map**

Genesis Solar Energy Project

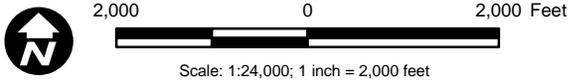
Path: P:\2011\60220713\06GIS\6.3_Layout\Bio\MCR\2012\3 - March\Project Site 20120412.mxd, 4/12/2012, irelandm



LEGEND

- + Common Raven Survey Points
- Plant Site Boundary
- Plant Site Access Road

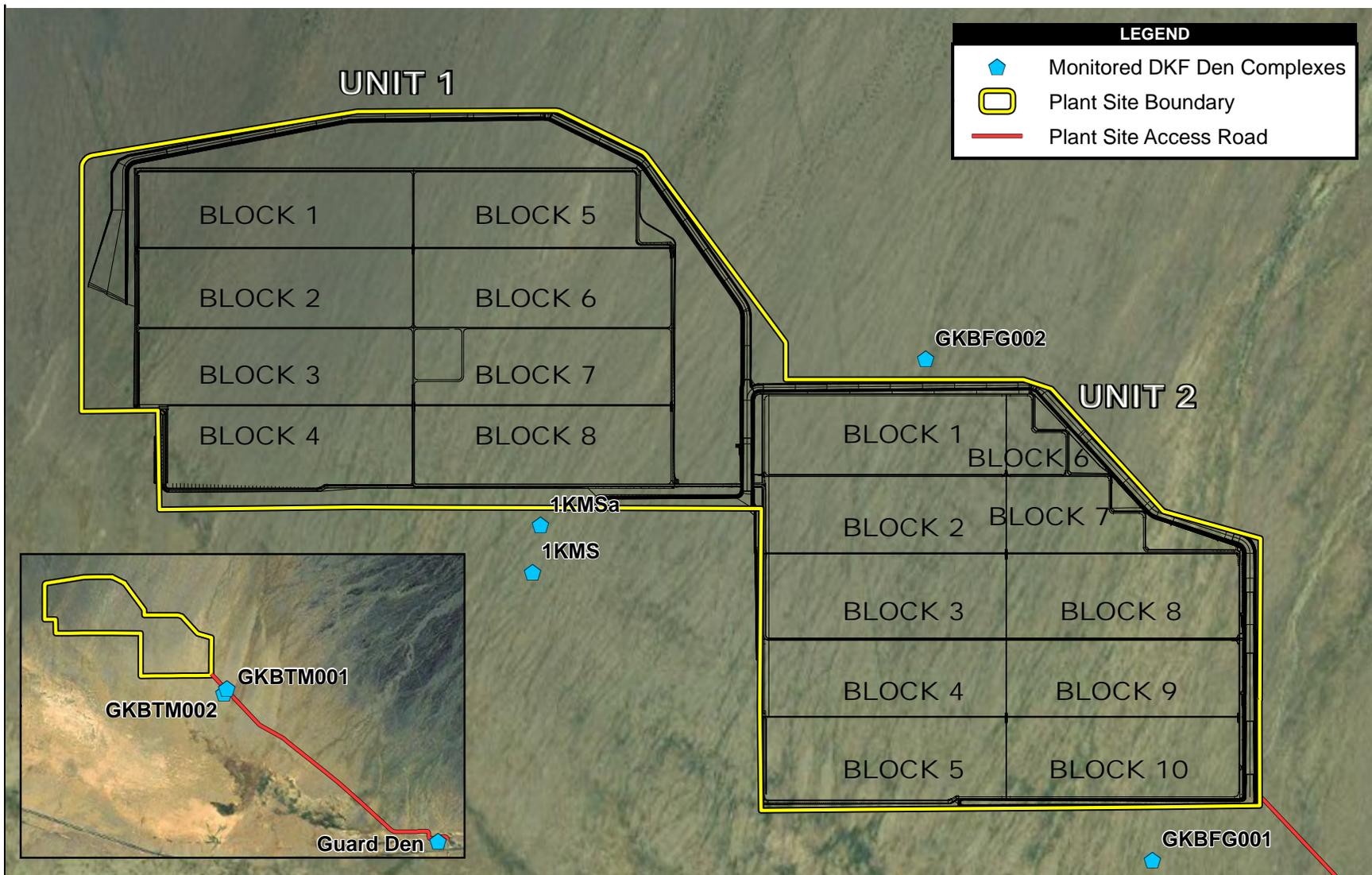
Source: GSEP 2012; AECOM 2012; i-cubed 2010



**Common Raven
Survey Points**

Genesis Solar Energy Project

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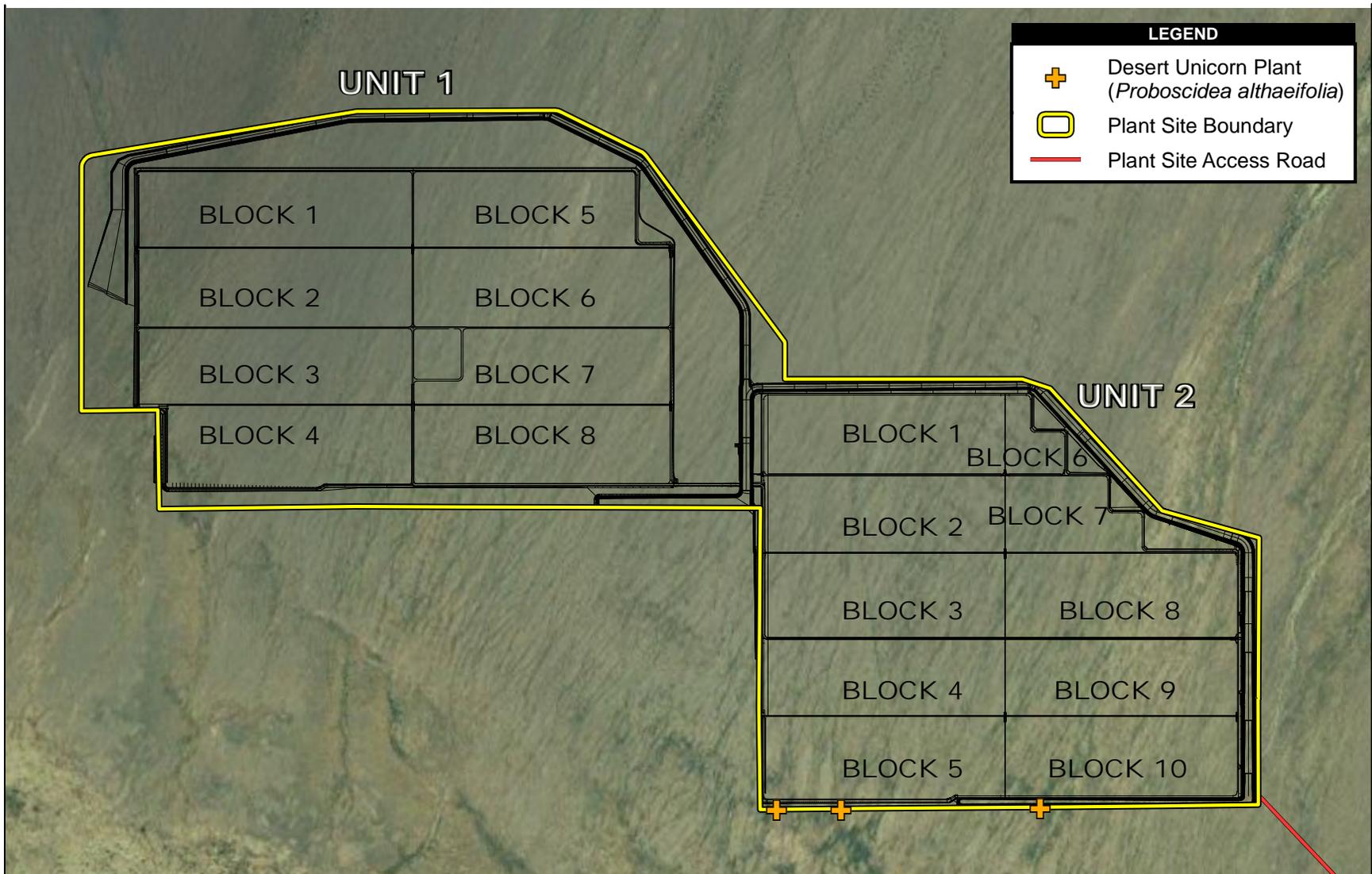
Source: GSEP 2012; AECOM 2012; i-cubed 2010



Genesis Solar Energy Project

August 2012 DKF Den Complexes Monitored by Camera Stations and Periodic Biological Monitor Visits

Path: P:\2011\60220713\06GIS\6.3_Layout\Bio\MCR\2012\08 - August\DKF Camera Complexes 20120904.mxd, 9/4/2012, irelandm



ATTACHMENT 2

**SPECIES OBSERVED DURING AUGUST
SURVEYS AND MONITORING**

SPECIES OBSERVED DURING AUGUST SURVEYS AND MONITORING

Animals:

Antelope Ground Squirrel
Coyote
Desert Kit Fox
Kangaroo Rat
Round-tailed Ground Squirrel
Unknown Bat

Birds:

Ash-throated Flycatcher
Black Phoebe
Brewer's Blackbird
Bronzed Cowbird
Brown Pelican
Cattle Egret
Cliff Swallow
Great Blue Heron
Great Egret
Gull
Horned Lark
Killdeer
Lesser Nighthawk
Lesser Yellowlegs
Loggerhead Shrike
Mourning Dove
Prairie Falcon
Say's Phoebe
Snowy Plover
Spotted Sandpiper
Raven
Red-tailed Hawk
Turkey Vulture
Western Kingbird
Western Sandpiper
White-faced Ibis
White-throated Swift
Yellow Headed Blackbird

Reptiles:

Couch's Spadefoot Toad
Coachwhip Snake
Desert Banded Gecko
Desert Horned Lizard
Desert Iguana
Glossy Snake
Leopard Lizard
Mojave Fringe-Toed Lizard
Side-blotched Lizard
Sidewinder Rattlesnake
Western Diamondback Rattlesnake
Western Shovel-nosed Snake
Whiptail Lizard
Zebra-tailed Lizard

ATTACHMENT 3

DAILY BIOLOGICAL MONITORING LOGS

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/1/2012

Monitor: Andrew Fisher
 Other (note) night time survey. Full moon, very bright., Clouds: 0%, Pcp:
 Weather Conditions: None
 High Temp (°F): 102 Low Temp (°F): 93

Start Time: 7:00:00 PM Stop Time: 11:30:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: At 1900, I captured the Couch's spadefoot that was under a culvert in the drainage canal by the main gate in the southeast corner of unit 2. I then patrolled the ponds along the main access road to look for any other toads and to listen for their calls. I also used a flashlight to look for eye shine and any toads perched at the edge of any pools. None were observed. At 2000 I drove with the toad to look for appropriate release locations. No suitable ponds far enough away from the main access road were observed, therefore I drove to the borrow pit located on the south side of interstate 10 on the west side of Wiley's Well road as specified in the Couch's Spadefoot Toad Protection and Mitigation Plan. The borrow pit did not appear to have any water in it and it was fenced off. Therefore I drove to Ford Dry Lake and walked out to the southeast edge of the lake to an area with lots of water. I released the toad at this location where there was suitable native cover, sandy soils, and a deep pool. After that I returned to the car and left the lake. There was a very bright full moon the entire survey and no toads were heard calling.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.			X	N/A
Tortoise exclusionary fence and/or ramps intact?		X		N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/1/2012

Monitor: Eric German
 Weather Conditions: Cloudy, Clouds: 50%, Pcp: None
 High Temp (°F): 92 Low Temp (°F): 81

Start Time: 5:45:00 AM Stop Time: 8:00:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0550 inspect equipment and clear area of se corner of unit 2 for road maintenance.
 0600 possible couch's spadefoot toad heard. Confirmed with photos and vocalization.
 0730 monitor access road including mud removal.
 0930 Inspect site and unit 1. Fence down along sections of perimeter.
 1100 meeting discussed fence and enclosure plans
 1115 monitor access road. Including mud removal.
 1245 talked with project proponent contract lead. Recommended the use of silt fence.
 1400 monitor fence crew. Confirmed with BLM rep allowable equipment. Cleared all areas prior to work. Activities remained proximate to fence line.
 1630 notified compliance of blown over toilet.
 1745 inspected access road. No findings.
 1845 assisted with toad capture.
 1945 inspected access. No findings.

Monitor Checklist

General	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Workspace limits verified and properly marked?	X			Fence repair is occurring along temporary fence. Activity was monitored. Not marked
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?		X		Many signs in place. Others need replacement. Will be on going.
Trash and debris contained and disposed of in proper manner?		X		N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?		X		Some persons do not have stickers on hard hat.
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.	X			Couch's Spadefoot toad. WIDF to be completed.
Tortoise exclusionary fence and/or ramps intact?		X		Repairs are in progress.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			6 ravens: perching, flying, foraging.
All ESAs and other bio-related exclusion areas marked and avoided?	X			Biological resources appeared to avoided. Some ESAs pushed back (buffer area) for fence repair.

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/1/2012

Monitor: Gregg Lukasek
 Weather Conditions: Partly Sunny, Clouds: 40%, Pcp: None
 High Temp (°F): 95 Low Temp (°F): 79

Start Time: 5:15:00 AM Stop Time: 2:05:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 5:15am safety meeting with bios and plan for the day.
 6:15am began walking the exclusionary fence marking damage on map and taking GPS points.
 8:00am switched camera cards at GKBF002.
 9:50am finished mapping downed exclusionary fence and holes starting from tortoise grate and ending at northwest corner of fence.
 10:30am checked and mapped downed fence along western section of unit one.
 11:15am monitored crew working on exclusionary fence near tortoise grate.
 11:50am began walking the fence line starting from tortoise grate and ending in southwest corner of unit one.
 Mapped where fence was down and took gaps points.
 1:35pm finished checking fence.
 2:05pm off site.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?			X	N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?		X		A worker from Crowne fence had no WEAP sticker.
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?			X	N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?		X		Fence damaged by rain and flooding
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			2
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/1/2012

Monitor: Shelly Dayman
 Weather Conditions: Cloudy, Clouds: 85%, Pcp: None
 High Temp (°F): 95 Low Temp (°F): 79

Start Time: 6:40:00 AM Stop Time: 2:00:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0640 access road, rain event yesterday washed away some of the stockpiled topsoil along access road, ponding extends over access road in several areas, couch's spadefoot within plant site at SE corner of unit 2, DT fence down (about 50% of site) and downed areas being GPSed
 0700 office to determine if silt fencing can function as temp DT barrier until galvanized can be installed, read BM minimization measures for Couch's spadefoot, determined that area to be avoided is well defined in field and temporary staking not necessary
 0745 surveyed outside (downed) DT fence area in south central portion of unit 1 where construction materials had been washed into desert. Some hazardous waste in materials (oil drum and gas can), buried drowned KRat
 0815 gave bio awareness training for outside the fence work, asked that buggies avoid vegetation when collecting trash, walked area between site and Ford Dry Lake looking for debris, observed some kit fox tracks near Ford Dry Lake
 100 monitored fencing crew on east side, ravens in vicinity
 145 access road check, loader clearing soil off road, BM sent to monitor, no road kill observed

Monitor Checklist

General	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Workspace limits verified and properly marked?	X			DT fence down on about 50% of site
All activities within approved workspace limits?	X			Work outside DT fence conducted with variance
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			May need some replacing
Trash and debris contained and disposed of in proper manner?		X		Debris both on and off site after heavy rains
Topsoil segregated properly?	X			A lot of topsoil lost during rain event
Topsoil segregation barriers maintained?	X			May need some replacing
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?		X		Fence knocked down by flooding from rain
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			Pair on east side of Unit 2
All ESAs and other bio-related exclusion areas marked and avoided?	X			May need some replacements

Additional Notes: Western whiptail, MFTL, Dipodomys deserti (dead), CORA

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/1/2012

Monitor: Vick Germany
 Weather Conditions: Partly Sunny, Clouds: 40%, Pcp: None
 High Temp (°F): 97 Low Temp (°F): 79

Start Time: 6:00:00 AM Stop Time: 7:30:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: Plant Site Access Road Gas Line Transmission Line Other (explain)

Activity Log: 6:00 access gate at entrance to plant site a large pond was formed from yesterday's flooding. A Couch's spadefoot was heard calling and was observed by Eric, Gregg, myself and BLM.
 6:30 checked equipment and work area for desert tortoise. None observed.
 7:00 monitoring toad, which moved into the third culvert from the east.
 7:35 flock of Brewer's blackbirds flew from the plant site heading south.
 9:25 turkey vulture flying south of plant site.
 11:35 turkey vulture soaring over the southern half of Unit 2.
 12:00 - 12:30 lunch
 12:35 checked culvert for toad but could not see it. Only the one set of tracks are visible. Checked both ends of the culvert periodically the rest of the day.
 1:00 spotted 2 ravens on the ground in the undisturbed area about 200+ feet from the paved access road on the east side. One raven flew off after a few minutes and the other one about 1:10. Walked over to area and took a few photos.
 2:00 turkey vulture soaring southeast out over undisturbed area.
 2:20 last rock delivery for the day. Dozer smoothing out access road.
 3:25 dozer stopped working on the access road and drove into plant site. Started monitoring east fence installation.
 3:35 turkey vulture soaring over south half of Unit 2.
 3:40 2 ravens flying from north to south.
 4:10 turkey vulture soaring over undisturbed area south of Unit 2.
 6:00 heard a killdeer call. Crew left the site at this time,
 6 - 7 waited for Andrew who was coming to assist w/toad capture,
 7:00 noticed killdeer tracks & saw bird.
 7:30 - helped Andrew to capture toad.
 7:40 observed a juvenile red-tailed hawk several hundred feet away east of the access road.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.	X			Couch's spadefoot toad
Tortoise exclusionary fence and/or ramps intact?		X		Flood washed the eastern and northern part of the fence away.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			See Activity Log
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Brewer's blackbirds, turkey vulture, ravens, killdeer, Couch's spadefoot toad, immature red-tailed hawk

Date & Time: Wed Aug 1 07:51:50 PDT 2012
Position: 11 N 685195 3726683
Altitude: 358ft
Azimuth/Bearing: 215° S35W 3822mils (True)
Elevation Angle: -18.3°
Horizon Angle: +03.7°
Zoom: 1X
unit 1 south of dt fence after rains



Date & Time: Wed Aug 1 08:20:55 PDT 2012
Position: 11 N 685009 3726447
Altitude: 354ft
Azimuth/Bearing: 223° S43W 3964mils (True)
Elevation Angle: -07.2°
Horizon Angle: +04.7°
Zoom: 1X
1kms after rain event



Date & Time: Wed Aug 1 09:44:28 PDT 2012
Position: 11 N 687906 3725659
Altitude: 335ft
Azimuth/Bearing: 026° N26E 0462mils (True)
Elevation Angle: -70.2°
Horizon Angle: -32.4°
Zoom: 1X
spadefoot prints



Date & Time: Wed Aug 1 07:53:41 PDT 2012
Position: 11 N 686613 3727227
Altitude: 377ft
Azimuth/Bearing: 260° S80W 4622mils (True)
Elevation Angle: -25.3°
Horizon Angle: -03.2°
Zoom: 4X
leopard lizard eating zebra tailed lizard



Date & Time: Wed Aug 1 08:57:42 PDT 2012
Position: 11 N 685256 3728202
Altitude: 381ft
Azimuth/Bearing: 313° N47W 5561mils (True)
Elevation Angle: -75.8°
Horizon Angle: -03.9°
Zoom: 4X
dead western banded gecko



Date & Time: Wed Aug 1 12:38:09 PDT 2012
Position: 11 N 685913 3725543
Altitude: 322ft
Azimuth/Bearing: 059° N59E 1049mils (True)
Elevation Angle: +09.2°
Horizon Angle: -00.5°
Zoom: 1X
flooding



Date & Time: Wed Aug 1 15:57:31 PDT 2012
Position: 11 N 685924 3725537
Altitude: 335ft
Azimuth/Bearing: 281° N79W 4996mils (True)
Elevation Angle: -12.6°
Horizon Angle: -01.4°
Zoom: 2X
unit 2 draining.



Date & Time: Wed Aug 1 17:28:32 PDT 2012
Position: 11 N 687649 3726686
Altitude: 282ft
Azimuth/Bearing: 105° S75E 1887mils (True)
Elevation Angle: -05.3°
Horizon Angle: -05.5°
Zoom: 1X
fence repair.





Date & Time: Wed Aug 1 15:57:31 PDT 2012
Position: 11 N 685924 3725537
Altitude: 335ft
Azimuth/Bearing: 281° N79W 4996mils (True)
Elevation Angle: -12.6°
Horizon Angle: -01.4°
Zoom: 2X
unit 2 draining



Date & Time: Wed Aug 1 19:16:20 PDT 2012
Position: 11 N 687906 3725673
Altitude: 315ft
Azimuth/Bearing: 290° N70W 5156mils (True)
Elevation Angle: -61.9°
Horizon Angle: +09.0°
Zoom: 1X
couch's spade foot toad



Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/2/2012

Monitor: Andrew Fisher
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 94 Low Temp (°F): 82

Start Time: 7:00:00 AM Stop Time: 11:16:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: At 0700 while driving the main access road, the biologist checked for roadkill and none was noted. The biologist checked the ponds along the road by slowly driving past them to look and listen for Couch's spadefoot toads and none were detected. At 0730 the biologist walked the length of the southern channel of unit 2 to look for and spadefoot tracks and listen for any vocalizing male toads. None were observed or heard.

At 0900 the biologist checked the main road crossings where they cross a drainage channel to look for toads in the culverts. None were observed. Any other pools or ponds were checked for toads.

At 1230 the biologist drove around the entire project site to look for ponding. Any ponds discovered will have an evening check for spadefoot toads later this evening around 1930.

Left site at 1430 to rest up before night check. At 1930 met up with other biologist to check all ponded areas and borrow pit south of interstate 10 on west side of Wiley's Well Road. No Couch's spadefoot toads were observed onsite in any of the ponds and none were observed at the borrow pit. See Mike Irelands monitoring log for additional information. There was a large pool of a few inches (4-8) deep and a few hundred feet long in the borrow pit. The pool had clam shrimp, fairy shrimp, and tadpole shrimp but no spadefoot toads. Departed the site at 2316.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?		X		Monitored the main entry and exit road in the southeast corner of unit 2 where the DETO fence has been blown out.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			At 1100 two ravens observed in unit 2 along the southeast drainage channel. They appeared to be drinking water in the channel
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Additional birds observed: spotted sandpiper, Say's phoebe, western sandpiper, killdeer, brewers blackbird, female yellow-headed blackbird.

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/2/2012

Monitor: Eric German
 Weather Conditions: Partly Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 98 Low Temp (°F): 81

Start Time: 5:30:00 AM Stop Time: 6:45:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0530 arrive on site inspect access Road. Listened for toads. No findings.
 0545 inspect channel for toads and preconstruction clear. Listened and searched for tracks No findings.
 0630 road repair crew arrive. Monitor fill of road. No issues.
 0730 informed that crew was using buggies for fence construction. Informed contractor to contact contract lead for clarification. Compliance team contacted me re buggy usage. Recommended contacting BLM rep for clarification. Rep was contacted. Went to fence install to clarify activities. Learned at that time that small tracked vehicle variance only applied to garbage clean up and not fence. Activities shut down until a plan could be submitted to BLM. 0820 fencing activities shut down.
 0930 notified of large wheeled vehicle stuck at garbage clean up area. Instructed bio to have that piece of equip stop until it could be investigated. Investigated the forklift was allowed to use forks to free itself. Unstuck nicely.
 11:00 meeting
 12:00 Informed that fencing plan was approved. Confirmed with BLM. Fencing activities resumed.
 1300 inspected fencing activities and captured western shovel nosed snake and released. Gave copies of fencing plan to bios.
 1310 offered paper copy of approval to fence foreman, he declined to take it.
 1345 monitored road repair.
 1400 meeting.
 1500 office. Spoke with project lead regarding access road speed limits and times. Time to be adjusted.
 1830 inspect access road. No findings.
 1845 offsite.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?		X		Areas defined in plan. And were verified. Plan approved. Beginning of day activities.
All activities within approved workspace limits?			X	Areas defined in plan. And were verified. Plan approved. Beginning of day activities.
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			Some signage needs replacing.
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			Observed crews were wearing
Speed limit observed by all project personnel?		X		Reported to compliance
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?		X		Fence is being repaired.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			7 perched flying foraging.
All ESAs and other bio-related exclusion areas marked and avoided?		X		Fence plan developed. All activities in compliance after plan developed. Activities occurred outside of fence

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/2/2012

Monitor: Gregg Lukasek
 Weather Conditions: Sunny, Clouds: 15%, Pcp: None
 High Temp (°F): 102 Low Temp (°F): 82

Start Time: 5:00:00 AM Stop Time: 5:30:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 4:40am observed truck speeding on access road doing 45 mph and at least 35 mph in plant site on access road. Driver was Chris Toms from Sukut. Driving a white four door Chevy truck. License plate 7W09128.
 5:00am attended Crowne fence morning meeting. Spoke with foreman about their guys not having WEAP stickers on hard hat. He said that Gary ran out of stickers and his guys have all had safety training and seen the WEAP video. He said 4 of his guys do not have WEAP stickers. I asked him to contact Gary to get stickers as soon as possible.
 5:30am surveyed and cleared the area Crowne is working and cleared their equipment.
 7:00am removed a scorpion from power block two. Shelly Dayman relocated the scorpion to safety.
 07:30am monitored construction near channel where new road was being constructed. Andrew Fisher took over.
 7:35am went to northeast section where Crowne was working on fence.
 8:20am Crowne fence was shut down by BLM.
 9:30am relieved Shelly monitoring construction on the south side of unit one.
 10:45am began doing kit fox telemetry and wildlife camera card changes.
 11:45am removed sidewinder from north side of fence where fence repair work being done. Relocated it to a safe location.
 12:30pm arrived at fence north of unit two to monitor fence repair.
 1:10pm removed a sidewinder from work area and relocated it.
 2:00pm fence crew finished working the northern section. Moved to southwest part of fence in unit two.
 4:30pm fence crew finished southwestern section of unit two.
 4:40pm relocated with fence crew to damaged fence south of unit one.
 5:05pm Crowne fence stopped work for the day.
 5:30pm off site

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?			X	N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?		X		Crowne has 4 workers without stickers.
Speed limit observed by all project personnel?		X		Reported to DB, who reported to compliance
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?		X		Fence still down.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			4
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/2/2012

Monitor: Mike Ireland
 Weather Conditions: Sunny, Clouds: 20%, Pcp: None
 High Temp (°F): 101 Low Temp (°F): 94

Start Time: 7:15:00 PM Stop Time: 11:15:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 19:30 Couch's Spadefoot Toad ponding water survey at plant site and access road. 22:30 Couch's Spadefoot Toad ponding water survey at historic occurrence site along Wiley's well road south of I-10.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	Site in disarray after storm.
Topsoil segregation barriers maintained?			X	Site in disarray after storm.
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?			X	Storm damage repairs in progress.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/2/2012

Monitor: Shelly Dayman
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 105 Low Temp (°F): 89

Start Time: 7:00:00 AM Stop Time: 5:00:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0700 access road, no roadkill, some ponding still present on north side of road
 0730 biomonitoring of outside fence cleanup at sedimentation pond
 0800 fresh DKF tracks at 1KMS but no digging, put up orange flagging around den for avoidance, released scorpion
 forklift got stuck, discussed best course of action with bureau veritas and forklift used forks to get unstuck,
 recommended bobcat with forks for removing other pipes to reduce tracks in desert, all tracks from equipment and
 buggies must be removed by hand as restoration
 0945 to office to discuss DT fence installation shut down, will be resumed after restoration plan completed
 1035 resumed monitoring of outside the fence clean up at sedimentation pond
 1200 clean up crew removed large pipes by dragging behind buggy, emailed hazmat oil filter with oil spill photo to
 Jenny Gavaldon, inside fence
 200 outside fence cleanup completed
 215 monitored earth work at site entrance
 0440 drove access road, no roadkill noted

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			As much as possible
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?		X		Many were lost in storm
Trash and debris contained and disposed of in proper manner?	X			Trash from storm being removed
Topsoil segregated properly?		X		Some lost from storm runoff
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?		X		Repairs being worked on
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.			X	One flying south of sedimentation pond at unit 1, one soaring at site entrance
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: CORA, scorpion, whiptail

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/2/2012

Monitor: Vick Germany
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 102 Low Temp (°F): 84

Start Time: 5:00:00 AM Stop Time: 5:00:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 5:00 checked equipment for fence repair, walked section of fence (Greg walked the other part) and began monitoring desert tortoise fence repair. Saw a zebra-tailed lizard on the outside of fence, but it ran through the fence mesh and into the plant site.
 7:00 crew found a desert banded gecko along damaged fence. No photo because it took off when it was put on the ground about 200 ft away.
 7:05 crew found a dead horned lizard. Buried it about 200 ft away. Took photo.
 7:50 crew found a young kings snake in a creosote bush. Took photo and relocated snake about 200 ft away under a creosote bush.
 8:30 job shut down because of a miscommunication about what equipment can be used.
 9:00 crews started installing the fence into the trench that had been dug. All work by hand. No equipment is being used.
 9 - 10 not sure of exact time, saw a turkey vulture soaring to the northeast.
 9:25 loggerhead shrike landed in flood control channel & then flew to fence. It appeared to have something in its bill. Perched on desert tortoise fence for a couple of minutes and flew into a creosote bush (in undisturbed area) about 100 ft away. It landed low in the bush and was there for a minute before making its way up to the top of the bush and flew off.
 10:10 desert iguana moving between creosote bushes.
 11:15 crew discovered a sidewinder underneath the fence.
 11:45 Gregg captured snake. It was between 12 and 18 inches.
 11:55 crew left north fence & headed to south fence. Then came back again. Got approval to use equipment with a 12 ft buffer.
 12:30 - 1:00 lunch
 1:05 young rattlesnake under the old fence that had been left lying on the ground the last few hours.
 1:35 pair of ravens flying northeast from plant site to over undisturbed area.
 1:55 end work on north desert tortoise fence. Moving to south desert tortoise fence. Got to south side and was redirected to west side.
 2:35 at west side and a crew was already working. Gregg phoned Eric to let him know. Monitored fence repair and replacement.
 4:30 moved to a location in Unit 1 where the fence is buried in sediment. Crew did not perform any work.
 5:00 End work.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			See Activity Log
Only approved access roads utilized for ingress and egress?			X	N/A
Access road signs in place?			X	N/A
Trash and debris contained and disposed of in proper manner?			X	N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?		X		Some workers did not receive stickers
Speed limit observed by all project personnel?			X	Some drivers exceeded.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?			X	N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A

Tortoise exclusionary fence and/or ramps intact?		X		Fence is being repaired or replaced.
Any nesting birds observed? Note species (if known) and location.			X	N/A
Common Ravens Present? If yes, note number and activity.	X			Ser Activity log
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A
Additional Notes: Ravens, turkey vulture, zebra-tailed lizard, loggerhead shrike, desert banded gecko, horned lizard, Sidewinders, desert iguana, horned lizard				

Date & Time: Thu Aug 2 12:42:37 PDT 2012
Position: 11 N 687327 3726875
Altitude: 367ft
Azimuth/Bearing: 116° S64E 2062mils (True)
Elevation Angle: -33.4°
Horizon Angle: -01.7°
Zoom: 4X
desert iguana



Date & Time: Thu Aug 2 07:51:59 PDT 2012
Position: 11 N 685027 3726571
Altitude: 322ft
Azimuth/Bearing: 317° N43W 5686mils (True)
Elevation Angle: -82.8°
Horizon Angle: +68.6°
Zoom: 1X
scorpion



Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/3/2012

Monitor: Andrew Fisher
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 105 Low Temp (°F): 88

Start Time: 8:30:00 AM Stop Time: 12:34:00 AM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: At 0830 drove up main access road to look for roadkill. None observed. Then patrolled all major ponded features around site including sediment ponds, drainage canals, and large pools in solar blocks. No sign of toads. I swept the pool at the main entrance where the Couch's spadefoot was observed and no tadpoles were found in the pool. At 1000 I drove to west side of site and meandered through the CSAA to look for recent kit fox activity and none was observed. At 1200 I checked ponded areas for toad tracks and any bird species. At 1400 I departed the site to rest up before the evening toad survey. At 1930 I drove up the main access road and then starting with the west side of unit 1 I checked each ponded area by listening and shining a high-powered focused beam flashlight to look for spadefoot toads. I went from pool to pool and checked all the drainage crossings looking and listening for toads. At 2030 as I was checking the last pool which was the pool where the first Couch's spadefoot I noticed some eye shine at the edge of the pool. I used my binoculars to confirm that indeed there was an adult Couch's spadefoot by the edge of the pool. I retrieved a bucket and captured the toad. I then filled out a wildlife species detection form. I then walked upstream of the pool in the drainage channel to see if there were other toads upstream. None were found. I then drove down the main access road and looked at each pool along the access road to check for toads. None were found. I then drove to Ford Dry Lake and released the toad in the same vicinity of the first toad. Upon release the toad began to vocalize and I made several recordings of the calls to confirm that the toad was a male. In summary only one Couch's spadefoot was found this evening and successfully released.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		Some trash floating around after storm. Several plastic water bottles scattered throughout the site.
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.	X			CST
Tortoise exclusionary fence and/or ramps intact?		X		Fence is being repaired in several sections.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Additional bird species: white-faced ibis, spotted sandpiper, western kingbird, ash-throated flycatcher, yellow-headed blackbird, horned lake.

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/3/2012

Monitor: Eric German
 Weather Conditions: Partly Sunny, Clouds: 30%, Pcp: None
 High Temp (°F): 106 Low Temp (°F): 86

Start Time: 5:35:00 AM Stop Time: 6:00:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0535 inspect access road, listen for toads in puddled areas.
 0555 inspect channel and clear equipment and area (tortoise grate). No findings
 0620 crews arrived, monitor and continue to inspect se corner of unit 2 inside and outside fence.
 0915 front entrance monitoring taken over by other monitor.
 1025 informed that fence on west side is to be moved east 2 feet to allow room to work.
 1145 monitor se corner of unit
 2. Staking was placed to identify ROW. Activities included road maintenance and bridge prep for road improvement.
 Checked area inside and outside fence for DT. No findings. Monitored and surveyed at this location for remainder of day.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			ROW staking placed near se corner of unit 2. Site egress point.
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?		X		Need repair. To be discussed with compliance.
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			Vehicles observed appeared to be obeying speed limits.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?		X		Fence repairs are being made.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			3. Perched and flying.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: No couch's spadefoot toad sign during previous evening (surveys at plant site. Nor any sign observed today.

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/3/2012

Monitor: Gregg Lukasek
 Weather Conditions: Sunny, Clouds: 20%, Pcp: None
 High Temp (°F): 100 Low Temp (°F): 87

Start Time: 5:00:00 AM Stop Time: 5:00:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 5:00am morning meeting with crown fence.
 5:25am began monitoring fence repair on south side of unit one.
 5:35am oil spill was cleaned up and no longer in the way of the fence line work.
 5:45am did telemetry and changed the camera cards at 1KMS. Took photos of the filled in den.
 5:55am monitoring fence repair.
 8:15am crowned finished the southern fence repair in unit one.
 8:20am crowned moved to the western fence in unit one. Equipment and area was cleared.
 9:20am left crowned fence crew and started kit fox telemetry and camera card changes.
 12:30pm finished kit fox telemetry and camera card changes.
 12:45:pm in office downloading kit fox camera cards.
 1:15pm walking around unit one looking for tortoises that might have gotten into the project site while the fence was down.
 3:00pm monitored crowned crew install tortoise fence on west side of unit one.
 3:30pm moved with the crew to the northwest corner of unit one to clear and monitor fence installation.
 4:40pm crowned stopped work for the day.
 5:00pm off site

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?		X		Fence not fully repaired.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			2
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/3/2012

Monitor: Mike Ireland
 Weather Conditions: Partly Sunny, Clouds: 50%, Pcp: None
 High Temp (°F): 108 Low Temp (°F): 94

Start Time: 8:10:00 AM Stop Time: 3:10:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: DT exclusion fence repair monitoring.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	Storm cleanup in progress.
Topsoil segregation barriers maintained?			X	Storm cleanup in progress.
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?			X	Storm repairs in progress.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			2 in unit 1, block 4 pond.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: CLSW, CORA, WFIB, TUVU, banded gecko, VERD

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/3/2012

Monitor: Shelly Dayman
 Weather Conditions: Sunny, Clouds: 15%, Pcp: None
 High Temp (°F): 102 Low Temp (°F): 92

Start Time: 7:45:00 AM Stop Time: 4:45:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0745 access road check, no roadkill
 0815 office, discussed couch's with Jenny Gavaldon, sediment ponds should drain in 5 to 6 days which makes them potentially unsuitable to complete lifecycle
 0900 front gate and access road monitoring, fill brought in and grader built up road, walked areas inside and outside DT fence looking for DT found only DT bones
 0130 office to write DKF report and send out BM logs
 0445 access road check, no roadkill

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			Need some new signage on access road
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?		X		Not yet been replaced after storm
Trash and debris contained and disposed of in proper manner?		X		Cigarette butts prevalent on site
Topsoil segregated properly?		X		Some lost during storm
Topsoil segregation barriers maintained?		X		Need replacements after storm
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			Cleared area for grader at tort grate area
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?		X		Being repaired after storm
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			Two offsite, east of powerblock 2
All ESAs and other bio-related exclusion areas marked and avoided?		X		Signs need replacement after storm

Additional Notes: Desert iguana, TUVU, CORA, RTGS

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/3/2012

Monitor: Vick Germany
 Weather Conditions: Partly Sunny, Clouds: 40%, Pcp: None
 High Temp (°F): 108 Low Temp (°F): 84

Start Time: 5:00:00 AM Stop Time: 5:29:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 5:00 observed a kit fox running west to east across the access road not to far north of the Arizona Crossing. 5:15 cleared work area and equipment at the south end of Unit 2. 5:25 Brewer's blackbird flying north into plant site. 5:30 monitoring fence repair. 7:30 Three Brewer's blackbirds flying in the area of the offices. 7:40 Flock of Brewer's blackbirds towards Unit 2 from the undisturbed area. 8:20 finished repairing section of the south fence. 8:30 driving over to a section of fence in the western part of Unit 1, observed a white-faced ibis in flooded portion of Unit 1, Block 3. 8:50 a desert iguana was foraging in the creosote bushes within 15 of fence repair work. Stayed between it and the fence work. 20 min later it had moved 50 south of fence. 9:05 western kingbird flying from undisturbed area into Unit 1. 9:25 turkey vulture soaring over undisturbed area southwest of Unit 1. 10:00 finished repairing section of fence. Crew split into two groups. Mike went with the crew working on the western fence. I'm with a crew that is working on a different section of the western fence. 10:45 my crew finished working on section of fence and moved over to the section of fence where Mike is at. 11:00 - 12:00 one of the buggy drivers cut across the conservation area. Then he started back, but Mike was able to turn him around before he got too far in. 12:00 A young king snake popped up just after the dozer went by. Caught it and relocated it about 300 ft away in the undisturbed area. 12:15 checked flooded area in Unit 1 for the white-faced ibis and it was still there. 12:15 - 12:45 lunch 1:35 scorpion was in the dozer. Mike captured it and relocated it to the undisturbed area. 3:20 female cowbird & ash-throated flycatcher in an ironweed tree in the conservation area. Two western kingbirds flew out of the tree. 3:30 finished western section of fence. 3:45 began work on the northern section of the fence of Unit 1. 5:30 observed 2 ravens on a power pole about 800 feet from the access gate into the plant site.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			-
Only approved access roads utilized for ingress and egress?		X		Driver of a buggy went outside area.
Access road signs in place?			X	N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			-
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?		X		Work is to repair desert tortoise fence.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			See activity log.
All ESAs and other bio-related exclusion areas marked and avoided?		X		Permission from BLM to have equipment 12 from fence.

Additional Notes: White-faced ibis, kingsnake, ravens, Brewer's blackbirds, turkey vulture, western kingbirds, ash-throated fly catcher, scorpion, kit fox, desert iguana

Date & Time: Thu Aug 2 13:30:48 PDT 2012
Position: 11 N 687263 3726996
Altitude: 364ft
Azimuth/Bearing: 182° S02W 3236mils (True)
Elevation Angle: -77.5°
Horizon Angle: -13.4°
Zoom: 2X
shovel nose



Date & Time: Fri Aug 3 13:37:47 PDT 2012
Position: 11 N 683169 3727509
Altitude: 345ft
Azimuth/Bearing: 312° N48W 5547mils (True)
Elevation Angle: -68.6°
Horizon Angle: -06.5°
Zoom: 1X
relocated scorpion





Date & Time: Fri Aug 3 09:43:06 PDT 2012
Position: 11 N 886295 3725035
Altitude: 345ft
Azimuth/Bearing: 211° S31W 3751mils (True)
Elevation Angle: -33.7°
Horizon Angle: +02.7°
Zoom: 1X
gkbt-m002



Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/4/2012

Monitor: Eric German
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None
 High Temp (°F): 110 Low Temp (°F): 82

Start Time: 5:35:00 AM Stop Time: 4:50:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0535 inspect access road and listen at ponds for toads. No findings. 0555 Inspect se corner of unit 2 and pond by tortoise grate. 0600 discuss CST plan as it pertains to construction activities. 4.2. bullet 1. bullet 3, remove from harms way. Additional measures were taken to protect the CST construction area, silt fence installed. Continue inspection. No findings. 0620 discuss silt fence placement to allow work above pond. No water is flowing into pond. Silt fence installed to prevent egress of toad toward construction. 0620-1630 monitor se corner of unit 2 for DT ingress. No DT findings. 0730 spoke with contract lead COC requirement for 100% perimeter exclusion. 1300 surveyed for DT in GSEP BLM ROW area where tortoise crossing is to be installed. 1320 notified of scorpion in powerblock 2. Removed and relocated. 1400 resume survey for DT, se corner of unit 2. 1630 monitor access road. 1650 off site.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?		X		Repair and replacement of access road sign to be reinstalled.
Trash and debris contained and disposed of in proper manner?		X		Picked up litter.
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?		X		Fence repair is close to completion.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			3 perched on transmission line towers.
All ESAs and other bio-related exclusion areas marked and avoided?		X		ESA signage needs replaced. ESAs appear to have been avoided.

Additional Notes: 2130. (8/3/12) confirmed couch's spadefoot toad in same construction feature, channel as previous toad. Spadefoot captured and released.

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/4/2012

Monitor: Gregg Lukasek
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None
 High Temp (°F): 109 Low Temp (°F): 82

Start Time: 5:00:00 AM Stop Time: 4:00:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 5:00am meeting with Crowne fence
 5:20am cleared and monitored Crowne crew in unit one.
 7:20am removed western banded gecko from construction area.
 12:30pm crew finished working on northern fence.
 12:45pm moved to the southern fence.
 2:15pm crew finished fence work on the south section of unit two. There is a 20 foot gap between the silt fence and the previously existing fence. Photos were taken to document the incomplete fence.
 2:35pm spoke with Kyle from Crowne Fence and told him that the fence is not installed properly. He said that they ran out of silt fence. Je expects more silt fence to arrive on Monday (8/6/12) and then they will complete that section of fence.
 2:45pm monitored and cleared the area for fence installation at the entrance of the plant site.
 3:40pm fence crew finished for the day.
 4:00pm off site

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?		X		N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			4
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/4/2012

Monitor: Vick Germany
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 110 Low Temp (°F): 82

Start Time: 5:00:00 AM Stop Time: 6:30:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 5:15 checked underneath equipment. 5:30 began monitoring fence repair on the north side of Unit 1 at an earthen channel crossing. Crew going to northwest corner. 6:00 buried a K-rat that had been washed into the fence. 7:00 met Eric and gave him a bucket and net in case another toad is spotted. 7:50 two Brewer's blackbirds flew from plant site to undisturbed area. 7:55 caught a side-blotched lizard on rock side of fence and Gregg relocated it. Saw several more in the rock riprap during this section of work. 8:35 desert iguana on undisturbed side of the fence. Saw several more during this section of work. 8:55 at least 4 Brewer's blackbirds foraging in the mud within the channel in the northwest section of Unit 1. 10:10 western kingbird on west fence near the northwest corner. 10:20 finished fence repair to northwest corner of Unit 1. 10:40 - 12:30 crew moved back to earthen crossing and repaired the fence back to the common area. Saw desert iguanas and zebra-tailed lizards as walked in front of the dozer (may also be called a skip loader? It is a small piece of equipment). Several cliff swallows flew down channel. Walked in front of the dozer on way out. 12:30 - 1:00 lunch 1:15 crew came back and repaired opening in fence. 1:40 on south side of Unit 2. Crew closed a gap in the fence. 2:50 - 6:30 at entrance to plant site. Monitored access road repair into plant site next to pond where 2 Couch's spadefoot toads have appeared.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?			X	N/A
Trash and debris contained and disposed of in proper manner?			X	N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?		X		Fence repair in progress
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			BLM allowed a 12 ft work area outside the fence.

Additional Notes: Western kingbirds, Brewer's blackbirds, side-blotched lizards, desert iguanas, zebra-tailed lizards, cliff swallows

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/5/2012

Monitor: Eric German
 Weather Conditions: Partly Sunny, Clouds: 5%, Pcp: None
 High Temp (°F): 105 Low Temp (°F): 81

Start Time: 5:40:00 AM Stop Time: 1:30:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0540 inspect access road.
 0600 meet with bios discuss plan of day.
 0610 look and listen at channel pond. No findings.
 0700 office
 1000 inspect north side of unit 1. No findings.
 1100 office.
 1200 inspect access road , check channel puddles. No findings.
 1230 offsite

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?		X		Repairs to be made
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?		X		2 areas of breaches remain.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			2 perched on transmission poles and flying.
All ESAs and other bio-related exclusion areas marked and avoided?		X		ESAs appear to have been avoided. Marking needs repair.

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/5/2012

Monitor: Gregg Lukasek
 Weather Conditions: Sunny, Clouds: 10%, Pcp: None
 High Temp (°F): 104 Low Temp (°F): 84

Start Time: 5:00:00 AM Stop Time: 12:30:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 5:00am on site.
 5:30am cleared equipment and road for Crowne Fence crew. Still awaiting their arrival. They said they were starting at 5am today.
 6:15am Crowne began installing the tortoise grate and gate. Cleared and monitored installation.
 8:40am Crowne finished installing the tortoise grate.
 8:45am walked the fence line marking any repairs needed.
 12:15pm finished walking fence and taking coordinates of where repairs need to be made.
 12:30:pm off site

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?		X		N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			2
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/5/2012

Monitor: Vick Germany
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None
 High Temp (°F): 102 Low Temp (°F): 82

Start Time: 6:00:00 AM Stop Time: 11:30:00 AM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 6:00 checked pond for toads. None seen or heard. 6:20 monitored road repair at the access gate to the plant site. 6:25 pair of Brewer's blackbirds flying south over frog pond 6:30 a cliff swallow flying south over frog pond. 7:25 quit excavating pile of dirt on the west side of the channel. Bringing in base rock and dumping it on the curve they constructed. 7:35 great egret in the south channel. 8:15 great egret no longer in channel. 8:45 turkey vulture soaring plant site. 9:00 three brown-headed cowbirds foraging in the mud of the two ponds. 9:30 two turkey vultures soaring over undisturbed area north of the northeast corner of the plant site. 9:45 - 10:00 pair of ravens on the south side of the channel. They walked along the top of bank until they reached the access gate to plant site. Flew to the top of a power pole. 10:00 relocated a desert iguana that was by the guard rail near then access gate to the plant site. 10:20 work completed by the pond that had the toads. 10:55 observed a spotted sandpiper in the south channel.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?			X	N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			Fence repairs completed today. Desert tortoise grate installed
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			2. See Activity Log
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Brewer's blackbirds, brown-headed cowbirds, great egret, cliff swallow, spotted sandpiper, ravens, desert iguana, turkey vulture

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/6/2012

Monitor: Eric German
 Weather Conditions: Partly Sunny, Clouds: 10%, Pcp: None
 High Temp (°F): 107 Low Temp (°F): 85

Start Time: 6:45:00 AM Stop Time: 4:05:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0600 discussed monitoring of fence, channel pond and DT survey of perimeter of unit 2 with bio. 0645 inspect access road. Picked up litter. No other findings. 0710 met bio discussed plan of day and west side Unit 1 DT surveys, fence and crew monitoring. 0750 asked that trenching crews be reminded to ramp. Compliance reminded contractors. 0800 inspect west side unit 1. Gaps under fence had been flagged. Project proponent notified. Also saw DKF tracks unit 1 west of block 4. No other findings. 0850 inspect powerblock 1 pitfalls, trenches. Water in some pits. No other findings. 0915 inspect laydown north of common area. Some Caps off Spoke with materials caps being reinstalled. 10:00 inspect south side unit 2. Silt fence to be replaced. 11:00 inspect west side of unit 2. Water is no longer present and fence appears to be Repaired. 12:00 inspect site to unit 1 west side. No findings. Inspect west side. Noted gaps in fence proximate to flagged area. Contractor contacted to repair. Contractor arrived and was repairing. Walked to blocks 3 and 2. Inspected west side. No findings. 1400 meeting 1500 spoke with contract lead regarding fence repair unit 2 south side. Repairs to be made tomorrow. 1545 inspect access road. No findings. 1605 off site

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?		X		Need replaced.
Trash and debris contained and disposed of in proper manner?		X		N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?		X		Fence is almost completely repaired.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			N/A
All ESAs and other bio-related exclusion areas marked and avoided?		X		All work inside plant site. ESAs avoided. Some marking of ESAs washed away.

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/6/2012

Monitor: Kris Gade
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 109 Low Temp (°F): 95

Start Time: 7:00:00 AM Stop Time: 4:30:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0700 - Met Eric at turnout at access road, got tour of changes at site and areas being monitored.
 0830 - at west side of unit 1, checking 2 holes in fence, crew will be coming to repair them. Checking west side for other holes, tortoises, foxes, etc.
 0930 - drove fence on west and part of north side of unit 1, walked part of north along drainage channel. Along channel there are a few areas where fence is only buried 4-6 deep and one leaning fence post that should be checked periodically.
 1030 - hanging out near holes in fence, watching for wildlife and the crew coming to fix the fence.
 1145 - Raf (Blattner) came by and looked at fence, crew coming soon to work on fence.
 1300 - met Eric and Christopher (compliance) - archy monitor not needed. Discussed appropriate methods for building up base level at holes along fence. Walked over to northern area to look at channel.
 1345 - monitoring fence repair
 1420 - taking break in car to cool off; fence repair going well
 1445 - Dee and Robert (Veritas) came by to see fence progress. Halfway done with section with gaps.
 1530 - finished with filling in gaps under fence in unit 1.
 1600 - met with Shelly for plan for tomorrow - will come in at noon to check trenches, then watch open fence area in unit 2 from 2:30 to 6:30.
 1630 - left site.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?		X		Some changes not marked yet
Trash and debris contained and disposed of in proper manner?		X		Collected debris caught up against fence
Topsoil segregated properly?		X		Some topsoil windrows washed out by storm flow
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?		X		Monitoring repair of fence, checking for areas needing repair
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/6/2012

Monitor: Rob Conohan
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 110 Low Temp (°F): 103

Start Time: 10:00:00 AM Stop Time: 7:25:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 1000hrs monitored access road for roadkill.

10:30hrs - 19:30hrs monitored gap in tortoise fence caused by the recent storm events to make sure no tortoises enter the site.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?			X	N/A
All activities within approved workspace limits?			X	N/A
Only approved access roads utilized for ingress and egress?			X	N/A
Access road signs in place?			X	N/A
Trash and debris contained and disposed of in proper manner?			X	N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?			X	N/A
Speed limit observed by all project personnel?			X	N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?			X	N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.			X	N/A
Tortoise exclusionary fence and/or ramps intact?		X		Fence gap was monitored to make sure no tortoises entered the site
Any nesting birds observed? Note species (if known) and location.			X	N/A
Common Ravens Present? If yes, note number and activity.			X	N/A
All ESAs and other bio-related exclusion areas marked and avoided?			X	N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/6/2012

Monitor: Shelly Dayman
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 109 Low Temp (°F): 97

Start Time: 9:00:00 AM Stop Time: 4:54:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0900 no roadkill on access road 0915 met Eric to discuss DT fence installation progress and specs 1015 cleaned up RTGS and zebra tail roadkill from access road 1030 looked at open portion of DT fence on south side of unit 2, silt fence ineffective barrier for DT, trenched galvanized wire fence needed as barrier, need earth work in this area to occur, fresh DKF and coyote tracks noted in area (up to waters edge) 1045 DKF telemetry, checked activity at one den 1230 discussed fencing options, determined that earth work must occur with bobcat, will start tomorrow, discussed work for week with Eric 245 gave Rob iPod touch, directions, CORA instructions, DT fence instructions 315 met with Kris, gave DT fence instructions 415 completed DKF telemetry 455 left site

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?		X		DT fence still being repaired after storm
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Desert iguana, Brewers blackbird, RTGS, zebra-tailed lizard, DKF tracks up to water in channel

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/6/2012

Monitor: Vick Germany
 Weather Conditions: Sunny, Clouds: 30%, Pcp: None
 High Temp (°F): 109 Low Temp (°F): 88

Start Time: 6:00:00 AM Stop Time: 3:30:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One:	Plant Site	Access Road	Gas Line	Transmission Line	Other (explain)
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Activity Log: 6:00 - 6:30 listened & scanned pond (by the entrance to the plant site) for Couch's spadefoot toad. None seen or heard. Also scanned the channel in the area, walked around the area where the fence was repaired and checked tortoise grate. 6:45 a crew flagged me down to report a tarantula where they were working by a fire hydrant located along the permanent fence along the south channel at Blocks 5 and 10.. Captured and relocated tarantula to the undisturbed area. 7:00 - 9:00 walked south channel because there is a gap in the tortoise fence. Observed 3 spotted sandpipers in channel, a cliff swallow flying over channel, desert iguana and side-blotched lizards along top of bank, a mourning dove to the south of the channel in the undisturbed area. Sent Eric a couple of photos of eroded areas of the fence adjacent to the rip rap and a hundred feet or so to the west. 9:10 three turkey vultures on south bank of the south channel. One flew off as car approached. The other two flew off after a couple of minutes. All headed south. 9:20 - 9:45 walked eastern fence up to the corner and back opposite Block 8. Piles of old fence and wire are stacked up in the corner. Observed a black phoebe in the channel between the low flow barrier and the bridge. 9:50 - 11:00 walked the other sections of fence (where it was repaired) opposite Blocks 6 and 7. Observed 2 mourning doves in channel and desert iguana and zebra-tailed lizard top of bank. 11:00 - 11:45 spot checked the northern section of fence of Unit 2, Block 1. 11:45 - 12:15 lunch 12:25 picked up Shelly at the tortoise grate and drove her back to her car at the gap in the fence in Unit 2. 12:35 spot checked the southern section of the fence in Unit 2, west of the open section (Block 5). 1:00 observed an ash-throated flycatcher drinking from the south channel. 1:20 checked the kit fox tracks in the mud near the gap in the fence along the south channel. 1:30 - 2:00 checked holes on the north side of the paved road in Unit 2, Block 3. 2:00 - 2:25 checked the fence along Blocks 4 and 5, Unit 2. 2:30 - 2:45 Checked holes on south side of the paved road in Unit 2, Block 4. 2:45 - 3:15 checked trenches and holes in Blocks 2 and 7.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?			X	N/A
All activities within approved workspace limits?			X	N/A
Only approved access roads utilized for ingress and egress?			X	N/A
Access road signs in place?			X	N/A
Trash and debris contained and disposed of in proper manner?			X	N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?			X	N/A
Speed limit observed by all project personnel?			X	N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?		X		A section of fence along the south channel has not been repaired.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?			X	N/A

Additional Notes: Spotted sandpipers, mourning dove, tarantula, cliff swallow, turkey vultures, black phoebe, desert iguanas, zebra-tailed lizards, ash-throated flycatcher

Date & Time: Mon Aug 6 12:02:07 PDT 2012
Position: 11 N 685923 3725545
Altitude: 312ft
Azimuth/Bearing: 300° N60W 5333mils (True)
Elevation Angle: -15.3°
Horizon Angle: -00.3°
Zoom: 1X
fence installed repaired west of unit 2



Date & Time: Mon Aug 6 06:52:09 PDT 2012
Position: 11 N 686635 3725426
Altitude: 381ft
Azimuth/Bearing: 328° N32W 5831mils (True)
Elevation Angle: -73.2°
Horizon Angle: +03.1°
Zoom: 1X
tarantula



Date & Time: Mon Aug 6 14:06:50 PDT 2012
Position: 11 N 683472 3726974
Altitude: 322ft
Azimuth/Bearing: 022° N22E 0391mils (True)
Elevation Angle: -08.0°
Horizon Angle: +02.3°
Zoom: 2X
repairing fence, southwest Unit 1



Date & Time: Thu Aug 2 11:20:48 PDT 2012
Position: 11 N 687286 3726963
Altitude: 361ft
Azimuth/Bearing: 197° S17W 3502mils (True)
Elevation Angle: -70.8°
Horizon Angle: +06.7°
Zoom: 4X
sidewinder next to fence



Date & Time: Thu Aug 2 07:01:08 PDT 2012
Position: 11 N 687498 3726777
Altitude: 400ft
Azimuth/Bearing: 067° N67E 1191mils (True)
Elevation Angle: -87.3°
Horizon Angle: +31.6°
Zoom: 1X

dead horned lizard found along DT fence NE side



Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/7/2012

Monitor: Gregg Lukasek
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None
 High Temp (°F): 97 Low Temp (°F): 87

Start Time: 12:30:00 AM Stop Time: 10:30:00 AM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 12:30am surveyed and cleared unit one for largo construction activities to begin.
 1:00am attended largo weekly safety meeting.
 1:20am cleared power block two where largo will also be working.
 1:45am surveyed ponds for Scaphiopus couchii. No S. couchii were found.
 3:00am surveyed access road for road kill. Removed a road kill desert kangaroo rat from road and buried it.
 3:30am surveyed ponds for Scaphiopus couchii. No S. couchii were found.
 4:15am kit fox telemetry in CSAA area. No pings detected. Observed a Chionactis occipitalis.
 4:50am surveyed for Scaphiopus couchii at pond near tortoise grate. No S. couchii were found.
 5:45am began kit fox telemetry and camera card changes.
 7:05am finished telemetry and camera card changes.
 7:15am cleared access road for a Sukut street sweeper.
 7:50am observed a road killed desert kangaroo rat and a scorpion on access road. Removed and buried them.
 8:20am checked western fence where holes were found on Sunday.
 8:40am a kit fox was spotted inside the plant site. First observed by a construction worker in the north section of unit two and headed west into unit one. Drove around looking for it. Did telemetry inside unit one and along the western and northern ends of unit one. No pings were detected and the animal was not observed.
 9:45am driving around unit one looking for the kit fox.
 10:15 surveyed access road for road kill. No road kill was found.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?		X		DT fence not fully repaired.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Chionactis occipitalis,

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/7/2012

Monitor: Kris Gade
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 112 Low Temp (°F): 106

Start Time: 12:15:00 PM Stop Time: 8:10:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 1215 - Arrive at gate 1230 - At plant site. Start checking trenches in Unit 2. 1315 - head to Unit 1 to check trenches. 1330 - met Shelly where she was watching kit fox, she sent me to relieve Vick on watching tortoise fence replacement in Unit 2. 1400 - at tortoise fence, SW unit 2. 1500 - contractor out of fence posts; closed off temporary fence and will finish actual fence tomorrow. I will monitor until dusk. 1515 - Scorpion in power block 2. Workers all leaving - was in carpenters' area, heard chemical storage, but cannot locate. 1600 - back at tortoise fence. 1635 - 1715: Turkey vulture observed wading and drinking at water pooled in south channel, unit 2 vulture arrived from west, flew off to east. 1800 - walked fence; large area remaining to be backfilled, including parts of old fence with washout below mesh - marked areas with flagging start from most eastern area noted but ran out of flagging before marking everything. The portions that have been backfilled need compaction/more fill in many areas to keep fence buried to 12 after settling occurs. 1900 - survey of fence/trench. Ponds outside fence dried up since noon. Saw 2 whiptails, 2 smaller lizards. 1950 - leaving plant site. 2010 - left gate.

Monitor Checklist

General	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Workspace limits verified and properly marked?		X		Limits not marked outside tortoise fence, but foot traffic only staying within allowed area.
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Work area cleared by BM prior to construction activity beginning?			X	I came after work started; Vick was here in am.
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?		X		Replacing tortoise fence washed out in storm. Silt fence only in area where fence was washed out.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Start temp at 1215, midday temp at 1615, end temp at

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/7/2012

Monitor: Rob Conohan
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 110 Low Temp (°F): 90

Start Time: 6:30:00 AM Stop Time: 12:30:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: Monitored access road for roadkill.

Started Raven observation survey.

Checked open trenches in unit one for wildlife.

Located radio collared kit fox under stacked scaffolding. Animal was left alone to rest in the shade. Area was barricaded with cones to prevent vehicle and water truck traffic from disturbing the animal. The other biological monitor took over monitoring the animal at around 12pm.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?			X	N/A
All activities within approved workspace limits?			X	N/A
Only approved access roads utilized for ingress and egress?			X	N/A
Access road signs in place?			X	N/A
Trash and debris contained and disposed of in proper manner?			X	N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?			X	N/A
Speed limit observed by all project personnel?			X	N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?			X	N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.			X	N/A
Tortoise exclusionary fence and/or ramps intact?			X	N/A
Any nesting birds observed? Note species (if known) and location.			X	N/A
Common Ravens Present? If yes, note number and activity.			X	N/A
All ESAs and other bio-related exclusion areas marked and avoided?			X	N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/7/2012

Monitor: Shelly Dayman
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None
 High Temp (°F): 117 Low Temp (°F): 91

Start Time: 6:45:00 AM Stop Time: 5:06:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0645 informed that CORA surveys had to be terminated due to high temps and would be completed tomorrow AM, backhoe work at DT fence breach has been initiated
 0830 DKF observed by construction people, Rob found kit fox under construction materials just SW of powerblock 1 bldg, barricades set up for vehicles in area, determined via telemetry to be may male
 1130 began monitoring DKF after installing cones in area for traffic, DKF observed heading to west, entered into trench/eroded bank (UTM 0684492/3727128) and tracked by telemetry to be still in this location after lost site of fox, fox was seen here after picking up signal, continued to monitor this location, will search for burrow once construction traffic has ceased and temps are cooler if DKF doesn't depart on own
 1250, 115, 130, 220, 300, 340 420, 430 checked telemetry, fox still present and alive, at 430 still too hot to haze fox, fox exited shade on approach and began to pant, fox went back into shade when backed away, area will be checked by night monitor with telemetry and for presence of burrow

Monitor Checklist

General	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			Generally, need some replacements
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			DT fence repair in last section being completed
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Desert kit fox, western whiptail, RTGS,

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/7/2012

Monitor: Vick Germany
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None
 High Temp (°F): 102 Low Temp (°F): 90

Start Time: 5:00:00 AM Stop Time: 2:00:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One:	Plant Site	Access Road	Gas Line	Transmission Line	Other (explain)
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Activity Log: 5:45 - 7:00 walked along silt fence and 3/4 of the tortoise fence.
 5:45 - 5:50 heard the call of a kit fox south of the south channel.
 7:15 bobcat (which I referred to as a dozer in previous reports) started pushing dirt outside of the fence to fill in the gullies to create a level area to install the new section of fence.
 7:20 raven flew into plant site from the south.
 7:40 spotted something that was tadpole like in one of the puddles next to the rip rap. Sent a photo to Shelly who said it was a Triops and it was ok to fill in puddle.
 12:00 - 12:30 lunch
 12:30 - 2:00 monitored fence repair.
 Kris Gade took over monitoring.

Monitor Checklist

General	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?			X	N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?			X	N/A
Biological Issues	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?		X		Repairing south section of fence.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			See Activity Log
All ESAs and other bio-related exclusion areas marked and avoided?		X		Fence repair was allowed 12 ft beyond original fence line.

Additional Notes: Kit fox (calling only), raven, Triops

Date & Time: Tue Aug 7 17:39:12 PDT 2012
Position: 11 N 680983 3723400
Altitude: 364ft
Azimuth/Bearing: 034° N34E 0604mils (True)
Elevation Angle: -48.3°
Horizon Angle: +13.7°
Zoom: 4X
lizard in trench for exclusion fence, south side unit 2



Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/8/2012

Monitor: Gregg Lukasek
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None
 High Temp (°F): 99 Low Temp (°F): 90

Start Time: 12:30:00 AM Stop Time: 10:30:00 AM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 12:30am surveyed and cleared unit one for largo construction activities to begin. 1:00am did telemetry at location where may male was last observed yesterday inside the plant site. No ping was detected. The kit fox did not dig any burrows at the spot he was left at yesterday. 1:30am checked ponds for couch's spadefoot toad. 2:30am began telemetry in units one and two looking for kit fox in plant site. No pings were detected. 4:30am checked ponds for couch's spadefoot toad. No toads were found 5:45am surveyed access road for road kill. No road kill was found. 6:15am began telemetry looking for kit fox in the plant site. 7:40am found may male in power block one. Watching the kit fox so he doesn't get injured by construction activities. 9:40am rob took over monitoring the kit fox in power block one. 10:10am dropped off supplies in office. 10:30 off site.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?		X		DT fence not fully repaired from rain damage.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			3
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Phrynosoma platyrhinos

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/8/2012

Monitor: Kris Gade
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 113 Low Temp (°F): 88

Start Time: 5:15:00 AM Stop Time: 3:45:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0515 - Arrived at site, stopped by unit 2 power block to see if scorpion seen again. Had not been seen. 0530 - At field office to get GPS. Some trouble with getting it to turn on, find batteries. 0600 - leaving for NW Unit 2 to survey for kit fox in area to be scraped today. 0620 - start surveys. Two long surveys in scraping area, return along channel bank to check slope into channel. 0715 - finished survey of scraping area. No sign of DKF, 3 to 4 potential burrows in erosional features in channel slope, near breach in berm and south of breach to CSAA. 0730 - start surveying CSAA. 0945 - back at vehicle. Half of CSAA surveyed; one new burrow in burrow complex, could be large enough for DKF, crusted ground so no tracks visible. saw 2 zebra-tailed lizards, 1 whiptail, pink snake, lots of kangaroo rat tracks, possible DKF tracks (photo). 1030 - heading to NE laydown to collect dead kangaroo rat. 1100 - request to pick up live tarantula in bucket ay powerblock 2. 1130 - have both animals, taking to access road turnout to release/bury. 1200 - back to powerblock 2 to look for fox hiding spots 1245 - have checked around power block 2, next will head to lay downs in NE Unit 1. 1345 - Checked Crown Fencing supply area. Walked ditch west of (and parallel to) worker parking area. There are gullies, but none deep enough to serve as fox burrows. 1355 - noticed some caps have fallen off stored pipes in NE corner unit 1 - maybe ARB area? Took photo. 1425 - Drove around west side of Unit 1, saw 2 CORA just east of the SE corner of CSAA. Both on ground, flew off while I typed caption for photo, did not see which direction. 1505 - finished northern half of Unit 1, at ARB warehouse. Finished for today, will keep looking for foxes tomorrow. 1545 - leaving site.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			2 CORA just east of the SE corner of CSAA. Both on ground, flew off while I typed caption for photo, did not see which direction.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/8/2012

Monitor: Rob Conohan
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 117 Low Temp (°F): 86

Start Time: 6:30:00 AM Stop Time: 3:00:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: Monitored access road for roadkill. Conducted Raven Observation surveys. Took over monitoring kit fox from one of the other biological monitors. Animal was observed resting under some stacked solar structure components. He left for a nearby trench to the west before returning to the structures at around 1030am animal was observed defecating on the ground while moving between shelter. The DKF then travelled back to the trenches to the west where he remained until I was relieved of observing him at 3pm by another bio monitor. Although the DKF was observed panting it appeared to be healthy and moving well.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?			X	N/A
All activities within approved workspace limits?			X	N/A
Only approved access roads utilized for ingress and egress?			X	N/A
Access road signs in place?			X	N/A
Trash and debris contained and disposed of in proper manner?			X	N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?			X	N/A
Speed limit observed by all project personnel?			X	N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?			X	N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.			X	N/A
Tortoise exclusionary fence and/or ramps intact?			X	N/A
Any nesting birds observed? Note species (if known) and location.			X	N/A
Common Ravens Present? If yes, note number and activity.			X	N/A
All ESAs and other bio-related exclusion areas marked and avoided?			X	N/A

Additional Notes: Juvenile Brown Pelican observed loafing in drainage channel along the southern boundary of unit one. The pelican was not observed as I left the site at 3 pm

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/8/2012

Monitor: Shelly Dayman
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 118 Low Temp (°F): 99

Start Time: 9:30:00 AM Stop Time: 5:15:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0745 DKF (may male) observed under project materials in same location as yesterday, BM present 0930 removed dead western diamondback rattlesnake, kangaroo rat, and zebra-tailed lizard from access road Checked DT fence gap, BM present to monitor gap but fence work had not yet been initiated, called Charlie and fencing crew moved to this location and DT fencing completed by early afternoon, no more gaps in DT fence exist 1100 compliance meeting 1200 conducted DKF telemetry at laydown areas, along northern and eastern fence, at known DKF burrows near project access area, no pings, changed camera cards at GKBF001, GKBTM001 and GKBTM002 200 meeting, discussed pumping water out of sedimentation ponds on Thursday morning to avoid being a wildlife attractant to site since permanent fencing in place, bureau veritas to confirm if watering to occur outside fence, some outside fence trash clean up still necessary and bio/cultural monitors required, only ATVs allowed 0300 monitor May male DKF, still under dirt overhang

Monitor Checklist

General	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Desert kit fox, western diamondback, desert iguana, zebra-tailed lizard, kangaroo rat, RTGS, western whiptail

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/8/2012

Monitor: Vick Germany
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 111 Low Temp (°F): 91

Start Time: 5:30:00 AM Stop Time: 2:30:00 AM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 5:30 - 6:30 At east side of south channel where the gap in the fence is being repaired. Checked open fence trench and walked 3/4 of the channel top of bank. Observed the other quarter with binoculars. Looking for kit fox and desert tortoise. 7:00 - 7:50 checked open fence trench and walked down to end of rip rap and back. Scanned channel. Looking for kit fox and desert tortoise. Three mourning doves on channel bank. One drank water from the channel. Side-blotched lizards and desert iguanas on both sides of the fence. 8:15 - 9:05 checked open fence trench and walked down to end of rip rap and back. Scanned channel. Looking for kit fox and desert tortoise. 9:15 caught and relocated a scorpion that was in the trench of the permanent fence along the south fence. 10:30 - 11:25 checked open fence trench and walked down to end of rip rap and back. Scanned channel. Looking for kit fox and desert tortoise. 11:30 fence crew moved fence over into trench. For the missing poles, they cut aluminum round poles to the proper length. Then backfilled trench. 12:00 - 12:30 lunch 12:30 - 1:45 finished repairs to fence. 2:10 picked up a dead snake from the northeast corner of Unit 2, Block 1. It was accidentally killed during post hole drilling for the permanent fence. Didn't find the head. It was a possible glossy. Buried it west of the last turnout along the access road heading south.

Monitor Checklist

General	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?			X	N/A
Access road signs in place?			X	N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?			X	N/A
Biological Issues	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			Completes repairs to desert tortoise fence
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?		X		Had a 12 foot buffer per BLM

Additional Notes: Mourning doves, side-blotched lizards, desert iguanas, scorpion

Date & Time: Wed Aug 8 06:32:38 PDT 2012
Position: 11 N 684753 3726680
Altitude: 361ft
Azimuth/Bearing: 112° S68E 1991mils (True)
Elevation Angle: -33.5°
Horizon Angle: -06.8°
Zoom: 4X
desert horned lizard



Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/9/2012

Monitor: Gregg Lukasek
 Weather Conditions: Sunny, Clouds: 55%, Pcp: None
 High Temp (°F): 96 Low Temp (°F): 90

Start Time: 12:30:00 AM Stop Time: 11:00:00 AM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 12:30am surveyed and cleared unit one for largo construction activities to begin.
 1:00am used telemetry and flashlight to clear power block one for kit fox. Also cleared the trench that the may male fox has been using the last 2 days. Called bones from largo and notified him that the kit fox is not currently using largo materials for shelter. Bones is sending someone over to relocate the materials the fox has been resting in.
 1:30am went to office to get new batteries for telemetry equipment.
 1:45am used telemetry to see if may male was in assembly building area, trailer city or power block one. No ping was detected.
 2:20am bones from largo called me and said they wont be able to clear their materials out of power block one until day break. Monitored power block one to see if the kit fox shows up.
 4:40am still no sign of the kit fox in power block one. Temporarily left to give Vick the flashlight to search for couch's spadefoot toad.
 5:15am gave Vick the flashlight and she had just observed a kit fox crossing access road. Went to where she observed the fox and got a live ping for the June male.
 5:30am removed sidewinder found by bio crew looking for couch's spadefoot toad. Safely relocated it.
 5:55am surveying power block one and the nearby trench for the may male kit fox. Also waiting for daylight and largo to move their materials where the kit fox has been found the previous two days. No sign of may male in power block one.
 6:50am got a call from bones from largo and his crew is on their way to remove their materials from power block one. Used telemetry and may male is not in the area.
 7:00am largo arrived and began moving their materials.
 8:00am may male showed up under the panels while largo was unloading panels. Notified largo that fox was present and they needed to stop work.
 8:10am monitored the kit fox.
 9:15am rob took over monitoring kit fox in power block one.
 9:20am started kit fox telemetry and camera card changes.
 10:55 finished kit fox telemetry and camera card changes.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/9/2012

Monitor: Kris Gade
 Weather Conditions: Sunny, Clouds: 10%, Pcp: None
 High Temp (°F): 110 Low Temp (°F): 90

Start Time: 5:15:00 AM Stop Time: 2:30:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0515 - entered site
 0525 - met Vick at pond at SE corner Unit 2, checking for tadpoles
 0615 - heading to next pond, Vick called to monitor fence work so took her back to car
 0645 - dropping off shrimp in office
 0715 - at pond in SW Unit 1
 0730 - no sign of inverts in pond, no fox tracks or tortoise tracks observed.
 0745 - at pond in NW Unit 1.
 0900 - surveyed whole pond, found clam shrimp and another shrimp. No tadpoles or tortoise or fox tracks observed.
 1000 - collected tarantula from NE Unit 2, took to first turnout outside site to release. Noted recent dirt activity at two burrows closer to the road from the old den with camera.
 1100 - lunch, then started to inspect outside unit 2, block 10 to prepare for pumping water out of pond.
 1150 - saw seagull in channel
 1210 - channel draining on hold until Monday, walking back to car
 1300 - back to car. Saw 2 zebra-tails, wading bird, possible swallow (?) flying to eroded space under bank protection at site gate, up to T-pole, 2nd bird also on power pole. Took photos.
 1315 - at office to pick up spotlight to check ponds tonight.
 1415 - leaving for now, will do separate report for evening monitoring.
 1430 - left site.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		Need to check on swallows (?) near site gate
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/9/2012

Monitor: Kris Gade
 Weather Conditions: Other (note), Clouds: 0%, Pcp: None
 High Temp (°F): 105 Low Temp (°F): 100

Start Time: 8:00:00 PM Stop Time: 10:30:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: Plant Site Access Road Gas Line Transmission Line Other (explain)

Activity Log: 2030 - start looking for toads at pond at access road. Walked down between ponded areas near access road entrance and inspected with spotlight. No sign of toads, one bat (?) flew by.
 2115 - driving along channel south edge of unit 2, block 10, stopping periodically to scan water edge on both banks using spot light.
 2145 - completed scan of first channel, heading to unit 1 ponds.
 2200 - roads I usually take to unit 1 ponds are cordoned off, unsure how to get there in dark. Will have to wait for tomorrow.
 2230 - leaving site.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?			X	N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?			X	N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/9/2012

Monitor: Rob Conohan
 Weather Conditions: Cloudy, Clouds: 50%, Pcp: None
 High Temp (°F): 113 Low Temp (°F): 88

Start Time: 7:00:00 AM Stop Time: 3:00:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: Monitored access road for road kill.
 Checked pond at site entrance for tadpoles, none observed.
 Took over monitoring of KF hiding under staged construction material near powerblock 1. May male was initially located under the material by the other BM, but the fox left the area unseen. An un-collared fox was observed entering the area at around 9am. Lights were installed in the vicinity at around 1030am and the fox remained in the same location during that time. The uncollared fox remained there until around 2:30 when it moved to a new location unseen by the monitor.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?			X	N/A
All activities within approved workspace limits?			X	N/A
Only approved access roads utilized for ingress and egress?			X	N/A
Access road signs in place?			X	N/A
Trash and debris contained and disposed of in proper manner?			X	N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?			X	N/A
Speed limit observed by all project personnel?			X	N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?			X	N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.			X	N/A
Tortoise exclusionary fence and/or ramps intact?			X	N/A
Any nesting birds observed? Note species (if known) and location.			X	N/A
Common Ravens Present? If yes, note number and activity.			X	N/A
All ESAs and other bio-related exclusion areas marked and avoided?			X	N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/9/2012

Monitor: Shelly Dayman
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 117 Low Temp (°F): 99

Start Time: 8:30:00 AM Stop Time: 5:15:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0230 AM call that Largo hadn't been able to set up lights to remove materials providing shade for May male DKF, they would begin deconstruction at dawn
 0700 Largo began removing shade structure
 0830 May male DKF entered shade structure during tear down, so tear down ceased
 access road clear, no roadkill
 0930 DKF observed entering shade structure, no collar, telemetry and visual observation indicate May male no longer present under shade structure, unable to locate May male for rest of day, female was present until about 230 and then unable to locate
 1030 set up bios to survey outside fence area where water proposed to be pumped out of sedimentation ponds to ensure that no active DKF, badger, tortoise or WBO burrows would be affected. Pumping delayed to Monday to allow for nine days from last spadefoot observation.
 1100 identified collected specimens from morning surveys to be clam shrimp and one fairy shrimp (female so unable to determine species), no tadpoles present
 1200 searched west and south of powerblock 1 for May male DKF with telemetry, not found
 200 meeting
 300 searched site for DKF under equipment, laydowns, trenches etc.
 400 watched for spadefoot activity in sedimentation pond at SE corner of Unit 2, none observed
 430 office
 500 access road, no roadkill

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			Some replacements still needed
Trash and debris contained and disposed of in proper manner?		X		Trash noted near common area, couldn't pick up due to time constraints
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			Plant germination noted throughout desert
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Desert iguana, Brewer's blackbird, fairy shrimp, clam shrimp, kit fox, TUVU

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/9/2012

Monitor: Vick Germany
 Weather Conditions: Partly Sunny; hazy, Clouds: 50%, Pcp: None
 High Temp (°F): 108 Low Temp (°F): 93

Start Time: 5:00:00 AM Stop Time: 2:20:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 5:10 observed a kit fox running across the road (west to east) a few feet in front of the desert tortoise grate. Greg got a ping and it was the June male.
 5:15 - 6:20 surveyed the pond and adjacent section of channel for tadpoles and toads. Did not observe either one or hear any calling. Common nighthawks flying over pond and adjacent channel. To the west of the pond where dirt from the old access road was removed, a sidewinder was found. Gregg caught it. Two ravens flew south near the pond.
 6:35 checked southwest corner of Unit 2. Area completely drained.
 6:50 - 9:50 northeast corner Unit 2 desert tortoise fence repair. Two buggies outside of fence within 12 ft buffer. Walked in front out and back. Scanned the undisturbed area for kit fox several times during this period. No observations.
 7:30 observed a black phoebe perched on a fence post.
 7:35 male kestrel flew from undisturbed area down into channel.
 7:50 four mourning doves flew over plant site.
 10:00 in Unit 1. Began checking pipes and underneath pallets around the common area for kit foxes.
 10:45 met with Shelly about surveying an area south of Unit 1, Block 8 where water is to be pumped. Returned spotlight and charger. Picked up a Garmin.
 10:50 raven landed in a power pole next to the trailers.
 11:00 - 11:30 lunch
 11:30 - 12:40 surveyed Unit 1, Block 5, west half of Block 6, east border of Blocks 2 and 3 trenches and holes. Visually looked surface of those blocks.
 12:40 - 2:00 surveyed an area to the southwest of the sediment basin along the south side of Block 8, Unit 1 for any kit fox, desert tortoise or burrowing owl burrows. None observed. Saw k-rat and other burrows.
 2:20 east side of main access road, Unit 2, Block 2, a raven was eating something on a pile of dirt.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?			X	N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.	X			Kit fox observed outside of plant site. See Activity Log.
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			See Activity Log
All ESAs and other bio-related exclusion areas marked and avoided?		X		Fence work occurred outside of the fence northeast corner Unit 1, but within BLM 12 ft buffer.

Additional Notes: Kit fox, common nighthawks, ravens, sidewinder, mourning doves, black phoebe, American kestrel, desert iguanas

Date & Time: Tue Aug 7 17:39:12 PDT 2012
Position: 11 N 680983 3723400
Altitude: 364ft
Azimuth/Bearing: 034° N34E 0604mils (True)
Elevation Angle: -48.3°
Horizon Angle: +13.7°
Zoom: 4X
lizard in trench for exclusion fence, south side unit 2



Date & Time: Wed Aug 8 07:48:53 PDT 2012
Position: 11 N 683371 3727444
Altitude: 381ft
Azimuth/Bearing: 252° S72W 4480mils (True)
Elevation Angle: -19.1°
Horizon Angle: +01.1°
Zoom: 4X
zebrataill in CSAA



Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/10/2012

Monitor: Gregg Lukasek
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None
 High Temp (°F): 107 Low Temp (°F): 89

Start Time: 12:30:00 AM Stop Time: 10:35:00 AM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 12:30am surveyed and cleared unit one and power block one for largo construction activities to begin.
 1:15am surveyed access road for road kill. Removed a road kill desert kangaroo rat and buried it.
 Witnessed a Ford truck CA license plate TE0CWI and GSEP sticker #3466 go off road to pass traffic and a delivery truck to get into the plant site.
 1:40am monitored power block one panel relocation. No kit fox present in power block one.
 3:15am removed and relocated a sidewinder that was under a panel largo was moving.
 4:15am largo finished moving their materials where the fox has been using as shelter. No ping detected in power block one.
 4:25am monitored largo construction in unit one.
 5:30am surveyed access road for road kill. No observations were made.
 5:45am began kit fox telemetry and camera card changes.
 7:20am finished telemetry and camera card changes.
 7:30am in office downloading camera card photos.
 7:50am doing telemetry in plant site to locate any kit foxes.
 8:30am located may male kit fox in power block two and monitored him.
 10:20am replaced by Kris to monitor the kit fox
 10:35am off site.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?		X		Ford truck with CA license plate# TE0CHI GSEP#3466 went off road along access road to pass traffic and delivery truck this morning.
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			2
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Cathartes aura

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/10/2012

Monitor: Kris Gade
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 111 Low Temp (°F): 95

Start Time: 9:30:00 AM Stop Time: 5:00:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0945: Arrive at site
 1000: meet Gregg to watch fox at PB 1, fox moves from under pipe pallet back to gully by road
 1035: equipment transferred to me from Gregg, watching fox at gully by road.
 1155: checking telemetry every 10 minutes, watching for fox movement. Still in gully.
 1210: Fox took off southwest, paused in shade at outhouse just north of scraped area, then went over berm toward south. Lost sight of him then. Drove the scraped area and road along fence with telemetry on, no pings. Appears he went off site south of unit 1.
 1300: went to SE part of unit 1 to monitor restoration of buggy tracks outside fence. Gave Rob telemetry equipment.
 1335: tortoise fence open for buggy, checking periodically. Walking area where paths are being restored to look for signs of tortoise, fox, owl, badger.
 1500 - walking site again after cool off break. Dragging tool has erased tracks pretty well, still some deeper holes from fork lift, etc that have to be shoveled by hand.
 1530 - checked temperature in newly constructed fox burrow; buried pipe is warm but touchable, air is not hot. Heard ground squirrel call on walk back to fence from fox den.
 1630 - Sukut crew replacing tortoise fence, done at site for today.
 1645 - unloaded equipment at office
 1700 - leaving site

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			Restoring land outside fence south of Unit 1, block 8 where impacted by trash cleanup.
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			Rob cleared area before I arrived.
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			Worked restoring part of ESA impacted by trash retrieval

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/10/2012

Monitor: Rob Conohan
 Weather Conditions: Sunny, Clouds: 10%, Pcp: None
 High Temp (°F): 115 Low Temp (°F): 88

Start Time: 5:45:00 AM Stop Time: 4:00:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: Monitored SUKUT crew as they cleaned up debris and trash left over from the recent storm event. Tortoise fence was opened and a single buggy was granted access to the BLM land outside of the project area. Tortoise fence was then reinstalled and buried to make sure tortoises could not enter the site. The SUKUT crews were told to stay on existing trails, do not run over vegetation, and look under the vehicle for tortoises if it has been parked for a moment. The area was surveyed for signs o. DT and KF during the trash clean up.

An artificial burrow was then installed near 1KMS to provide shelter and shade for the KF who frequent this washed out den. NAM and ARCH monitors were present.

Buggy was then used by SUKUT to clear the tracks from the previous clean up effort and rehabilitate the soil. SUKUT crews were asked to avoid burrow mounds and vegetation. These activities and the gap in the fence was then monitored by another BM.

Searched the area for any other KF that may be on site, none observed.

Visited dens mid south, south fence, and den 8 west none of them have been re-excavated by DKF.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?			X	N/A
All activities within approved workspace limits?			X	N/A
Only approved access roads utilized for ingress and egress?			X	N/A
Access road signs in place?			X	N/A
Trash and debris contained and disposed of in proper manner?			X	N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?			X	N/A
Speed limit observed by all project personnel?			X	N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?			X	N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.			X	N/A
Tortoise exclusionary fence and/or ramps intact?			X	N/A
Any nesting birds observed? Note species (if known) and location.			X	N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?			X	N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/10/2012

Monitor: Shelly Dayman
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 115 Low Temp (°F): 107

Start Time: 8:30:00 AM Stop Time: 5:15:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0830 may male observed near Powerblock 1, monitored by biomonitors, plan and materials for construction of artificial DKF burrows at 1KMS and GKBF002 created and purchases, organized cultural and native American monitors to be present for excavation for burrow creation at 1KMS
 1130 began artificial burrow creation, similar to artificial DT burrow with addition of 8 diameter PVC pipe to deter entrance by coyotes
 1330 artificial burrow completed with wildlife cameras in place
 1400 Reporting to agencies regarding design and implementation of artificial burrow
 1445 DKF data and reporting
 1600 reorganization of equipment
 1630 discussed with Charlie need for biomonitor at sediment pond near entrance Monday at 6AM
 1700 examination of pond at front entrance for tadpoles, none observed
 1715 access road check, removal of road kill kangaroo rat

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			Work conducted outside south side of Unit 1 Sedimentation Pond to remove remaining debris
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			DT fence opened for buggy to remove debris, BM present
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Desert kit fox, desert iguana, western whiptail, TUVU

Date & Time: Fri Aug 10 12:19:05 PDT 2012
Position: 11 N 684966 3726437
Altitude: 341ft
Azimuth/Bearing: 356° N04W 6329mils (True)
Elevation Angle: -29.8°
Horizon Angle: +02.2°
Zoom: 1X
dkf den



Date & Time: Fri Aug 10 12:23:21 PDT 2012
Position: 11 N 684998 3726431
Altitude: 331ft
Azimuth/Bearing: 358° N02W 6364mils (True)
Elevation Angle: -35.7°
Horizon Angle: -00.3°
Zoom: 1X
dkf den



Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/12/2012

Monitor: Eric German
 Weather Conditions: Lightning, Clouds: 35%, Pcp: None
 High Temp (°F): 105 Low Temp (°F): 101

Start Time: 7:30:00 PM Stop Time: 10:05:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: On site no rain. Lots of wind dying down. Heavy rain and Wind at east end of access road. Arizona crossing contains water.
 Surveyed Arizona crossing and proximate areas and ponds for toads on way in 1930 and way out 2005 no CST findings.
 Surveyed channel on east and south of unit 2 for CST. No CST findings.
 2130 observed collared fox run offsite over tortoise grate. Headed south did not follow road.
 2145. Sheet water flow across access road where there had not been any during entry. No rain had fallen during that time.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?			X	N/A
All activities within approved workspace limits?			X	N/A
Only approved access roads utilized for ingress and egress?			X	N/A
Access road signs in place?			X	N/A
Trash and debris contained and disposed of in proper manner?			X	N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?			X	N/A
Speed limit observed by all project personnel?			X	N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?			X	N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.			X	N/A
Tortoise exclusionary fence and/or ramps intact?			X	N/A
Any nesting birds observed? Note species (if known) and location.			X	N/A
Common Ravens Present? If yes, note number and activity.			X	N/A
All ESAs and other bio-related exclusion areas marked and avoided?			X	N/A

Additional Notes: Purpose was surveying for couch's spade foot toads. No construction at this time.

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/13/2012

Monitor: Eric German
 Weather Conditions: Cloudy, Clouds: 30%, Pcp: Trace
 High Temp (°F): 105 Low Temp (°F): 87

Start Time: 5:50:00 AM Stop Time: 4:10:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0550 inspect access road. Photo wind havoc. Blown over radar speed sign and outhouse. Outhouse reported to compliance. No CST findings.
 0615 inspected se corner of unit 2 and channels for DKF and CST. Observed DKF prints near tortoise grate. Noted second outhouse blown over. Reported blown over outhouses to compliance. Outhouse reset upright. Spoke with foreman channel to be opened to deter flooding if another rain event.
 0730 inspect unit 1. DKF reported to be on site. Confirmed.
 0830 report of snake powerblock 1. Moved pile of bolts and nuts could not find.
 1000 gather items for construction of DKF shade structure. Requested arch and native American monitors.
 1100 install shade structure and anthropogenic burrow opening at 1KMS.
 1345 install shade structure at GKBF00
 1515 remove black pipe at 1kms. Leave artificial den entry.
 1540 observe kit fox on site. Appears to be digging burrow in trench wall.
 1610 off site.
 Strong winds and sand storm on exit.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?		X		Some need replacement.
Trash and debris contained and disposed of in proper manner?		X		Picked up trash.
Topsoil segregated properly?			X	All construction on site.
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?		X		N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			3
All ESAs and other bio-related exclusion areas marked and avoided?	X			All construction within fence line. No activities in ESAs.

Additional Notes: Great Blue Heron flying NW over site.

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/13/2012

Monitor: Gregg Lukasek
 Weather Conditions: Partly Sunny, Clouds: 25%, Pcp: None
 High Temp (°F): 101 Low Temp (°F): 90

Start Time: 11:30:00 PM Stop Time: 10:30:00 AM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: Plant Site Access Road Gas Line Transmission Line Other (explain)

Activity Log: 11:30pm surveyed and cleared unit one for largo construction activities to begin.
 12:00am attended largo safety meeting.
 12:15am surveyed unit one trenches, holes, power block and laydown areas.
 1:30am surveyed unit two trenches, holes, power block and laydown areas.
 2:45am monitored largo construction activities in unit one.
 3:30am surveyed ponds for Couch's spadefoot toad. No toads were observed.
 4:00am got a call from largo that a lizard was in their work area in unit one. Unable to find the lizard.
 4:30am scanned power block one with telemetry looking for kit fox. No pings detected.
 5:00am scanned access road with telemetry for kit fox. No pings detected.
 5:45am began kit fox telemetry and camera card changes at dens.
 7:15am finished telemetry and camera card changes.
 7:30am additional telemetry near power block one.
 8:00am located may male in power block one. He ran across power block one and took shelter in a trench. Monitored the kit fox.
 10:05am may male still in trench. Shelly took over monitoring the fox.
 10:30am off site

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/13/2012

Monitor: Shelly Dayman
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None
 High Temp (°F): 115 Low Temp (°F): 110

Start Time: 9:30:00 AM Stop Time: 4:30:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0930 access road with several new ponds after weekend rain events, none large enough to complete Couch's lifecycle unless filled again with other rain events
 1000 took over monitoring of May male in trench to west of powerblock 1, verified presence with telemetry at 1000, 1040
 1110 telemetry indicated that fox had moved to trench to south, partial den dug with recent digging, soil still moist, head partially out of dug out cover, both male and female exit dug out cover, see me and run back into dug out cover and begin further excavation, foxes are using trenches as escape routes but returning to dug out cover, female left, using trenches as cover, at 130 and went east, paused where old cover structure used to be and I lost her, male still present at den, noted two entrances now
 0415 access road, sand storm

Monitor Checklist

General	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Desert iguana, DKF

Date & Time: Mon Aug 13 12:04:04 PDT 2012
Position: 11 N 684995 3726435
Altitude: 312ft
Azimuth/Bearing: 002° N02E 0036mils (True)
Elevation Angle: -38.3°
Horizon Angle: -02.5°
Zoom: 1X
artificial burrow, apron, some prints.



Date & Time: Mon Aug 13 12:04:45 PDT 2012
Position: 11 N 684995 3726435
Altitude: 312ft
Azimuth/Bearing: 032° N32E 0569mils (True)
Elevation Angle: -39.5°
Horizon Angle: -07.2°
Zoom: 1X
artificial burrow, apron, some prints.



Date & Time: Mon Aug 13 13:55:45 PDT 2012
Position: 11 N 684483 3727019
Altitude: 364ft
Azimuth/Bearing: 176° S04E 3129mils (True)
Elevation Angle: -20.9°
Horizon Angle: +03.1°
Zoom: 4X
may male DKF in trench onsite



Date & Time: Mon Aug 13 13:56:08 PDT 2012
Position: 11 N 684483 3727019
Altitude: 348ft
Azimuth/Bearing: 171° S09E 3040mils (True)
Elevation Angle: -30.0°
Horizon Angle: +00.1°
Zoom: 4X
may male DKF in trench onsite



Date & Time: Mon Aug 13 13:56:31 PDT 2012
Position: 11 N 684482 3727024
Altitude: 348ft
Azimuth/Bearing: 187° S07W 3324mils (True)
Elevation Angle: -13.5°
Horizon Angle: -00.6°
Zoom: 4X
may male DKF in trench onsite



Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/14/2012

Monitor: Eric German
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 114 Low Temp (°F): 82

Start Time: 5:50:00 AM Stop Time: 6:40:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0550 noted oversize load trailer parked on south side of access road near guard shack. Requested that truck trailers of this size be staged on site and once on egress do not Stop.
 0616 removed 3 kangaroo rat mortalities from access road.
 0645 report of scorpion in trench unit 2 block 2. Removed and released
 0715 inspect channel area and area where CST had been found, se corner unit2, prior to plug removal. No findings.
 0800 crew arrived to remove plug.
 0940 report of coolant leak. Advises to get spill kit and remove contaminated dirt.
 1030 report of DKF in unit 1. Powerblock 1.investigated. Fox not Found
 1115. Staged at DKF dig. 1' dig. To discourage fox use.
 1230 telemetry search for stripe, may18 male, ne portion of unit 1 and powerblock 1. No findings.
 1330 filled in DKF digs. Checked could see back of dig (1 foot). No fixes present.
 1400 monitor plug removal se unit 2 channel. No findings.
 1500 monitor access road. No findings.
 1530 monitor plug removal. No findings.
 1615 monitor last known DKF location , unit 1 near powerblock 1. Foxes not seen.
 1700 monitor channel pond se corner unit 2. No CST findings. 1830 crews shut down monitor access road. Live lizards are roadway. Desert iguana, zebra tail and MFTL.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			Access road signs indicating direction and speeds.
Trash and debris contained and disposed of in proper manner?		X		Picked up litter.
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?		X		Report of speeding/passing vehicle.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			Searched for CST in channel prior to plug removal.
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.			X	N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			1 flying.
All ESAs and other bio-related exclusion areas marked and avoided?	X			ESAs outside of plant side avoided.

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/14/2012

Monitor: Gregg Lukasek
 Weather Conditions: Partly Sunny, Clouds: 20%, Pcp: None
 High Temp (°F): 101 Low Temp (°F): 95

Start Time: 11:30:00 PM Stop Time: 10:00:00 AM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 11:30pm surveyed and cleared unit one for largo construction activities to begin.
 12:15am surveyed plant site using telemetry looking for kit fox. No pings detected.
 2:00am surveyed ponds for couch's spadefoot toad. No toads observed.
 3:20:am surveyed unit two power block, trenches, holes, water tank and laydown areas. No observations made.
 4:30am checked water tank zero. No excessive pooling.
 4:45am monitored unit one construction and power block one.
 5:45am began kit fox telemetry and camera card changes.
 7:00am finished telemetry and camera card changes.
 7:30am at office to download kit fox photos.
 7:55am finished downloading photos in office.
 8:00am telemetry in power block one and the nearby trenches.
 8:35am may male kit fox appeared in power block one and ran into the trench.
 8:40am monitored kit fox in plant site.
 9:40am Shelly took over watching trench.
 10:00am off site

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?		X		Today at 7am I was driving on the access road heading back into the plant site and was passed by a gold Ford F150 truck with CA license plate 6Z41041. In addition to passing me he was also exceeding the speed limit on the access road and inside the plant
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/14/2012

Monitor: Shelly Dayman
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 115 Low Temp (°F): 89

Start Time: 8:00:00 AM Stop Time: 4:15:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0800 access road, removed roadkill including MFTL, zebra-tailed lizard and kangaroo rat
 0900 getting supplies to set up 150' buffer around onsite DKF burrow, BM had confirmed May male present
 0930 May male and uncollared female gone, checked burrows and they are 1' deep pallets, stand and park at pallet location to prevent foxes from returning, DB to determine if pallets can be filled, fox observed at 1030 in powerblock 1, likely female, no ping, couldn't find, went to 1kms, no ping, back to area with pallets to deter foxes from returning here
 0100 with Eric use mud to fill DKF pallets, continue to act as deterrent in this area
 0230 check in areas near powerblock 1 for any DKF, none seen
 0300 check west side of Unit 1 for DKF Stripe, could not locate with telemetry
 0415 access road, no roadkill

Monitor Checklist

General	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.	X			MFTL dead on access road
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			Two on access road near ponded water
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Western whiptail, MFTL, kangaroo rat, Brewer's blackbirds at water tower

Date & Time: Tue Aug 14 10:00:07 PDT 2012
Position: 11 N 684489 3727010
Altitude: 341ft
Azimuth/Bearing: 182° S02W 3238mils (True)
Elevation Angle: -26.8°
Horizon Angle: +00.4°
Zoom: 1X
dkf dig.



Date & Time: Tue Aug 14 07:47:20 PDT 2012
Position: 11 N 688021 3725887
Altitude: 364ft
Azimuth/Bearing: 091° S88E 1618mils (True)
Elevation Angle: -87.4°
Horizon Angle: -87.9°
Zoom: 1X
scorpion release



Date & Time: Tue Aug 14 08:17:48 PDT 2012
Position: 11 N 691602 3722460
Altitude: 3740
Azimuth/Bearing: 049° N49E 0571mils (True)
Elevation Angle: -66.9°
Horizon Angle: -23.9°
Zoom: 1X
roadkill



Date & Time: Tue Aug 14 08:18:49 PDT 2012
Position: 11 N 691608 3722480
Altitude: 381ft
Azimuth/Bearing: 058° N58E 1031mils (True)
Elevation Angle: -83.1°
Horizon Angle: -10.1°
Zoom: 1X
roadkill fringe-toed



Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/15/2012

Monitor: Eric German
 Weather Conditions: Cloudy, Clouds: 0%, Pcp: None
 High Temp (°F): 102 Low Temp (°F): 85

Start Time: 5:35:00 AM Stop Time: 3:45:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0535 inspect access road. Non project truck backing out from beginning of site access. Did not get through gate. No place to turn around.
 0540 checked speed limit sign. Hours are incorrect.
 0545 passed by two vehicles. They were going faster than speed limit.
 0550 nighthawk road mortality. Removed and buried.
 0600 asked compliance to change sign and relay speed limit hours.
 0600 inspect se corner unit 2 and channel ponds. No tadpoles or other CST findings
 0620 work crews arrive. Monitor.
 0650 report of snake unit 1 block 3. Arrived did not find snake. Found sidewinder tracks.
 0730 inspect caisson activity. Unit 1. No findings.
 0900 inspect monitor plug removal. No findings.
 1000 inspect powerblock 1 for may18 male. Pinged near powerblock 1 then lost ping.
 1100 meeting
 1230 monitor plug removal. No tadpoles or CST seen no other findings.
 1315 inspect permanent fence installation. Fence appears able to keep DT out.
 1400 Meeting
 1500 monitor plug removal. 1530 plug removed as far as possible. No CST found in adjacent drained channel pond.
 1535 monitor access road. No findings.
 1545 off site.
 1800 report of DKF at western end of access road about 1/2 mile from site.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		Picked up litter.
Topsoil segregated properly?			X	All construction activities inside plant site.
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?		X		Reported two vehicles speeding and passing to compliance. Report of two other vehicles passing.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			Channel pond for CST cleared prior to plug removal.
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			2 perched on power pole
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/15/2012

Monitor: Gregg Lukasek
 Weather Conditions: Partly Sunny, Clouds: 35%, Pcp: None
 High Temp (°F): 101 Low Temp (°F): 96

Start Time: 11:30:00 PM Stop Time: 9:45:00 AM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 11:30pm surveyed and cleared unit one for largo construction activities to begin.
 12:15am surveyed unit two using telemetry looking for kit fox. No pings.
 2:00am surveyed access road using telemetry looking for kit fox. No pings.
 3:00am surveyed access road for road kill. Removed and buried a killed kangaroo rat.
 3:20 surveyed ponds for couch's spadefoot toad. No toads found.
 4:30am monitored power block one and largo construction in unit one.
 5:20am got a call from largo about a snake. Removed a killed shovel nose snake from unit one.
 5:45am began kit fox telemetry and camera card changes.
 6:00am got a call from largo that they had a sidewinder in unit one. Removed and relocated it.
 6:20am removed a coachwhip from unit two laydown area and relocated it.
 7:40am finished telemetry and camera card changes.
 7:45am downloaded camera card photos.
 8:00am telemetry near power block one.
 8:50am located Stripe and uncollared female in power block one.
 9:40am removed coachwhip road kill and buried it.
 9:45am off site

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			2
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/15/2012

Monitor: Shelly Dayman
 Weather Conditions: Partly Sunny, Clouds: 10%, Pcp: None
 High Temp (°F): 112 Low Temp (°F): 99

Start Time: 10:00:00 AM Stop Time: 4:30:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 1000 removed roadkill desert iguana, zebra-tailed lizard and desert kangaroo rat from access road, left notes on BLM authorized archeo vehicles to park in turnouts and not on side of access road
 1100 arrived where Stripe DKF and female mate have been (near powerblock 1), found neither fox but swept area for tracks then followed tracks to west, lost when sandy soils were replaced with dried mud, appears that fox may have headed to CSAA or west of site but unconfirmed, checked possible trenches for DKF digs on way back
 200 began DT fence check along north and west side of site with simultaneous second telemetry check, no pings for any foxes, also checked east entrance and at dens near access road
 0350 checked sediment pond at front entrance for tadpoles, none seen, fairy shrimp that were previously prevalent not observed
 0415 removed roadkill zebra-tailed lizard from access road

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			Part of DT fence check completed, no breached
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			One drinking at sedimentation pond
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: CORA, desert iguana, western whiptail, zebra-tailed lizard, desert kit fox, killdeer, lesser yellowlegs

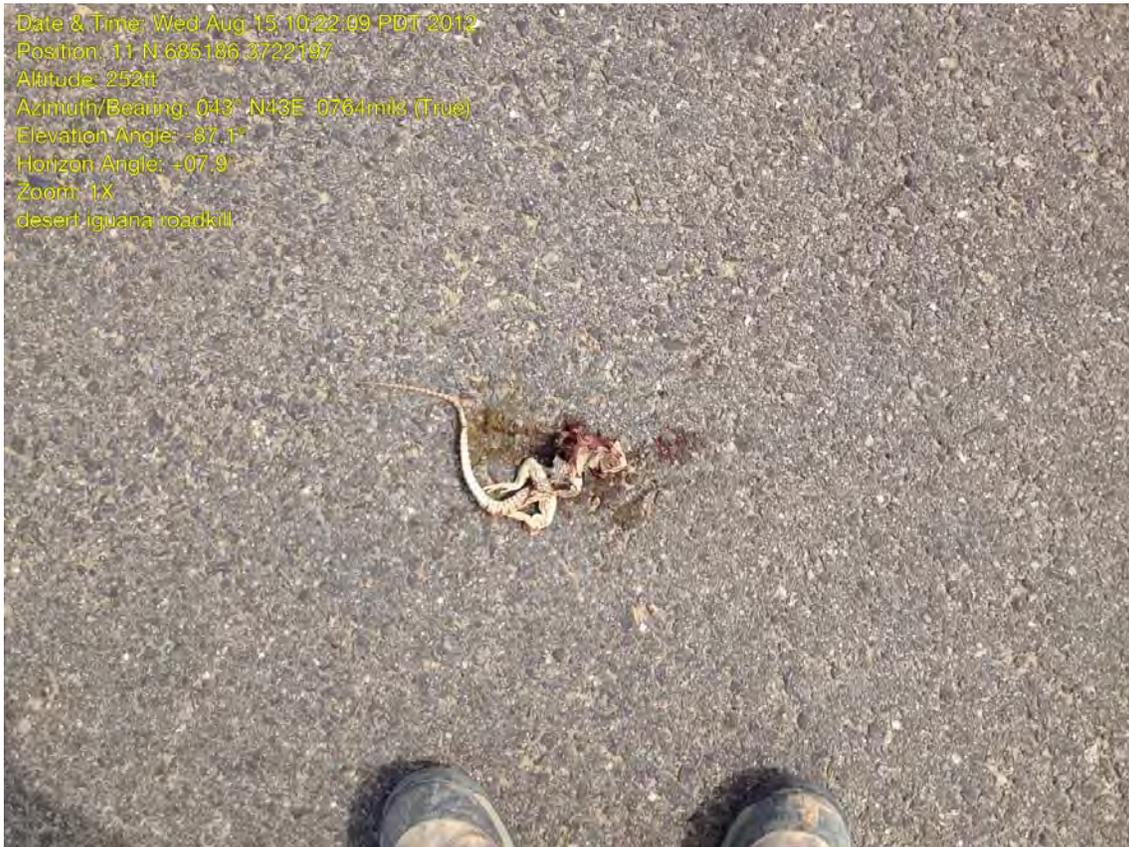
Date & Time: Wed Aug 15 07:24:56 PDT 2012
Position: 11 N 688915 3724487
Altitude: 358ft
Azimuth/Bearing: 257° S77W 4589mils (True)
Elevation Angle: -01.4°
Horizon Angle: -00.3°
Zoom: 4X
coachwhip



Date & Time: Wed Aug 15 07:24:08 PDT 2012
Position: 11 N 688917 3724503
Altitude: 387ft
Azimuth/Bearing: 217° S37W 3858mils (True)
Elevation Angle: -72.8°
Horizon Angle: -19.6°
Zoom: 2X
coachwhip



Date & Time: Wed Aug 15 10:22:09 PDT 2012
Position: 11 N 685186 3722187
Altitude: 252ft
Azimuth/Bearing: 043° N43E 0764mils (True)
Elevation Angle: -87.1°
Horizon Angle: -07.9°
Zoom: 1X
desert iguana roadkill



Date & Time: Wed Aug 15 15:55:34 PDT 2012
Position: 11 N 687910 3725551
Altitude: 358ft
Azimuth/Bearing: 246° S66W 4373mils (True)
Elevation Angle: -07.4°
Horizon Angle: -00.8°
Zoom: 4X
waterbirds at pond



Date & Time: Wed Aug 15 16:16:47 PDT 2012
Position: 11 N 689681 3723895
Altitude: 331ft
Azimuth/Bearing: 168° S12E 2987mils (True)
Elevation Angle: -88.2°
Horizon Angle: +68.6°
Zoom: 1X
zebra-tailed roadkill



Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/16/2012

Monitor: Eric German
 Weather Conditions: Lightning, Clouds: 80%, Pcp: Light
 High Temp (°F): 90 Low Temp (°F): 85

Start Time: 7:40:00 AM Stop Time: 4:40:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0740 report of snake at unit 1 block 2 and snake at unit 2 block 1 (mortality), Unit 1 block 2 snake had already been removed, removed and buried snake mortality (unit 2, block 1 sidewinder)
 0840 report of DKF in powerblock 1, found DKF beneath pipe rack, telemetry indicated DKF was 'Stripe', DKF entered pipe (8" x 25' plastic, open on both ends)
 0930 approached pipe rack to deter fox from pipe, fox exited pipe to south into pipe laydown and entered another pipe (metal, 8" x 30' open on both ends), hazed fox out of pipe, fox went west towards trench area, then traveled to south side of unit 1
 1130 perimeter fence check, no fence issues found.
 1300 report of badger sighting on access road (0900), prepared wildlife incident form to be submitted to agencies
 1330 ping from 'Stripe' DKF was heard near common area, DKF was located in torque tube laydown area, equipment working to west and east
 1400 meeting, BM monitored DKF
 1430 DB monitored fox in torque tube laydown area until equipment shut down
 1600 office
 1615 inspect access road, no findings
 1640 offsite

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			Daytime speed hours to be correctly posted.
Trash and debris contained and disposed of in proper manner?		X		Picked up litter.
Topsoil segregated properly?			X	Construction activities inside tortoise exclusionary fence.
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?		X		Reports of vehicle speeding and passing. Compliance reported the speeding.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?			X	N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		Report of badger sighting on access road.
Tortoise exclusionary fence and/or ramps intact?	X			100% fence check completed. Fence and grate intact.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			2 perched on power pole.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Temporary perimeter tortoise exclusionary fence and tortoise guard checked and noted to be intact.

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/16/2012

Monitor: Gregg Lukasek
 Weather Conditions: Partly Sunny, Clouds: 50%, Pcp: Trace
 High Temp (°F): 99 Low Temp (°F): 95

Start Time: 11:30:00 PM Stop Time: 9:30:00 AM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 11:30pm surveyed and cleared unit one for largo construction activities to begin.
 12:30am removed sidewinder from unit one.
 1:00am did telemetry along access road. No pings.
 2:00am did telemetry in unit one. No pings.
 3:00am searches for sidewinder east of trailer city that a largo worker saw on the road. Did not find sidewinder.
 3:45am walked tortoise fence south of unit one. Intact fence.
 4:50am observed a collared and an uncollared kit fox outside of the fence on the southwest side of unit one. About 30 meters away from fence. Did not see a den nearby.
 5:20am finished walking south fence of unit one.
 5:30am began kit fox telemetry and camera card changes at dens.
 7:05am finished telemetry and camera card changes.
 7:10am downloaded camera card photos.
 7:20am went to unit one to remove a sidewinder.
 7:40am released sidewinder
 7:45am tortoise fence check
 9:20am finished walking tortoise fence. South fence is intact.
 9:30am off site.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			1
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Western banded gecko, sidewinder, desert iguana, kit fox, desert horned lizard, coachwhip.

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/16/2012

Monitor: Shelly Dayman
 Weather Conditions: Raining, Clouds: 80%, Pcp: Light
 High Temp (°F): 88 Low Temp (°F): 84

Start Time: 9:00:00 AM Stop Time: 3:45:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0900 access road, no roadkill
 0915 picked up Gregg from DT fence check
 0930 'Stripe' DKF observed in black pipe near powerblock 1, chased out slowly to west and then south towards 1kms, observed oil spill near sedimentation pond if Unit 1, reported to Jenny Gavaldon, this pond now completely dry, DKF tracks up to where last water would have been
 1230 access road, raining, observed avian wildlife only, finished last CORA point missed from last week
 115 checked DKF burrows known along access road for activity, GKBMK001 filled in, call that DKF Stripe near assembly building (based on telemetry), found him under torque tubes to north of assembly building, heavy equipment being used to west and east so fox monitored in place
 330 access road, no mortalities

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		A lot of yellow caution tape along South fence near sediment pond
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.	X			Report of badger along access road, DB with accurate info
Tortoise exclusionary fence and/or ramps intact?	X			DT fence check completed today, fence intact
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			Two noted drinking from ponded water along access road, within vicinity of CORA 1point count but observed several hours later
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Western whiptail, killdeer, lesser yellowlegs, DKF, CORA, TUVU, zebra-tailed lizard, sidewinder

Date & Time: Thu Aug 16 06:29:52 PDT 2012
Position: 11 N 687991 3725542
Altitude: 335ft
Azimuth/Bearing: 021° N21E 0373mils (True)
Elevation Angle: -56.3°
Horizon Angle: -18.4°
Zoom: 2X
desert horned lizard



Date & Time: Thu Aug 16 08:36:23 PDT 2012
Position: 11 N 687518 3725514
Altitude: 361ft
Azimuth/Bearing: 025° N25E 0444mils (True)
Elevation Angle: -20.6°
Horizon Angle: -01.8°
Zoom: 2X
coachwhip



Date & Time: Thu Aug 16 09:57:12 PDT 2012
Position: 11 N 684740 3727247
Altitude: 374ft
Azimuth/Bearing: 183° S03W 3253mils (True)
Elevation Angle: -19.9°
Horizon Angle: -03.0°
Zoom: 4X
stripe near pb1



Date & Time: Thu Aug 16 10:47:22 PDT 2012
Position: 11 N 685243 3726683
Altitude: 266ft
Azimuth/Bearing: 057° N57E 1013mils (True)
Elevation Angle: -88.6°
Horizon Angle: 28.6°
Zoom: 1X
dead scorpion on site



Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/17/2012

Monitor: Eric German
 Weather Conditions: Partly Sunny, Clouds: 5%, Pcp: None
 High Temp (°F): 92 Low Temp (°F): 80

Start Time: 7:15:00 AM Stop Time: 4:55:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0715 inspect access road. Picked up litter. No other findings.
 0745 telemetry inspection of Torque tube laydown. no findings 0755 inspect powerblock 1 and nearby areas, visually and with telemetry for DKF. No findings.
 0830 remove dead bird (mourning dove) from powerblock 1.
 1000 office
 1045 report of DKF in unit 1, powerblock 1.
 1100 arrive powerblock 1. Investigate area around powerblock 1. Did not find DKF. Did find tracks. 1120 - 1430 monitor trench fill activities in vicinity of powerblock 1. No findings.
 1430 inspect northern half of unit 1. No findings.
 1500 inspect apron of western channel, unit 1. No findings.
 1545 office.
 1645 inspect access road. No findings.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		Picked up litter. Along access road and powerblock 1.
Topsoil segregated properly?			X	All work inside fence.
Topsoil segregation barriers maintained?			X	All work inside fence.
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			Work areas were checked for foxes.
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			All ESAs are outside of fence and were avoided.

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/17/2012

Monitor: Shelly Dayman
 Weather Conditions: Cloudy, Clouds: 35%, Pcp: None
 High Temp (°F): 86 Low Temp (°F): 85

Start Time: 9:00:00 AM Stop Time: 5:00:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0845 change DKF guard shack camera card
 0900 access road, no mortalities
 0930 tracked DKF in powerblock 1, no ping, tracks went south almost to fence and were lost
 1000 DKF telemetry and camera cards, found new DKF burrow at 1KMSA, no lizard mortalities on access road observed despite earlier reports
 0330 office for DKF camera cards and DKF tables for weekly report
 445 access road, high winds, rain in area but not onsite, no mortalities

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			Surveyors given permission by DB to park on north side of access road or in turnouts
Access road signs in place?		X		Additional signs have been lost due to recent winds
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			DB cleared onsite trench were two DKF have been in last several weeks
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			5, two on access road near CORA 1 pt count, one south of access road, 2 at guard shack
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Western whiptail, desert iguana, CORA, TUVU, killdeer

Date & Time: Fri Aug 17 11:46:05 PDT 2012
Position: 11 N 685023 3726628
Altitude: 371ft
Azimuth/Bearing: 297° NS3W 5280mils (True)
Elevation Angle: -34.1°
Horizon Angle: +09.4°
Zoom: 1X
1KMSA DKF burrow



Date & Time: Fri Aug 17 09:29:01 PDT 2012
Position: 11 N 694400 3720854
Altitude: 387ft
Azimuth/Bearing: 127° S33E 2250mils (True)
Elevation Angle: -55.8°
Horizon Angle: +04.5°
Zoom: 1X
guard den



Date & Time: Fri Aug 17 10:10:42 PDT 2012
Position: 11 N 688398.3725147
Altitude: 348ft
Azimuth/Bearing: 064° N64E 1198mils (True)
Elevation Angle: -51.6°
Horizon Angle: -07.7°
Zoom: 1X
gkbtm001



Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/20/2012

Monitor: Eric German
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None
 High Temp (°F): 107 Low Temp (°F): 84

Start Time: 7:15:00 AM Stop Time: 4:45:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0715 inspect access road. Picked up litter. No other findings.
 0800 install wildlife camera at 1kmsa.
 1000 inspect powerblock 1 and nearby trenches. Monitor dirt moving activities and check pipes in same powerblock 1 area. No findings. Most pipes are capped the remainder are to be capped in fusing and welding area.
 1200 inspect unit 1 blocks 2 and 3 and western apron. No findings. 1330 inspect unit 1 for DKF. Picked up litter. No signal nor visual from DKF.
 1400 meeting. Requested capping of pipes in powerblock 1 area.
 1500 discussed road maintenance regarding south side of access road.
 1545 office
 1615 inspect access road. No findings.
 1645 offsite.

Monitor Checklist

General	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		Picked up litter. Access road inside and outside fence
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Work area cleared by BM prior to construction activity beginning?	X			Powerblock 1 area checked for DKF.
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			1 flying
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/20/2012

Monitor: Gregg Lukasek
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None
 High Temp (°F): 99 Low Temp (°F): 90

Start Time: 11:30:00 PM Stop Time: 9:30:00 AM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 11:30pm surveyed and cleared unit one and power block two for largo construction activities to begin.
 12:00am attended largo weekly safety meeting.
 12:30am surveyed access road for road kill and did kit fox telemetry along access road. Removed 2 killed kangaroo rats from access road. No pings detected with telemetry.
 1:30am surveyed unit two trenches, holes, water tank, power block and laydown areas. No wildlife observed.
 2:30am monitored construction in unit one.
 4:00am surveyed power block one and used telemetry for kit fox. No kit fox observed in power block one.
 4:45am surveyed access road for road kill. No road kill found.
 5:30am began kit fox telemetry and camera card changes.
 7:15am finished telemetry and camera card changes.
 7:25am downloading camera card photos in office.
 7:35am finished downloading camera cards.
 7:40am removed a scorpion from outside the assembly building.
 7:50am kit fox telemetry in power block one.
 8:30am in office installing camera onto stakes.
 9:15am surveyed access road for road kill. No observations made.
 9:30am off site

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			2
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/21/2012

Monitor: Eric German
 Weather Conditions: Partly Sunny, Clouds: 15%, Pcp: None
 High Temp (°F): 105 Low Temp (°F): 87

Start Time: 4:30:00 AM Stop Time: 3:30:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: Plant Site Access Road Gas Line Transmission Line Other (explain)

Activity Log: 0430 inspect access road. Vehicles observed were obeying speed limits and spacing. No other findings.
 0500 attended contractor all hands meeting. Talked about wildlife with emphasis on DKF and access road speeds. Also explained the importance of capping pipe. After meeting a DKF sighting was reported from this morning. A badger sighting from previous week was also reported. Both sightings were along access road.
 0600 inspect power block 1 and adjacent areas. No DKF tracks observed. Checked pipe no DKF observed. No other findings.
 0700 access road inspection/report of snake mortality. Coachwhip mortality found on site access road near powerblock 2. Removed and buried.
 0800 inspected CSAA area. No sensitive species findings.
 0915 report of snake powerblock 1. Person had photo of western shovelnose. Could not find snake.
 1030 inspect CSAA. No sensitive species findings.
 1045 report of snake unit 2 block 5. Sidewinder removed and released.
 1115 Inspect channel south of unit 2. No findings.
 1145 inspect power block 2. 1230 reported water tank 2 ponding to compliance. Water ponding was cleaned up next time checked, 1500.
 1300 inspected permanent fence installation. No findings.
 1330 noted that accessible pipes in rack at powerblock were capped.
 1400 meeting
 1500 inspected access road. No findings.
 1530 off site.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			Speed limits correctly posted.
Trash and debris contained and disposed of in proper manner?		X		Picked litter.
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			Unit 1 powerblock and adjacent
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			1 flying.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: White throated swift, cattle egret. Both in channel area unit 2 se side

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/21/2012

Monitor: Gregg Lukasek
 Weather Conditions: Sunny, Clouds: 10%, Pcp: None
 High Temp (°F): 97 Low Temp (°F): 90

Start Time: 11:30:00 PM Stop Time: 9:30:00 AM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 11: 30pm surveyed and cleared unit one and power block two for largo construction activities to begin.
 12:30am surveyed trenches and holes in unit two for trapped wildlife. No trapped wildlife.
 1:20am surveyed access road for road kill and kit fox. No observations made.
 2:00am monitored unit one construction.
 3:00am surveyed for kit fox using telemetry along the entire south and west tortoise fence in unit one. Also searched CSAA and power block one. No kit foxes were detected.
 4:45am surveyed for kit fox using telemetry just outside of plant side and along the east fence of unit two. No kit foxes were detected.
 5:45am began kit fox telemetry and camera card changes at dens.
 7:15am finished telemetry and camera card changes.
 7:20am surveyed access road for road kill. No road kill was found.
 7:40am in office downloading camera card photos.
 7:50am finished downloading photos. Left office.
 8:00am telemetry in power block one and in laydown area north of assembly building. No sign of may male.
 8:30am telemetry along south and west fence of unit one. No pings.
 9:15am surveyed access road for road kill. Removed a dead desert iguana from road and buried it.
 9:30am off site.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/21/2012

Monitor: Matt Kedziora
 Weather Conditions: , Clouds: 10%, Pcp: None
 High Temp (°F): 108 Low Temp (°F): 88

Start Time: 7:10:00 AM Stop Time: 4:10:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0710- meet Eric to discuss day and go over raven monitoring protocol
 0744- in place at AR raven monitoring site 1, begin all raven monitoring sites. End raven monitoring 1135. No ravens seen , could not get shaded Kestrel measurements for temp readings at sites 3 and 4.
 1135- to office to put raven monitoring info into tap forms
 1240- head to northern fence line of Unit 2 with telemetry gear to track DKF #5 and check DT fence
 1440- end fence and Fix telemetry check. Walk north and west of Unit 2 northern fence line with search of fox #5. Turn and walk east and south with scan function. No hits on fox collars, but find fox tracks in area where fence was replaced after storm and has no upper wire segment.
 1535- Monitor Unit 1 power block, with telemetry. Check pipes.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?			X	N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Says phoebe, mourning dove, cattle egret, TUVU

Date & Time: Tue Aug 21 08:55:16 PDT 2012
Position: 11 N 683344 3727447
Altitude: 364ft
Azimuth/Bearing: 327° N33W 5813mils (True)
Elevation Angle: -29.5°
Horizon Angle: -03.5°
Zoom: 1X
desert iguana



Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/22/2012

Monitor: Eric German
 Weather Conditions: Cloudy, Clouds: 55%, Pcp: None
 High Temp (°F): 98 Low Temp (°F): 89

Start Time: 8:30:00 AM Stop Time: 4:45:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0830 reflag demarcation of cones area near Arizona crossing
 0930 inspect access road. No findings.
 1000 inspect unit 2 channels. Cattle egret and lesser yellowlegs observed.
 1030 report of DKF on site sighting around 0200.
 1100 meeting.
 1230 construct new artificial DKF burrow opening at GKBF002. Added a curve and excavated with a Pulaski to make tall narrow vertical walls.
 1400 meeting
 1500 look at ditch, unit 1 block 2 and 3, for ramping of ends. To be ramped tomorrow.
 1600 inspect channels in se corner of unit 2. 4 ravens noted. No other findings.
 1630 inspect access road. No findings. Dust and wind event.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		Picked up litter throughout site.
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?			X	All work in previously disturbed areas.
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			4 ravens total. 3 perched in channel. 1 perched on power pole near channel.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Turkey vulture.

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/22/2012

Monitor: Gregg Lukasek
 Weather Conditions: Sunny, Clouds: 25%, Pcp: None
 High Temp (°F): 97 Low Temp (°F): 90

Start Time: 11:30:00 PM Stop Time: 9:30:00 AM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 11:30 pm surveyed and cleared unit one and power block two for largo construction activities to begin.
 12:30am surveyed unit for wildlife. No wildlife observed.
 1:30am surveyed access road for road kill. Removed and buried 2 desert kangaroo rats.
 2:00am received call from Dave of largo that a kit fox was seen crossing bridge next to trailers and headed in the wash.
 2:05am began searching for kit fox. Was unable to find the kit fox.
 3:45am used telemetry to search for kit fox along south fence of units one and two, the west fence of unit one, the north fence of unit one, the east fence of unit two and the access road. No pings detected.
 5:45am began kit fox telemetry and camera card changes at known dens.
 7:15am finished telemetry and camera card changes.
 7:20am downloaded camera card photos.
 7:30am surveyed access road for road kill. No observations made.
 7:50am telemetry near power block one looking for kit fox. No ping detected.
 8:10am walked south west of 1KMS towards Ford Dry Lake using telemetry and looking for new kit fox dens. No pings or new dens observed.
 9:30am off site.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			2
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/23/2012

Monitor: Eric German
 Weather Conditions: Partly Sunny, Clouds: 30%, Pcp: None
 High Temp (°F): 98 Low Temp (°F): 86

Start Time: 7:50:00 AM Stop Time: 4:30:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0750 inspect access road, observed rainfall water at AZ crossing. No other findings.
 0800 notified of dewatering to be done at AZ crossing. Notified that a porta john had been blown over previous evening near connex area on access road. Porta john was upright when observed.
 0820 inspect channel at SE corner of unit 2. Rainfall water in channel. No other findings.
 0845 surveyed downstream AZ crossing area, no sensitive, threatened or endangered species observed.
 1000 meeting
 1130 office
 1230 inspect access road, no findings
 1300 discuss and set up dewatering location and monitor at AZ crossing, erosion controlled with plastic and sandbags. No issues.
 1600 set up lathe and flagging at AZ crossing area to keep traffic on correct path.
 1630 off site.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			Areas observed and inspected were clean.
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			Cleared and monitored dewater at AZ crossing.
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			2 perched by unit 2 se channel.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/23/2012

Monitor: Gregg Lukasek
 Weather Conditions: Sunny, Clouds: 30%, Pcp: None
 High Temp (°F): 84 Low Temp (°F): 80

Start Time: 11:30:00 PM Stop Time: 8:00:00 AM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 11:30 pm surveyed and cleared unit one and power block two for largo construction activities to begin.
 12:15am searched unit two trenches and holes for wildlife. No observations.
 1:30am surveyed access road for road kill. Removed a kangaroo rat.
 2:00am did telemetry inside plant site in both units.
 4:00am did telemetry along south and fence in unit one. No pings detected.
 5:15am telemetry along access road. No pings detected.
 5:45am began telemetry and camera card changes at known dens.
 7:00am finished telemetry and camera card changes.
 7:05am downloaded camera card photos.
 7:20am checked north fence in both units. Fence still intact after rain event yesterday.
 8:00am off site.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?		X		N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/24/2012

Monitor: Eric German
 Weather Conditions: Sunny, Clouds: 20%, Pcp: None
 High Temp (°F): 98 Low Temp (°F): 89

Start Time: 8:00:00 AM Stop Time: 4:30:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 0800 inspect access road and AZ crossing. Picked up litter. AZ crossing no issues. No other findings.
 0900 inspect unit 2 powerblock 2 area. Picked up debris. Noted large bore uncapped pipe. Pipe can be seen through will be visually inspected until capped. No other findings.
 0930 informed compliance of small washouts in temporary DT fence. Arch and NAM requested for repairs and repairs made by bio. DT fence is 100% intact.
 1015 telemetry of foxes.
 1145 inspect access road. No findings.
 1200 Telemetry at various site locations. No findings.
 1245 Office
 1600 inspect access road. AZ crossing ponding rain water almost gone

Monitor Checklist

General	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		Picked up trash.
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Work area cleared by BM prior to construction activity beginning?			X	N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			BM repaired areas of DT fence where erosion from rain had undermined the fence, DT fence 100% intact. Had plugs installed at end of unit 1 trench.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			One perched
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/27/2012

Monitor: Gregg Lukasek
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None
 High Temp (°F): 94 Low Temp (°F): 84

Start Time: 11:30:00 PM Stop Time: 9:30:00 AM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 11:30pm surveyed and cleared unit one and power block two for Largo construction activities to begin.
 12:00am attended Largo safety meeting.
 12:30 monitored Largo construction activities.
 2:00am surveyed unit two. No wildlife observed.
 3:00am surveyed access road. Removed a dead kangaroo rat.
 3:30am surveyed and monitored unit one construction.
 5:00am surveyed unit two.
 5:45am began kit fox telemetry and camera card changes.
 7:05am finished kit fox telemetry and camera card changes.
 7:30am removed sidewinder from power block one.
 7:45am released sidewinder and did a tortoise fence check on the south and west fence of unit two.
 8:45am finished walking DT fence. DT fence intact.
 9:10am downloaded camera card photos.
 9:30am off site

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/27/2012

Monitor: Mike Ireland
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 105 Low Temp (°F): 76

Start Time: 5:47:00 AM Stop Time: 4:20:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 545 entered site. 600 safety meeting. 620 initial check of unit 1. 635 check water tower at powerblock 1 - no ponding. 650 check NW corner reroute wash - minimal ponding - no evidence of wildlife. 700 calls for shovelnose snake at powerblock 1 and sidewinder at unit 2 block 5. Searched for shovelnose until Gregg arrived - passed search and left for unit 2 block 5. 740 captured sidewinder and released outside plant site fence. 815 checked in with lead cultural monitor and ECM team. 840 DKF telemetry monitoring. 900 call from Vick - vehicle died 920 Got Vick's vehicle running - back to DKF telemetry no DKF observed with telemetry. 1000 perimeter fence check SW corner of plant site to NW corner of plant site - no problems observed. 1030 unit 1 general monitoring. Pipes are capped in staging area. 1100 access road carcass check - no dead wildlife observed. 1120 checked ponded water at plant site entrance for wildlife - no CST or sign observed. 1145 at CSAA to remove nesting bird hazing devices - removed. 1205 unit 2 check - a few pipes in unit 2 block 6 staging area are missing caps - capping requested, PMI says will be capped, and will check tomorrow morning. 1400 daily meeting. 1450 finished meeting and left to capture reported bat in unit 2 block 5 - released. 1520 final monitoring pass for the day. 1620 left site for day.

Monitor Checklist

General	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			2 soaring over unit 1. 1 soaring over the access road.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/27/2012

Monitor: Vick Germany
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 108 Low Temp (°F): 79

Start Time: 6:00:00 AM Stop Time: 4:00:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 6:00 met Mike Ireland for safety meeting & assignment, 7:15 scraped up k-rat road kill on paved access road outside of plant site, 7:55 two ravens perched on power poles along paved access road, 8:10 checked ponded area just inside DT gate. Two spotted sandpipers with winter plumage and one red-necked phalarope in winter plumage. Three white-winged doves perched on guard rail & then on wires between power poles. Three cliff swallows skimmed pond.
 8:50 car would not start and Mike assisted
 9:50 lesser yellowlegs and a female ruddy duck towards the west end of the pond along the south fence.
 10:00 drove to end of the south fence & scanned the desert for kit fox.
 10:10 checked a trench in Unit 2, Block 4, put plastic wrap in trash can.
 10:20 checked two trenches in Unit 2, Block 2 from the paved road.
 10:55 ponded water Unit 2, N of Block 1, checked channel north of Block 1
 11:40 checked channel along Blocks 6 - 8 and holes in Unit 2, block 3
 12:45 two ravens flying northwest over plant site.
 12:50 checked the trenches in Unit 2, Block 2.
 1:10 checked the opposite end of the trench from 10:10 entry.
 1:20 checked pond along the south fence, lesser yellowlegs and female ruddy duck
 2:00 received a call from a cultural resources monitor about small bat in a trench.
 2:30 Mike caught the bat & it was released at rest area
 3:30 two ravens in ponded area east of the access road outside of the plant site.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?			X	N/A
All activities within approved workspace limits?			X	N/A
Only approved access roads utilized for ingress and egress?			X	N/A
Access road signs in place?			X	N/A
Trash and debris contained and disposed of in proper manner?			X	N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?			X	N/A
Speed limit observed by all project personnel?			X	N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?		X		Not all trenches within the plant site have escape ramps
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			2 access road, 2 plant site, 2 ponded area near access road
All ESAs and other bio-related exclusion areas marked and avoided?			X	N/A

Additional Notes: CORA, spotted sandpipers, red-necked phalarope, white-winged doves, cliff swallows, lesser yellowlegs, female ruddy duck

Date & Time: Mon Aug 27 07:44:10 PDT 2012
Position: 11 N 686307 3725777
Altitude: 355ft
Azimuth/Bearing: 128° S52E 2276mils (True)
Elevation Angle: -69.0°
Horizon Angle: -03.1°
Zoom: 2X
juvenile sidewinder relocate



Date & Time: Mon Aug 27 14:49:52 PDT 2012
Position: 11 N 686300 3725890
Altitude: 336ft
Azimuth/Bearing: 227° S47W 4036mils (True)
Elevation Angle: -73.0°
Horizon Angle: -06.6°
Zoom: 2X
Bat ssp. relocated



Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/28/2012

Monitor: Gregg Lukasek
 Weather Conditions: Sunny, Clouds: 10%, Pcp: None
 High Temp (°F): 88 Low Temp (°F): 85

Start Time: 11:30:00 PM Stop Time: 9:30:00 AM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 11:30pm surveyed and cleared unit one and power block two for Largo construction activities to begin.
 12:15am surveyed and cleared unit two.
 1:00am monitored construction in unit one.
 3:00am did telemetry in power block one and along south and west fence in unit one.
 4:15am walked and checked south DT fence of unit one. Fence is intact.
 6:00am began kit fox telemetry and camera card changes.
 8:00am finished telemetry and camera card changes.
 8:15am monitored construction activity in unit one.
 8:45am surveyed access road. No road kill observed.
 9:30am downloading camera cards.

Monitor Checklist

General	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			4
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/28/2012

Monitor: Mike Ireland
 Weather Conditions: Partly Sunny, Clouds: 50%, Pcp: None
 High Temp (°F): 111 Low Temp (°F): 82

Start Time: 7:50:00 AM Stop Time: 5:00:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 750 entered site. 805 checked in with Vick on cleanup outside DT fence west of unit 2 block 5. Confirmed that Chuck Griffin speaking for BLM authorized ATV activity outside the fence during debris retrieval activities today. Reminded Vick to clear all routes the ATV would use during this effort. 855 initial check of unit 1. 920 check water tower at powerblock 1 - no ponding. 945 checked Sukut pumping ponded water collected in NW rerouted wash - asked laborer to move end of pipe to a dry area periodically so ponding would not occur - he did so 1010 DKF telemetry monitoring (plant site perimeter and access road). 1110 access road carcass check - no dead wildlife observed. 1130 unit 1 general monitoring visits. 1250 ponding observed at powerblock 1 water tank (new since morning check) - mentioned in afternoon meeting - water truck operators will be reminded to close tank valve completely after filling. 1315 checked ponded water at plant site entrance for wildlife - no CST or sign observed. 1335 checked ponded water at common area for wildlife - no CST or sign observed. 1400 daily meeting. 1450 released Vick for the day and continued monitoring the plant site. 1535 ponded water at powerblock 1 water tank drawing down though not completely gone - shortly after arrival a backhoe dropped a bucket of dirt in the ponded water - problem solved. 1645 access road carcass check - no dead wildlife observed. 1700 left site for day.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			2 foraging mid-access road 50' north of road.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: CORA AMKE BCNH
 ZTLI SBLI DEIG

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/28/2012

Monitor: Vick Germany
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 108 Low Temp (°F): 82

Start Time: 6:00:00 AM Stop Time: 3:30:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 5:50 saw a crested caracara on a power pole along access road, flew southeast, 6:30 Met with Chuck Griffen (BLM) and Sukut to go over how debris was to be removed from undisturbed desert area to the west of Unit 2, Blocks 4 and 5. Chuck gave permission to Sukut to breach DT fence, drive buggy picking up flood debris in the undisturbed desert to the west of Unit 2, Blocks 4 and 5. He said they were to drag a section of fence afterwards to cover tracks. Checked for debris and DT, DKF, observed DKF tracks, 8:00 raven flying low & calling, west of Unit 2, blocks 4 and 5, 10:10 Chuck asked to check raking of tracks, he confirmed it was sufficient, 12:00 Sukut completed closing DT fence. Checked repaired fence & it was ok. 12:25 turkey vulture (TUVU) drinking water in channel east of trailers with two ravens (CORA); one CORA eating and both flew to buggies; another TUVU arrived and both flew SW, 12:55 drove by buggies and saw one raven by buggy #889357, wrapper, mustard packets and packet on the ground. 1:10 checked trenches in Unit 2, Block 5, 1:45 immature black-crowned night heron in the south channel of Unit 2, Block 5. Also, spotted sandpipers and lesser yellowlegs, 1:55 killdeer and female ruddy duck in channel, 2:30 checked holes in Block 3 and trenches in Block 2 in Unit 2, 3:00 meet Mike at DT grate to look at the pile of dirt outside of the fence, may be removed Wednesday, 3:10 mixed flock of Wilson's and red-necked phalaropes in south channel of Unit 2, Block 10, 3:25 along access road between guard gate and plant site, two CORA next to ponded water.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?		X		Cleanup outside fence, work confined to areas with no veg
All activities within approved workspace limits?			X	See response to #1.
Only approved access roads utilized for ingress and egress?			X	BLM approved breach in DT fence
Access road signs in place?			X	N/A
Trash and debris contained and disposed of in proper manner?		X		trash scattered around the parking area
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			Sukut crew had decals
Speed limit observed by all project personnel?			X	N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			Walked area where debris was removed
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?		X		Not all trenches have ramps
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			1 outside DT fence, west of Unit 2, blocks 4 and 5; 2 at trailers eating trash; 2 access road
All ESAs and other bio-related exclusion areas marked and avoided?		X		Debris removed from intact desert

Additional Notes: Crested caracara, sidewinder, scorpion, CORA, side-blotched & zebra-tailed lizards, DKF tracks & scat, western whiptail, immature black-crowned night heron, female ruddy duck, spotted sandpipers, lesser yellowlegs, Wilson's and red-necked phalarope

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/29/2012

Monitor: Gregg Lukasek
 Weather Conditions: Sunny, Clouds: 15%, Pcp: None
 High Temp (°F): 94 Low Temp (°F): 89

Start Time: 11:30:00 PM Stop Time: 9:30:00 AM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 11:30pm surveyed and cleared unit one and power block two for Largo construction activities to begin.
 12:15am surveyed and cleared unit two.
 1:00am drove access road to check for road kill.
 1:30am monitored construction activity in unit one.
 2:30am did telemetry inside plant site (both units). No pings detected.
 3:30am did telemetry along access road. Removed a road killed kangaroo rat.
 4:15am did telemetry along fence (south, west and north) in unit one. No pings detected.
 5:30am began telemetry and camera card changes at dens.
 7:00am finished telemetry and camera card changes.
 7:15am dropped off telemetry equipment in office.
 7:30am surveyed power block one looking for kit fox or tracks. No observations made.
 8:15am monitored construction activities in unit one.
 8:30am bio safety meeting.
 8:45am scanned power block one and unit one for kit fox. No wildlife observed.
 9:15 surveyed access road for road kill. No road kill found.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			1
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Western whiptail, desert iguana

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/29/2012

Monitor: Mike Ireland
 Weather Conditions: Partly Sunny, Clouds: 20%, Pcp: None
 High Temp (°F): 108 Low Temp (°F): 91

Start Time: 7:45:00 AM Stop Time: 5:00:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 750 entered site. 805 checked in with Vick and Gregg on DT fence walk - all but north fence of unit 1 checked this week - to be completed tomorrow. 820 safety meeting at powerblock 1. 845 ponding observed at powerblock 1 water tank - observed leaking water truck causing ponding - water tank functioning properly - will mention in morning meeting. 855 headed to unit 2 to fill fence gaps detected by Vick in north fence. 1000 Plant site monitoring. 1045 DKF carcass reported on I-10 west of the Wiley's well exit - going to investigate. 1120 located and processed DKF carcass for delivery to CDFG. 1400 daily meeting. 1450 released Vick for the day and continued monitoring the plant site. 1455 monitoring visit to unit 1. 1515 checked ponded water at powerblock 1 water tank - backhoe currently managing ponding. 1530 monitoring visit to unit 2. 1645 access road carcass check - no dead wildlife observed. 1700 left site for day.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			1 drinking from ponded water at main plant site access DT crossing.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: DKF
 CORA AMKE BNST
 ZTLI SBLI DEIG

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/29/2012

Monitor: Vick Germany
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 106 Low Temp (°F): 90

Start Time: 6:00:00 AM Stop Time: 3:30:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 06:10 two red-necked phalaropes in channel by DT grate, 06:20 checked Unit 2 east section of DT fence (Blocks 8-10), DT fence check on N side, Block 8, DKF tracks on outside of fence for about 300', east of Blocks 6 & 7, Unit 2, found three areas with small gaps under DT fence, marked, walked DT fence north of Block 1, Unit 2 until NW corner of Block 1, another gap under DT fence here, 0830 safety meeting, repaired gaps under DT fence with rocks and dirt, 1020 check of Unit 1, 1150 check of trench in Unit 1, Block 2, 1220 two ravens in shade of drilling machine, 1230 check trench in Unit 1, Block 4, 1250 checked holes in Unit 1, Block 2, 110 picked up lathes and garbage in desert at corner of Blocks 3 & 4, 0230 checked channel along Block 8, Unit 1, two spotted sandpipers, 0310 checked access road for roadkill

Monitor Checklist

General	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			Some trash near buggies
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			Two in shade of drilling rig, one on access road, one on power pole on access road
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Ravens, side-blotched lizard, western whiptail, zebra-tailed lizard, kestrel, spotted sandpiper, red-necked phalaropes

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/30/2012

Monitor: Gregg Lukasek
 Weather Conditions: Partly Sunny, Clouds: 40%, Pcp: None
 High Temp (°F): 91 Low Temp (°F): 87

Start Time: 11:30:00 PM Stop Time: 9:15:00 AM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 11:30pm surveyed and cleared unit one and power block two for Largo construction activities to begin.
 12:15am surveyed and cleared unit one.
 1:15am checked access rod for road kill. Removed two killed kangaroo rats.
 2:00am DKF telemetry in CSAA and around the plant site in both units.
 3:45am DKF telemetry along access road and checked for road kill.
 4:20am observed a collared kit fox cross the access road and head north. Was not able to get a ping, got a ping for Yentl in area later. Kit fox crossed at UTM 0692704 3721515.
 4:45am began kit fox telemetry and camera card changes at dens.
 6:50am finished telemetry and camera card changes.
 7:00am at office downloading camera cards.
 7:20am finished downloading photos.
 7:40am back at office to help pack up kit fox carcass.
 8:45am buried dead kit fox with Mike.
 9:15am off site.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Scorpion, western banded gecko, desert iguana, desert kit fox.

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/30/2012

Monitor: Mike Ireland
 Weather Conditions: Cloudy, Clouds: 100%, Pcp: Light
 High Temp (°F): 90 Low Temp (°F): 88

Start Time: 7:45:00 AM Stop Time: 5:00:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 720 received call from Jennie regarding status of DKF carcass 745 entered site. 800 coordinated with CDFG regarding infeasibility of shipping DKF in advanced decomposition. 830 cleared by CDFG to appropriately dispose of DKF carcass. 850 buried DKF carcass south of the access road at the turnout mid way between the guard shack and complex GKBTM001 to maximize distance from nearest complex should a coyote be attracted to the carcass. 925 returned to trailers to clean up the residual mess from the DKF carcass effort. 955 Plant site monitoring. 1100 weekly compliance meeting. 1125 Plant site monitoring. 1310 access road check. 1335 Plant site monitoring. 1400 daily meeting. 1430 released Vick for the day and continued monitoring the plant site. 1645 access road carcass check - no dead wildlife observed. 1700 left site for day.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			1 soaring over access road. 2 perching at Arizona crossing. 2 perching at plant site entrance.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: CORA CLSW
 ZTLI SBLI

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/30/2012

Monitor: Vick Germany
 Weather Conditions: Cloudy, Clouds: 100%, Pcp: Trace
 High Temp (°F): 93 Low Temp (°F): 84

Start Time: 6:00:00 AM Stop Time: 3:30:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 6:30 checked DT fence from trailers to the northwest corner of Block 1, Unit 1, found one gap under fence and filled with dirt, picked up trash. 7:45 Two ravens flying northeast over desert. 7:55 Two loggerhead shrikes in ironwood tree in desert, 9:00 Checked trenches in Unit 1, Blocks 2 and 3, 9:45 Checked channel along Block 8, Unit 1. 10:00 Checked trench in Unit 2, Block 2, report of two scorpions, caught one scorpion, but did not find the second one, released scorpion off-site, 12:35 two juvenile brown-headed cowbirds in Unit 2, Block 3. Checked holes. One cooler (no food), will be left in place tonight, if there tomorrow, it will get picked up, 1:45 Checked channel along Block 10, Unit 2, 2:10 Checked trenches in Unit 2, Blocks 4 and 5, 2:30 Checked access road for road kill--none observed. General Activity - picked up some trash, including food wrappers, ice bags, miscellaneous pieces of plastic and water/sports drink bottles.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?			X	N/A
All activities within approved workspace limits?			X	N/A
Only approved access roads utilized for ingress and egress?			X	N/A
Access road signs in place?			X	N/A
Trash and debris contained and disposed of in proper manner?	X			food wrappers, water bottles, pieces of plastic and ice bags
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?			X	N/A
Speed limit observed by all project personnel?			X	N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			Fence intact after filling one area of the fence
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			Two ravens flying northeast over undisturbed desert.
All ESAs and other bio-related exclusion areas marked and avoided?			X	N/A

Additional Notes: CORA, LOSH, side-blotched lizards, western whiptail, zebra-tailed lizards, Wilson's phalarope, spotted sandpiper, scorpion, juvenile brown headed cowbirds, red-necked phalarope, lesser yellowlegs, spotted sandpiper, white-faced ibis.

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/31/2012

Monitor: Mike Ireland
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 101 Low Temp (°F): 89

Start Time: 7:45:00 AM Stop Time: 2:45:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 745 entered site and started DKF camera and telemetry tasks. 825 received Sidewinder report call and went to retrieve. 840 took Sidewinder outside plant site for release. 900 continued DKF tasks. 945 returned to trailer to process wildlife camera cards. 1020 plant site monitoring. 1415 released Vick for the day and continued monitoring the plant site. 1430 access road carcass check - no dead wildlife observed. 1445 left site for day.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			3 perching at plant site entrance, 2 on ground unit 1 block 2.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: CORA GREG WFIB GBHE
 Sidewinder

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 8/31/2012

Monitor: Vick Germany
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 100 Low Temp (°F): 81

Start Time: 6:00:00 AM Stop Time: 2:15:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

Circle One: **Plant Site** **Access Road** **Gas Line** **Transmission Line** **Other (explain)**

Activity Log: 6:00 Checked trenches in Unit 2, Blocks 4 and 5, 7:00 Checked holes in Unit 2, Block 3, 8:00 Received call from Charly about two snakes, which Gary removed, 8:10 Checked trenches in Block 2, Unit 2, 8:50 Checked channel along Block 8, Unit 1, 9:40 Checked covering of caisson, 10:05 Checked trench in Block 2, Unit 1, 10:40 Observed two ravens land in the caisson work area,
 11:10 Checked water tank in Unit 2, 11:20 Checked trenches in Block 3, Unit 1.
 1:25 Picked up red cooler that was left in Unit 1, Block 3.
 1:45 Returned gear and brought in the cooler I found.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			two ravens land in the caisson work area
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Killdeer, kestrel, yellow-headed blackbirds, least sandpipers, western kingbird, white-faced ibis, great blue heron, antelope ground squirrel, spotted sandpiper, lesser yellowlegs, red-necked phalaropes

Date & Time: Fri Aug 31 08:37:55 PDT 2012
Position: 11 N 685813 3726956
Altitude: 319ft
Azimuth/Bearing: 215° S35W 3822mils (True)
Elevation Angle: -81.9°
Horizon Angle: -37.7°
Zoom: 1X
sidewinder to relocate



ATTACHMENT 4

SURVEY DATA FORMS



AECOM
1420 Kettner Boulevard
Suite 500
San Diego, CA 92101
www.aecom.com

619.233.1454 tel
619.233.0952 fax

August 9, 2012

Jennifer Field
NextEra Energy Resources, Inc.
700 Universe Boulevard
Juno Beach, Florida 33408

Subject: Report Summarizing Results of the Genesis Solar Energy Project July 2012 Storm Event Couch's Spadefoot Toad Monitoring Surveys

Dear Ms. Field:

This letter summarizes results of monitoring surveys conducted by AECOM to evaluate the presence or absence of the Couch's spadefoot toad (*Scaphiopus couchii*; CST) in ponding water within the Genesis Solar Energy Project (GSEP or Project) plant site and along the plant site main access road. AECOM conducted monitoring surveys on behalf of NextEra Energy Resources, Inc. (NextEra) in satisfaction of Condition of Certification (COC) BIO-27, as required by the California Energy Commission (CEC).

Project Description

The Project site is located in Riverside County, California, between the community of Desert Center and the city of Blythe. The Project is located on land owned by the federal government and managed by the Bureau of Land Management (BLM), pursuant to a right-of-way grant issued to Genesis Solar from BLM and the power plant certification issued by CEC. The total Project disturbance area (at build-out) will be approximately 1,819.5 acres.

The Project is a concentrated solar electric-generating facility that will use parabolic trough technology to generate electricity. The Project consists of two independent concentrated solar electric-generating facilities with a nominal net electrical output of 125 megawatts (MW) each (Units 1 and 2), for a total net electrical output of 250 MW. The plant site includes the solar arrays, power blocks, power-generating equipment, support facilities, and evaporation ponds. The linear facilities include a transmission line, distribution line, natural gas pipeline, and a main access road. These areas together make up the Project Area.

A major storm event occurred in the morning of July 31, 2012, when a large quantity of above-ground water came from mountains to the north (and upslope) of the Project. The surface flow, coupled with torrential downpour onto the Project site, created a flood event across the Project site. The drainage channels around the periphery of the Project site filled with water resulting in the creation of several temporary ponds. Additional ponding occurred throughout the graded solar blocks in both Unit 1 and Unit 2. Several ponds also formed along the east side of the main access road to the Project site.

On August 1, 2012, the Designated Biologist (DB) was conducting biological monitoring of the Project site to assess post-storm event conditions. During the monitoring effort, a Couch's spadefoot toad was detected within a drainage channel within the Project disturbance area. The drainage channel was constructed as part of the Project and required

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NextEra Energy Resources, Inc.
August 9, 2012
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repair and maintenance following the storm event. This detection of CST triggered subsequent surveys and relocation efforts per COC BIO-27 and the Couch's Spadefoot Toad Protection and Mitigation Plan as summarized in this letter report.

Background Information

Regulatory Status

The CST is considered a species of special concern by the California Department of Fish and Game (CDFG) (State of California 2011) due to disturbance of breeding habitat from off highway vehicles inducing emergence under highly unfavorable conditions and altering the percolation characteristics of the substrate in a manner that makes pools too short lived for larvae to attain metamorphosis (Jennings and Hayes 1994). The species is also covered under the Northern & Eastern Colorado Desert Coordinated Management Plan (NECO; BLM and CDFG 2002).

Life History

CST is found in southeastern California, east through Arizona, New Mexico, Texas, and Oklahoma, and south to San Luis Potosi, Nayarit, Mexico, at the southern tip of Baja California, Mexico; an isolated population is also found in Colorado. In California, CST is found in the extreme southeast, including southeastern San Bernardino County and eastern Riverside and Imperial Counties (Jennings and Hayes 1994). The Project Area is west of the range described in the NECO for CST (BLM and CDFG 2002). The closest known record for this species is from a breeding pond in an old borrow pit near the intersection of Interstate 10 and Wiley's Well Road (Dimmitt 1977 in Jennings and Hayes 1994). Habitat for the CST consists of extremely xeric areas with sandy, well-drained soils, often associated with creosote bush and mesquite trees (Arizona-Sonora Desert Museum 2010). Friable soils are important, as adults bury themselves and dig burrows to avoid desiccation. CST can remain underground without emerging for as many as two rainless summers (CaliforniaHerps 2010). For breeding, they require temporary ponds that hold water for a sufficient amount of time to reproduce, typically at least 8 or 9 days. These ponds are created during seasonal rainstorms; thunder and/or very low levels of precipitation (<0.5 mm) elicit emergence from subterranean burrows (Dimmitt and Ruibal 1980).

Survey Methodology

AECOM biological monitors Andrew Fisher and Michael Ireland conducted presence/absence surveys for CST between August 1 and 3, 2012. Surveys included mapping all major ponded features (ponds that would hold water for at least 9 days) within the Project site, and along the main access road. At dusk (usually around 7:30 p.m.) biologists slowly drove to each ponded feature to listen for vocalizing toads. If no toads were heard, then biologists slowly walked around the periphery of the ponded feature and scanned the edges for toads. High-powered flashlights were used to look for toad eye-shine, or for the outline of toads along the water's edge. If no toads were seen or heard, biologists would continue on to the next ponded feature. After checking all ponded features in the

Jennifer Field
 NextEra Energy Resources, Inc.
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Project site, biologists slowly drove the main access road and scanned each ponded feature for toads.

Before conducting evening surveys, biologists drove around the Project site and nearby vicinity to look for suitable release locations. A release location was determined suitable if it contained a large ponded feature (that would hold water for at least 9 days), was not adjacent to any major road, and had suitable adjacent sandy soils for toads to bury into. No ponds along the main access road or around the periphery of the Project site met these criteria; therefore, the closest suitable location was Ford Dry Lake. If any CST were located during surveys, they were captured and relocated to Ford Dry Lake.

Results

On August 1, 2012, during routine monitoring of repairs after the flood event, the Project DB, Eric German, heard what sounded like the quack of a duck, or bleat of a lamb. Upon investigation, he discovered a male CST near the southeast corner of the Project site calling from a large metal culvert inside the easternmost drainage channel (Figure 1). The drainage channel has a soil cement-lined bottom where a large pond formed after the storm event. Given the presence within the Project disturbance area and need for repair and maintenance activities, the toad was considered to be in harm's way. Per COC BIO-27 and the Couch's Spadefoot Toad Protection and Mitigation Plan, the toad was relocated out of harm's way to similar habitat. Since it was during the middle of the day, the toad was left in place in the culvert until it could be relocated during evening hours and a suitable relocation site identified. This toad was relocated on August 1, 2012; following relocation, additional surveys were initiated to further assess ponded areas within the Project Area.

A second male CST was discovered along the west side of the same pond on August 3, 2012. The complete details of each CST observation and weather conditions at both the capture and release sites are given in Tables 1 and 2 below. A photo of each CST is provided at the end of this report (Photos 1 and 2), as well as photos of the location where the CST were discovered (Photos 3 and 4).

**Table 1
 Dates, Times, Personnel, Weather Conditions, and Observations for CST Surveys**

Survey #	Date	Time	Personnel	Weather	Observations
1	08/01/2012	19:00-23:30	Andrew Fisher	Start: 102°F, 0% clouds End: 93°F, 0% clouds	1 CST
2	08/02/2012	19:00-23:15	Andrew Fisher Michael Ireland	Start: 101°F, 20% clouds End: 94°F, 70% clouds	No CST observed
3	08/03/2012	19:00-0:35	Andrew Fisher	Start: 92°F, 0% clouds End: 88°F, 0% clouds	1 CST

Table 2
Couch's Spadefoot Toad Occurrences

CST INFORMATION	CST1	CST2
Life Stage	adult	adult
Sex if known	male	male
Behavior	healthy, in water	healthy, in water
Vocalization heard	yes	yes
Capture Date	August 1, 2012	August 3, 2012
Release Date	August 1, 2012	August 3, 2012
CAPTURE SITE		
Location	GSEP plant site	GSEP plant site
Description	unvegetated construction channel in a mud filled culvert	unvegetated construction channel in a mud filled culvert
Coordinates (UTM 11, NAD83)	3725632,687903	3725545,687903
Time	5:55 AM	9:30 PM
Temperature (F)	81	94
Turbidity of Water (of adjacent pond)	very murky	very murky
Depth (of adjacent pond)	deep, at least 1-2 feet	deep, at least 1-2 feet
Weather	full moon, clear skies, very humid	almost full moon, clear skies, very humid (at least 50%)
RELEASE SITE		
Location	Ford Dry Lake	Ford Dry Lake
Description	ponded area with creosote bush scrub, ironwood, and tamarisk trees	Ponded area with creosote bush scrub, ironwood, and tamarisk trees.
Coordinates (UTM 11, NAD83)	3720798,686868	3720845,686844
Time	10:45 PM	11:45 PM
Temperature (F)	93	93
Turbidity of Water (of release pond)	murky, could only see a few inches down	murky, could only see a few inches down
Depth (of release pond)	at least 2-3 feet deep in some sections	at least 2-3 feet deep in some sections
Weather	full moon, clear skies, very humid	almost full moon, clear skies, very humid (at least 50%)

Relocation Site

Both CST were released into a large pond at Ford Dry Lake in the late evening hours. This pond was at least several hundred feet long, and 50 feet wide. The pond was several feet deep in sections and had suitable upland creosote bush scrub habitat for CST to bury once the pond dries up. There are several large trees and debris to provide shelter. The pond is not near any major roads and has adjacent muddy and sandy soils.

Jennifer Field
NextEra Energy Resources, Inc.
August 9, 2012
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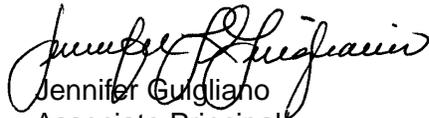
Silt Fence Installation

Upon detection of the second toad, project biologists recommended that the pond be temporarily avoided to allow additional surveys and further assessment of the area. The extent of construction repair and maintenance was adjusted to allow for temporary protection of the pond for this period. Silt fence was installed around portions of the ponded feature where both CST were found. The silt fence was installed in sections to prevent soil from caving into the ponded feature (north and west sides of the pond; Photos 3 and 4). The silt fence will be left in place and construction activities will avoid this area for 9 days from the relocation of the second CST (on August 3, 2012) to allow for additional surveys and for potential larvae to attain metamorphosis. Since no female toads were detected, the potential for larvae is considered low.

Certification Statement

Qualified AECOM biologists who conducted CST monitoring surveys for the GSEP certify that the information in this survey report fully and accurately represents the work performed by AECOM biologists. Signatures of AECOM biologists (Andrew Fisher, Michael Ireland) who conducted monitoring surveys are included below. If you have any questions or require additional information, feel free to contact me at (619) 233-1454.

Sincerely,



Jennifer Guidiano
Associate Principal/
Project Director



Andrew Fisher
Wildlife Biologist



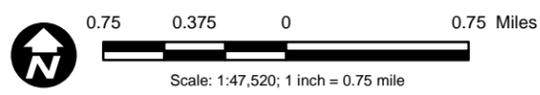
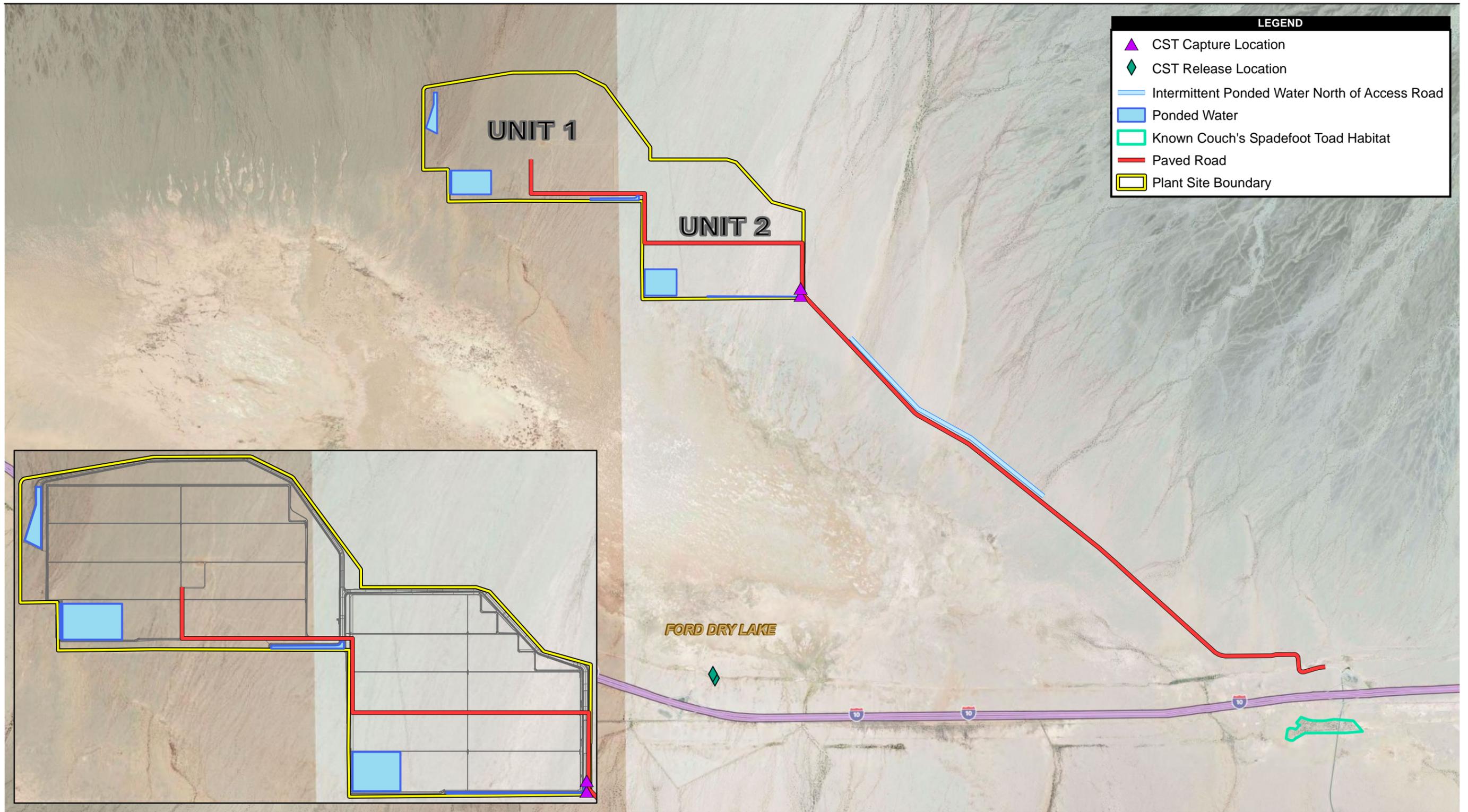
Michael Ireland
Wildlife Biologist

Attachments: Map: Couch's Spadefoot Toad Capture and Release Locations, August 1–3,
2012
Photo Log

Jennifer Field
NextEra Energy Resources, Inc.
August 9, 2012
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Literature Cited

- Arizona-Sonora Desert Museum. 2010. Couch's spadefoot (*Scaphiopus couchi*). Available at http://www.desertmuseum.org/books/nhsd_spadefoot.php.
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- CaliforniaHerps. 2010. California Reptiles and Amphibians. Available at <http://www.californiaherps.com/frogs/pages/s.couchii.html#moreinfo> Site Accessed December 30, 2010.
- Dimmitt, M. A. 1977. Distribution of Couch's spadefoot toad in California (preliminary report). Prepared under Contract Nos. C-062, 6500 and 1792 Sundesert for the Bureau of Land Management, Riverside, California. Unpub. rept.
- Dimmitt, M. A. and R. Ruibal. 1980. Environmental correlates of emergence in spadefoot toads (*Scaphiopus*). *J. Herp.* 14(1):21-29.
- Jennings, M. R., and M. P. Hayes. 1994. Amphibian and reptile species of concern in California. Prepared under Contract No. 8023 for the California Department of Fish and Game, Rancho Cordova, CA. 255 pp.
- State of California. 2011. The Natural Resources Agency. California Department of Fish and Game. Special Animals (898 taxa) List. January.



**Couch's Spadefoot Toad
 Capture and Release Locations, August 1-3, 2012**



Photo 1: Couch's Spadefoot Toad Captured and Released August 1, 2012.



Photo 2: Couch's Spadefoot Toad Captured and Released August 3, 2012.



Photo 3: Couch's Spadefoot Toad Capture Location and Silt Fence Enclosure.



Photo 4: Couch's Spadefoot Toad Capture Location and Silt Fence Enclosure.

ATTACHMENT 5
CORRESPONDENCE

From: Kalish, John R [<mailto:jkalish@blm.gov>]
Sent: Thursday, August 02, 2012 3:01 PM
To: Siegelstein, Andrew; Pogacnik, Thomas M
Cc: Stein, Kenneth; Roberts, Holly L; cody.bryant@laurenec.com; Johnson, Ron; chris.meyer-pu@us.bureauveritas.com; 'Veerkamp, Eric@Energy'
Subject: RE: Genesis Update: Desert Tortoise Fence Repairs/Replacement

Hello Andy:

Thank you for your description of work to be accomplished in the repair and replacement of desert tortoise fencing. This description of work is determined to meet BLM requirements and is approved. We look forward to reviewing additional project repair measures once your damage assessments are complete.

Please contact me if you have any questions on this matter.

John R. Kalish, Field Manager
Palm Springs-South Coast Field Office
1201 Bird Center Drive
Palm Springs, CA 92262
Office: (760) 833-7100
FAX: (760) 833-7199

From: Siegelstein, Andrew [<mailto:Andrew.Siegelstein@nexteraenergy.com>]
Sent: Thursday, August 02, 2012 10:15 AM
To: Kalish, John R; Pogacnik, Thomas M
Cc: Stein, Kenneth; Roberts, Holly L; cody.bryant@laurenec.com; Johnson, Ron
Subject: RE: Genesis Update

Hi John. I left you a voicemail. Let's discuss.

Briefly, we just discussed your concerns with the site folks and the only fence work that continues is by hand (no equipment). However, we'd like to get equipment back in there (trencher, bobcat, gators – but no pickup trucks), so we would like to clarify the plan with you and get your concurrence, to facilitate expeditious, but minimally invasive, completion.

The details requested in your email are as follows:

- 12ft outside the existing tortoise fence. There is a 3ft buffer outside the fence. Therefore, the 12ft restriction is places us 9ft outside the ROW. This is necessary, because the permanent drainage structure is very close to the tortoise fence on the inside. Note that pickup trucks were permitted outside the tortoise fence during the initial construction of the tortoise fence, so our current plan is no more than the initial construction, and likely less. We will also need to be outside the tortoise fence when we will take it down, after the completion of the permanent fence. There is an existing plan for mitigating and revegetating when the tortoise fence is removed – we will implement it.
- Yes, all work will be done within the existing APE. No, there are not any known cultural resources affected by work that had been avoided and/or mitigated. The repairs in the

southwest area that are near the 9072 site will be done from inside the fence, to avoid 9072 completely.

- Cultural and biological monitors are monitoring now and will continue to do so until completion.
- The disturbance outside the tortoise fence will be fully restored per the existing plan for mitigating and revegetating when the tortoise fence is removed, as noted above. The temporary road will be limited to the 50ft buffer that is permitted by the current ROW.

Please call me back, to assure that we talk through these points and that we are addressing all concerns satisfactorily.

Regards,

Andy

S. Andrew Siegelstein
Sr. Director, Engineering and Construction
andrew.siegelstein@nexteraenergy.com
700 Universe Blvd, Juno Beach, FL 33408
T: 561.304.5945 | M: 561.346.7866



From: Kalish, John R [<mailto:jkalish@blm.gov>]
Sent: Thursday, August 02, 2012 11:59 AM
To: Siegelstein, Andrew; Pogacnik, Thomas M
Cc: Stein, Kenneth; Roberts, Holly L
Subject: RE: Genesis Update

Thank you for the status update.

We recognize the need for the desert tortoise fence repairs and understand that that work had started using equipment (tracked trencher, Bobcat, tracked auger etc.), however, it has not stopped until the details can be worked out. We understand that equipment/personnel access is necessary outside of the existing fence in order to complete this work. These details are:

- Is there a maximum identified distance, outside of the existing desert tortoise fence, that personnel/equipment will be limited to during repairs?
- Will all work be done within the cultural APE (surveyed area) and are there any known cultural resources affected by work that had been avoided and/or mitigated?
- What provisions will be made to have cultural and biological monitors assessing the work?
- What provisions will be taken to restore disturbance outside of the fence including closure of a developing roadway given that there is not to be an access road outside of the project fence?

We will need to keep assessing resource protective measures, under the right-of-way grant, as flood damage is assessed and repairs needs identified.

We look forward to outlining these desert tortoise fence protective measures.....

John R. Kalish, Field Manager
Palm Springs-South Coast Field Office
1201 Bird Center Drive
Palm Springs, CA 92262
Office: (760) 833-7100
FAX: (760) 833-7199

From: Siegelstein, Andrew [<mailto:Andrew.Siegelstein@nexteraenergy.com>]
Sent: Wednesday, August 01, 2012 4:44 PM
To: Pogacnik, Thomas M; Kalish, John R
Cc: Stein, Kenneth; Roberts, Holly L
Subject: Genesis Update

Tom, John,

Our site team at Genesis has assessed the storm damage and initiated repairs. We are focusing on environmental compliance issues as our top priority. Our compliance people on site have been working closely with their counterparts at CEC and BLM and with AECOM. After the initial assessment and coordination, we shut down non-essential work at 1:30 PM, to allow the earthwork and fence contractors do their work to restore access/egress and repair/replace tortoise fencing. We expect to resume deliveries tomorrow morning. We will continue dewatering as we resume normal construction tomorrow. The highlights are as follows:

Spills and hazardous materials – none.

Double metate features – no movement, minor silt deposits, no action required. George Kline visited today.

Couch's Spade Foot Toad – appeared today by the road in the SE corner of the site – it is in harm's way and biologists are planning to remove/relocate it. Consultations were conducted with BLM and CEC staff.

Tortoise fence: we have Crown Fence repairing and replacing as appropriate with overtime and expect to complete by Saturday evening. The permanent fence installation is suspended while the tortoise fence work takes priority. The work is as follows:

- East side of Unit 2 – silt fence will replace an area of about 2,500 – 3,000ft.
- North side of both units – the fence was breached in about 20 places – it is being repaired.
- West side of both units – no breaches (except SW corner of U1, see below).
- South of Unit 1 – silt fence will replace an area of about 100 – 125yd.
- SW corner of Unit 1- silt fence will replace an area of about 300yd going North and 150yd East
- SE corner of Unit 2- silt fence will replace an area of about 50yd

Off site debris: the torrent carried some material from the laydown yard in the Common area through the fence up to half a mile or more South and Southwest of the site. We will retrieve all debris as the ground dries up. Our initial attempts today showed that the ground is too soft and we want to minimize impact, so we'd like to get more favorable conditions before we proceed (expect Friday).

We can discuss as needed. Please call me on my cell (561-346-7866) any time. I can give you additional updates in the next 2 days (calls or emails).

Regards,

Andy

S. Andrew Siegelstein
Sr. Director, Engineering and Construction
andrew.siegelstein@nexteraenergy.com
700 Universe Blvd, Juno Beach, FL 33408
T: 561.304.5945 | M: 561.346.7866



From: Pogacnik, Thomas M [<mailto:tpogacni@blm.gov>]
Sent: Wednesday, August 01, 2012 8:51 AM
To: Stein, Kenneth; Kalish, John R
Cc: Roberts, Holly L
Subject: RE: Genesis

If possible, have Andy send me an email. I'll be in an REPG meeting until 5:30 and then a meeting with CalWEA until 7:30. I hope things are better than the photos showed. Tom

From: Stein, Kenneth [<mailto:Kenneth.Stein@nexteraenergy.com>]
Sent: Wednesday, August 01, 2012 5:44 AM
To: Kalish, John R; Pogacnik, Thomas M
Cc: Roberts, Holly L
Subject: Genesis

John/Tom:

I know you are both aware of the major rain event at Genesis. I wanted to let you know that the project will be assessing site conditions today and that Andy Siegelstein (NextEra Construction Director) will be reaching out to both of you in person to summarize that assessment.

If either of you have any specific questions or concerns about conditions at the site, don't hesitate to call Andy directly at 561-304-5945.

Thank you

Kenny Stein | Environmental Manager | kenneth.stein@nexteraenergy.com
NextEra Energy Resources, 700 Universe Boulevard, Juno Beach, FL. 33408
T: 561.691.2216 | M: 561.762.5875

From: chuck.griffin@us.bureauveritas.com [<mailto:chuck.griffin@us.bureauveritas.com>]
Sent: Tuesday, July 31, 2012 5:43 PM
To: Cody.Bryant@laurenec.com
Cc: jkalish@blm.gov; chris.meyer-pu@us.bureauveritas.com; Charly Mosley
Subject: BLM Authorization for emergency road construction at Bio Gate and retrieval of construction debris from flood event of July 31, 2012

Cody,

By way of this email, the BLM authorizes Genesis to construct a temporary road at the washed out Bio Gate entrance due to the flood event of July 31, 2012. The road will be removed and the area reclaimed to native conditions when the weather allows. Cultural and Biological Monitors will be notified and present for reclamation work.

Genesis is also authorized to enter outside the fenced area south of the Sedimentation Pond to retrieve debris that was deposited from the site. Equipment that causes minimal disturbance is approved for use, such as small track equipment or similar. Cultural and Biological Monitors will be notified and present. The area will be reclaimed to native conditions.



Chuck Griffin
Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle Suite 150
Sacramento, CA 95834
P: 916.617.2028
F: 916.617.2068
C: 916.826.2670
chuck.griffin@us.bureauveritas.com
www.us.bureauveritas.com/energyusa
ISO 9001:2008 Certified

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Appendix C

Haz-6

Worker Environmental Awareness Program Training

34

AUGUST 2012

Genesis Site Safety Orientation + weap

	Signature	Print Name	Company
1	[Signature]	ROBERT L. MARTINO	LARGO CONC
2	[Signature]	JONATHAN CASTRO	LARGO
3	[Signature]	STEVE BRENNAN	RAIN FOR RENT
4	[Signature]	Justin Peicut	Rain For Rent
5	[Signature]	Jonathan Sorenson	Rain For Rent
6	[Signature]	Beno Flores	Rain For Rent
7	[Signature]	Carl Crane	Carl Crane Trucking
8	[Signature]	[Signature]	[Signature]
9	[Signature]	TODD BOTT	LARGO
10	[Signature]	RAFAEL CORONA	LARGO
11	[Signature]	EDUARDO FRUITS	LARGO
12	[Signature]	FERNANDO MUÑOZ	LARGO
13	[Signature]	ADOLPH QUINK	LARGO
14	[Signature]	WILLIAM KIFFER	LARGO
15	[Signature]	STEVE LEANSQUEZ	ZARP
16	[Signature]	TIM HINER	LARGO
17	[Signature]	Kyle Ishimon	LARGO
18	[Signature]	NATHAN MOSBY	LARGO
19	[Signature]	Roger H. Leri	LARGO
20	[Signature]	Armando Aguilar	AD
21	[Signature]	Joss J. Escobero	LARGO
22	[Signature]	Reginald Wortham	Anderson
23	[Signature]	Mark Fox	dan ba
24	[Signature]	ISAAC EKITTY	LARGO
25	[Signature]	MARC HANSON	VOLVO
26	[Signature]	GARY HANSENBERG	VOLVO
27	[Signature]	Matt Johnson	PCS
28	[Signature]	Chris Wells	PCS
29	[Signature]	Daniel Davidson	LARGO
30	[Signature]	MIKE A. BRAUER	Pebhall co.
31	[Signature]	Mario Perez	Pebhall co.
32	[Signature]	JAMIE COENRAAT	PEBHALL CO.
33	[Signature]	Tyler Cape	pebhall
34	[Signature]	Candice George	LARGO
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/wear

Genesis Site Safety Orientation

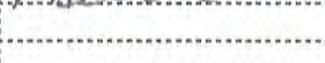
ARB Inc.

Month: August-2012

Signature	Print Name	Company	Date
	HAROLD HELTHOUSE	ARB	7/30/12
	Randy Scudder	ARB	7/30/12
	Raymond A. Smith III	ARB	7/30/12
	Manuel Bonicus A	ARB	7/30/12
	Lee B. Constante	ARB	07-30-12
	Tom Hembree	ARB	7-30-12
	John Nunley	ARB	7-30-12
	RUBEN BELTRAN	ARB	7-30-12
	CARL KUKOK	ARB	5/1/12
	NOE OCHOA	ARB	8-2-12
	Lauren Sprague	LAUREN	8-2-12
	KAWIKA ROSS	ARB	8-6-12
	April Vazquez	ARB	8-6-12
	Randy Gabbitas	ARB	8-9-12
	Christine Fickel	ARB	8/9/12
	RIK ROSE	ARB	8-9-12
	Ryan Brandenburg	ARB	8-12-12
	PAUL DURAN	ARB	8-12-12
	Joseph M. Elias	ARB	8-13-12
	Terey L. Spauldy	ARB	8-13-12
	RAYMONDO PAVIA	ARB	8-13-12
	MANUFO PAVIA	ARB	8-13-12
	ARAURA CANO	ARB	8/13/12
	DUKE SINNER	ARB	8/20/2012
	John Paul Pidgeon	ARB	8-20-2012
	Gary W. Byrd	ARB	8-23-2012
	Roberto Sanchez	ARB	8-23-12
	Gilberto LARA	ARB	8-23-12
	Justin W. Byrd	ARB	8/23/12
	MATTHEW ERICKSON	ARB	8/27/12
	Chip A. Erickson	ARB	8/27/12
	Pete R. Magana	ARB	8/27/12
	SERGIO MARTINEZ	ARB	8-22-12
	George Gonzalez	ARB	8-22-12
	Ramiro Mendez	ARB	8-27-12

3

Genesis WEAP Orientation *+weap*

	Signature	Print Name	Company	
1		DAVID BLOOD	PROFESSIONAL SERVICE INDUSTRIES (PSI)	
2		DOUG RUFF	PROFESSIONAL SERVICE INDUSTRIES (PSI)	8/22/11
3		MIKE KELLER	NEER	8/27/12
4				
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Appendix D

Civil-1

Schedule of Facility Design Submittals; Master Drawing and Master Specifications

Genesis PCF Matrix August 2012

Project	Submittal Title	Submittal Description	Plan Checker	Lead Plan Reviewer	Last Action On
Genesis Solar Energy Project	TSE-2-600-Engineering Qualifications-PCF	CBO Approved		Bartholomew, David	8/2/2012
Genesis Solar Energy Project	STRUC-1-74.0 - Solar Field 2 Electrical Substation 2D foundation - PCF	CBO Approved		Bartholomew, David	8/6/2012
Genesis Solar Energy Project	STRUC-1-802.0 - Water Treatment Building Electrical Package - PCF	CBO Approved		Son, Cristian	8/7/2012
Genesis Solar Energy Project	ELEC-1-55.0 - Grounding Water Treatment Building - PCF	CBO Approved		Son, Cristian	8/13/2012
Genesis Solar Energy Project	STRUC-1-65.0 - Solar Field 01 SFB-04 and Solar Field 02 Bridge-SFB-01-02-03 and 04 - PCF	CBO Approved		Rodriguez, Eric	8/21/2012
Genesis Solar Energy Project	STRUC-1-27.0X2 - STG East West PW, Lube Oil Enclosure and STG Area Misc Supports and Platform - PCF	CBO Approved		Ho, Alan	8/31/2012

Genesis PCF Matrix August 2012

Project	Submittal Title	Submittal Description	Plan Checker	Lead Plan Reviewer	Last Action On
Genesis Solar Energy Project	STRUC-1-63.0 - Power Block Unit 1 and 2 Calcs & Dwgs - Lube Oil Steel Structure and Foundation - PCF	CBO Approved		Talmage, Doug	8/7/2012
Genesis Solar Energy Project	STRUC-1-13.0X2 - Steam Turbine Foundation - PCF	CBO Approved		Ho, Alan	8/8/2012
Genesis Solar Energy Project	STRUC-1-64.0 - Power Block Unit 1 and 2 PCD 1/2B - 1/2C and 1/2D Foundation and Steel Supports - PCF	CBO Approved		Talmage, Doug	8/8/2012
Genesis Solar Energy Project	GEN-1-6.0 - Water Treatment Fire Alarm Drawings - PCF	CBO Approved	Son, Cristian Long, Keith	Moss, Dennis	8/9/2012
Genesis Solar Energy Project	STRUC-1-3.0X2 - Concrete Solar Foundation Drawings and Structural Concrete Standard Drawings - PCF	CBO Approved		Ho, Alan	8/10/2012
Genesis Solar Energy Project	ELEC-1-26.0X2- Electrical Underground Plans Power Block No.1 - PCF	CBO Approved		Son, Cristian	8/13/2012

Genesis PCF Matrix August 2012

Project	Submittal Title	Submittal Description	Plan Checker	Lead Plan Reviewer	Last Action On
Genesis Solar Energy Project	STRUC-1-50.0X1 - Power Block Unit 1 and 2 PDC 1-2A Foundations and Steel Supports - PCF	CBO Approved			8/13/2012
Genesis Solar Energy Project	STRUC-1-64.0X1- Power Block Unit 1 and 2 PCD 1/2B - 1/2C and 1/2D Foundation and Steel Supports- PCF	CBO Approved		Talmage, Doug	8/13/2012
Genesis Solar Energy Project	STRUC-1-70.0 - Power Block Unit 1 and Unit 2 Steam Duct Drain Tank (1/2CO-tK-0200) FDN - PCF	CBO Approved		Ho, Alan	8/13/2012
Genesis Solar Energy Project	STRUC-1-71.0 - Power Block Unit 1 and Unit 2 1_2CO-P-0200 A_B STM Duct Drain Pumps FDN - PCF	CBO Approved		Ho, Alan	8/13/2012
Genesis Solar Energy Project	CIVIL-1-17.0 - Evaporation Ponds - PCF	CBO Approved		Bartholomew, David	8/14/2012
Genesis Solar Energy Project	STRUC-1-72.0 - Power Block Unit 1 and Unit 2 HTF Steam Heater FDN - PCF	CBO Approved		Ho, Alan	8/15/2012

Genesis PCF Matrix August 2012

Project	Submittal Title	Submittal Description	Plan Checker	Lead Plan Reviewer	Last Action On
Genesis Solar Energy Project	TSE-1-600-Maj Equip List 2012-07-17 - PCF	CBO Approved for Reference Only		Trimberger, Tom	8/16/2012
Genesis Solar Energy Project	TSE-1-601-Master Specification List 2012-07-17 - PCF	CBO Reference Only		Trimberger, Tom	8/24/2012
Genesis Solar Energy Project	TSE-1-602-Master Drawing List 2012-07-18(2) - PCF	CBO Approved for Reference Only		Trimberger, Tom	8/16/2012
Genesis Solar Energy Project	TSE-1-603-Deliverables Schedule 2012-07-24 - PCF	CBO Approved for Reference Only		Trimberger, Tom	8/16/2012
Genesis Solar Energy Project	STRUC-1-62.0 - Power Block Unit 1 and 2 Calcs and Dwgs - PCF	CBO Approved		Amirazizi, Saeed	8/20/2012
Genesis Solar Energy Project	STRUC-1-73.0- Power Block Unit 1 and Unit 2 HTF Expansion Vessel Support Structure FDNs - PCF	CBO Approved		Amirazizi, Saeed	8/20/2012

Genesis PCF Matrix August 2012

Project	Submittal Title	Submittal Description	Plan Checker	Lead Plan Reviewer	Last Action On
Genesis Solar Energy Project	STRUC-1-704A - Alternate Pipe Sleeper and Calcs - PCF	CBO Approved		Amirazizi, Saeed	8/20/2012
Genesis Solar Energy Project	STRUC-1-49.0X1 - Power Block Unit 1 and Unit 2 Steam Turbine Bypass Valve Structure - PCF	CBO Approved		Ho, Alan	8/21/2012
Genesis Solar Energy Project	GEN-6-10.0 PSI Special Inspector Doug Ruff - PCF	CBO Approved		Bartholomew, David	8/22/2012
Genesis Solar Energy Project	ELEC-1-56.0 - Underground Plan - Solar Field No.2 - PCF	CBO Approved		Son, Cristian	8/23/2012
Genesis Solar Energy Project	ELEC-1-57.0 - Underground Plan - Power Block No.1 - PCF	CBO Approved		Son, Cristian	8/23/2012
Genesis Solar Energy Project	STRUC-1-77.0 - Power Block Unit 1 and Unit 2 - PCF	CBO Approved	Son, Cristian	Rodriguez, Eric	8/31/2012

Genesis PCF Matrix August 2012

Project	Submittal Title	Submittal Description	Plan Checker	Lead Plan Reviewer	Last Action On
Genesis Solar Energy Project	ELEC-1-45.0X1 - Underground Plan Power Block 2 - PCF	CBO Approved		Son, Cristian	8/27/2012
Genesis Solar Energy Project	ELEC-1-53.0X1 - Power Block 2 Cable Tray - PCF	CBO Approved		Son, Cristian	8/27/2012
Genesis Solar Energy Project	ELEC-1-54.0X1 - Power Block 1 Cable Tray - PCF	CBO Approved		Son, Cristian	8/27/2012
Genesis Solar Energy Project	ELEC-1-58.0 - Low Voltage Transformers and Panelboards - PCF	CBO Approved		Son, Cristian	8/30/2012
Genesis Solar Energy Project	STRUC-1-51.0X1 -Power Block Unit 1-2 1HR-2HR1100 Support Stuct and 1HR-2HR-Drum -2100 Support- PCF	CBO Approved		Rodriguez, Eric	8/28/2012
Genesis Solar Energy Project	STRUC-1-703X1- Fire Water & Plant Instrument Skid Foundations and Calcs - PCF	CBo Approved		Rodriguez, Eric	8/28/2012

Genesis PCF Matrix August 2012

Project	Submittal Title	Submittal Description	Plan Checker	Lead Plan Reviewer	Last Action On
Genesis Solar Energy Project	STRUC-1-81.0 - COMMON AREA UTILITIES CALCS AND DWGS FOR PDC OA FDN AND SUPPORT STEEL - PCF	CBO Approved		Danandeh, Sid	8/29/2012
Genesis Solar Energy Project	STRUC-1-80.0 - Power Block Unit 1 and Unit 2 Calcs and Dwgs for MPS-01-12-13 & MPS-01-15-13 - PCF	CBO Approved		Amirazizi, Saeed	8/30/2012

RE: Genesis - Inspector night shift - Mike Barr, CPM approval

Veerkamp, Eric@Energy [Eric.Veerkamp@energy.ca.gov]

Sent: Tuesday, August 14, 2012 4:11 PM

To: carlos.larios@us.bureauveritas.com

Cc: robert.dekruse@us.bureauveritas.com; Mosley, Charlyn; Gavaldon, Jennifer

Hi Carlos,

The COM-6 submittal for resume for nighttime inspector Mike Barr, dated July 26, 2012 has been reviewed and approved by Energy Commission technical staff; therefore, according to the Conditions of Certification, Mike Barr has CPM approval to work as an inspector on the Genesis project.

Thanks, contact me with any questions or concerns.

Eric W. Veerkamp, AICP
Compliance Project Manager
California Energy Commission
1516 9th Street, MS 2000
Sacramento, CA 95814
916-654-4611
Eric.Veerkamp@energy.ca.gov



From: carlos.larios@us.bureauveritas.com [mailto:carlos.larios@us.bureauveritas.com]

Sent: Thursday, July 26, 2012 2:34 PM

To: Veerkamp, Eric@Energy

Cc: robert.dekruse@us.bureauveritas.com

Subject: Genesis - Inspector night shift - Mike Barr

Eric,

Please find attached the resume for Mr. Mike Barr our inspector for the night shift at Genesis. Mike is already receiving training by Robert and the team, ready to officially start working immediately.

Please let us know if you have any comments after your review, Robert will get Mike started covering the night shift.

NextEra is aware of the situation and agreement with the need for an inspector at night to verify that the CEC conditions of certification are being complied with.

Thank you,

(See attached file: Barr, Mike_7-26-2012_R1.pdf)



Carlos Larios, P.E.
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Appendix E

Cultural Monitor Reports

Cul-8 and Cul-13

Construction Monitoring Plan and Flag and Avoid

PAL-5

PRS Monitoring and Stop Work Authority

Due to proprietary and confidential subject matter, the following information is secured and held under confidential cover



ENVIRONMENTAL CONSULTANTS

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Eric Veerkamp
California Energy Commission
1516 Ninth Street
Sacramento, CA 95814-5512

September 4, 2012

RE: PAL-5, Summary of paleontological monitoring and mitigation activities at the Genesis Solar Energy Project for the period of August 1, 2012 through August 31, 2012

Dear Mr. Veerkamp,

This letter is to update you on SWCA Environmental Consultants paleontological mitigation monitoring activities at the GSEP site during the period of August 1 to August 31, 2012. Two SWCA Paleontological Resources Monitors (PRMs) were onsite full time during all grading and excavation activities exceeding 1.5 feet in depth within Unit 1 Solar Blocks 1, 2, 3, 4, 6, 7, and 8, and Unit 2 Solar Blocks 1, 2, 3, 4, 5, 7, and 10, Power Blocks 1 and 2, the Access Road, and Water Diversion Channel A. All paleontological monitoring occurred in Quaternary alluvium. Night time monitoring activities during this period included the collection of soil samples which were screened during the day as a control for night time fossil discovery under typical day time lighting conditions. No difference was noted in the discovery of fossils between day and night time lighting on the project. In addition, SWCA utilized a UV light during night time monitoring in this period to aid in the discovery of fossils should those fossils fluoresce. No fossils were discovered by this method during this period; however, SWCA will continue to utilize this technique for all night time monitoring work on the GSEP project.

During the course of monitoring in August, a single (1) vertebrate bone fragment was observed and recorded as a locality. The specimen consisted of an isolated, incomplete vertebral fragment (tentatively assigned to the genus cf. *Ungulata*), and was determined to be non-significant based on poor preservation and fragmentary condition. This specimen was not collected.

No further paleontological resources were noted by paleontological monitors and no issues or concerns regarding paleontological resources were identified during the month of August. It is a pleasure working with you on this project. If you have any questions please do not hesitate to contact me.

Respectfully,



Cara Corsetti, M.S.
Principal
Paleontological Resources Specialist, GSEP

Table 1.

Locality Number	Date	Taxon	Element	Found by	ID By	Collected (Y/N)	Reason ([Non]Significant Fossil Occurrence)
July							
LEH-081502-01	8/15/2012	<i>cf. Ungulata</i>	Vertebrae fragment	L. Hall	L. Hall	N	Poorly preserved and fragmentary.

Appendix F
Safety Reports and Incidents
Worker Safety-3
Construction Safety Supervisor – Staff Assignment



Make the RIGHT Choice

August 6, 2012

Personal Protective Equipment

The safety of our employees is a core value of NextEra. Managers and supervisors are responsible for the establishment and maintenance of good health and safety practices. The objective of the Personal Protective Equipment Program is to protect employees from risk of injury or death by creating a barrier against workplace hazards. Personal protective equipment is not a substitute for good engineering or administrative controls or good work practices, but should be used in conjunction with these controls to ensure the safety and health of employees.

California Occupational Safety and Health Administration (Cal-OSHA) standards require that employers perform a hazard assessment of the workplace to determine the nature of the hazards and ensure that appropriate personal protective equipment (PPE) is available to employees. The standards require that employees be trained in the proper use, care and limitations of PPE.

Supervisors have the primary responsibility for implementation of the PPE Program in their work area by ensuring that workplace hazards have been evaluated, that the appropriate PPE is available and being worn and that employees have received the necessary training.

The PPE user is responsible for following the requirements of the PPE program. This involves: wearing PPE as required, attending required training sessions, cleaning, and maintaining PPE as required and informing the supervisor of the need to repair or replace PPE.

Site PPE Requirements

- Hard Hats
- Safety Glasses with side protection must meet ANSI z87.1 or Safety Goggles
- ANSI Class II Safety Vests with reflective striping or equivalent
- Work Boots with Safety Toe ASTM 2413-05 must be worn at all times while on site
- Hard hats must be worn at all times, with the bill forward, and have the employee's first and last name on the front in large letters
- Appropriate gloves shall be worn any time employees may be at risk of hand injuries
- Hearing protection is required where high levels of noise are present (above 85 decibels)
- Other PPE must be worn when the job task or conditions require. Examples include respiratory protection, personal fall protection equipment and face shields when cutting or grinding.



Verify materials – do not assume. One construction site reported the following:

Vendors often sent what they regarded as 'superior' material without notice. Thus, if asked to supply 20 flanges in carbon steel of a given size, the vendor, if he had only 19 such flanges available, was quite likely to add a 20th of the specified size in 'superior' 2-1/4% Cr. When challenged the vendor was often very indignant because he had supplied 'superior,' i.e., more expensive, material at the original price. We had to explain that the 'superior' material was itself quite suitable, *if we knew about it*. If we didn't, we were quite likely to apply the welding procedures of carbon steel to 2-1/4% Cr steel with unfortunate results.



Make the RIGHT Choice

August 13, 2012

Non-routine Tasks

Some jobs are done infrequently, and carry a high risk for acute traumatic injury or fatality. It is important to identify hazards associated with infrequently performed tasks and promote problem solving approaches that will address hazards before jobs are performed and tragedies occur. Training programs often do not address non-routine jobs and unusual circumstances. Often experience is the best teacher - lessons are learned in every accident and near miss.

Many workers have done an unsafe job, while knowing it was unsafe. Sometimes it is because the employees believe that there was no other way to do the job. Either the industry has failed to find safe ways to do these jobs, or they have failed to communicate those safe job procedures to the workers at risk. Additional pre-planning can help determine safer ways to perform difficult tasks.

"Hazard Mapping" can be very helpful in preventing unforeseen events. These maps include a diagram of the area, showing potential hazards (fall, electrical, chemical, etc.) and any other information important to safety to help plan for unusual events. Hazard maps can be simple for simple operations, and become very complex in a complicated operation. Hazard maps will always be a work in progress as new hazards are uncovered, and as processes change. Hazard maps are an essential tool in job hazard analysis.

Job hazard analysis is the task of analyzing the safety of a job in advance, to ensure that the hazards are fully understood and controlled. It should begin with a description of each step of the task, and the tools, equipment and personnel required. Hazards that are present and those that may be created by these tasks should be listed with the measures that will be used to control those hazards. Be familiar with the hazards of the chemicals used – read the MSDSs beforehand. Provide a written work plan to everyone involved to prevent miscommunication. Make sure everyone understands their role and the roles of the others that they are working with.

After the task is complete, it's important to review your process for maintaining safety during unusual tasks. Discuss the job with the employees that were involved and look for opportunities for improvement.

Although the supervisor in charge of the task is ultimately responsible for its safety, all members of the crew should be involved in the job hazard analysis.



Imitation: Why we need conformance to specifications and codes:

Man has three ways of learning: Firstly, by meditation; this is the noblest. Secondly, by imitation; this is the easiest. Thirdly, by experience. This is the bitterest. - Confucius

Applied to power and process plant hazards:

Meditation includes systematic techniques such as hazard and operability studies and design calculations.

Imitation includes learning from the experience of others, as described in design standards, codes, books and accident reports.

Experience is waiting until we have had an accident ourselves.



Make the RIGHT Choice

August 20, 2012

Emergency Response Procedures

Employees' ability to respond to an emergency situation is increased by more than 90% if they have been properly trained and are aware of key personnel in the event of an emergency situation.

Employees should know what actions need to be taken if there is ever an onsite emergency occurs. An emergency response plan should be specific to your workplace once you evaluate and identify potential emergency conditions and include evacuation policies and procedures, emergency reporting procedures and an alarm system. Once created, review it with all employees to make sure they know what to do before, during and after an emergency.

It is critical that employees know who the emergency coordinator is and that this person has the authority to make decisions during an emergency. The coordinator is responsible for evaluating a situation to determine whether an emergency exists that requires activating emergency procedures, overseeing emergency procedures, notifying and coordinating with outside emergency services and directing shutdown of utilities or company operations.

Training

After developing the Emergency Response Plan make sure employees are fully aware of the procedures and properly trained. Some employees may need to be designated to assist in the safe and orderly evacuation of all personnel. Review the plan with all employees when:

- It is first developed;
- Or an employee is initially assigned to work task or different work assignments;
- Or if an employee's responsibilities change;
- Or if the plan changes.

Plan review, Coordination and Update

Have your plan reviewed by local emergency responders in your areas to ensure its completeness and to improve its effectiveness. Hold practice evacuation drills to make all employees familiar with the emergency procedures, exit routes and assembly locations so if an actual emergency occurs, they will be able to respond properly and safely. Drills should be conducted at least semi-annually to keep all employees prepared and could include outside resources such as fire and police department when possible. After each practice drill get feedback to improve the effectiveness of the plan.

Review the Emergency Response Plan on a regular basis and update it whenever:

- There is a change in emergency response or responsibilities.
- A change in the layout or design of the workplace.
- New equipment, hazardous materials or processes are introduced that affect evacuation routes.
- New types of hazards are introduced that require special action.
- A new employee is hired.
- After a real emergency has occurred to check for effectiveness.

GPS coordinates for center of site:

North 33 degrees 39.95 minutes

West 114 degrees 59.69 minutes



Why QC?

Any worker will make mistakes during his working life. No matter how conscientious he is in preparing and carrying out his work, there will come a time when he will make a slip. It is these unusual and infrequent events that have to be guarded against by a system of independent checking of his work.

To go along with this in a safety approach:

Human error is often quoted as the cause of an accident but there is little we can do to prevent people making errors, especially those due to a moment's forgetfulness. If we ask 'What is the cause of this accident?' we may be tempted to say 'Human error' but if we ask 'What should we do differently to prevent another accident?' we are led to think of changes in methods.



Make the RIGHT Choice

August 27, 2012

Material Handling Tips

When combined with work design, manual material handling training is an important element in the prevention of injuries. Proper training also shows the worker how to actively contribute to the prevention of injuries. A good training program should:

- Make the worker aware of the hazards of manual material handling
- Demonstrate ways of avoiding unnecessary stress
- Teach the worker to handle materials safely
 - Prepare to lift by warming up the muscles
- Stand close to the load, facing the way you intend to move
- Use a wide stance to gain balance.
- Ensure a good grip on the load.
- Keep arms straight
- Tighten abdominal muscles
- Tuck chin into the chest
- Initiate the lift with body weight
- Lift the load close to the body
- Lift smoothly without jerking
- Avoid twisting and side bending while lifting

It is also important that workers:

- utilize equipment whenever possible to eliminate the risk
- do not lift if you are not convinced that you can handle the load safely
- if a load is greater than 50 pounds or an awkward shape use a buddy
- take advantage of rest periods to relax tired muscles; this prevents fatigue from building up
- report discomforts experienced during work; this may help to identify hazards and correct working conditions

Finally, there is an aspect of training that cannot be overlooked if training is to be part of an effective prevention program. Workers should be educated that muscles, tendons and ligaments are not prepared to meet the physical stress of handling tasks when they are not "warmed up." They are more likely to pull, tear or cramp when stretched or contracted suddenly under such conditions. This, painful enough by itself, can lead to more serious and permanent injury if physically stressful work is continued. Warming up and mental readiness for physically demanding tasks are important for any kind of manual material handling, but particularly for occasional tasks where the worker is not accustomed to handling loads.

Site Speed Limits

Access Road

Night	(8:00 pm - 4:29 am)	25 mph
Dawn	(4:30 am - 5:59 am)	35 mph
Day	(6:00 am - 7:59 pm)	45 mph

Onsite

25 mph on improved roads
10 mph when passing a working crew
10 mph when passing the Power Block
10 mph off-road



Completing and Maintaining QC Records

QC personnel must be capable of accurately communicating all aspects of inspection. Records must be legible and understandable. QC Personnel should also consider these records as protection should questions later arise. Reports need to contain sufficient information regarding how examinations and tests were performed so that similar results can be obtained later by someone else. Reports are signed and dated by the inspector who actually performed the work.

Safety, Environmental and Compliance Summary Safety

The Project Safety Man-Hours captured are as follows:

95,086	Man hours logged this month
569,284	Man hours logged during 2012
688966	Job total man-hours

Project total RIR 1.16
2012 RIR 0.70

During the Month of August 2012 the project witnessed a high number of 1st aid cases for a single month with ten 1st aid incidents. Although the number of incident was unusually high, the ability of the contractors to manage these cases should be commended. This zero recordable injury for ten 1st aid cases can partially be attributable the use of a 3rd party 1st Aid provider.

1st Aid 8-8-12: BPC employee torquing mirror assemblies in the field broke an adjacent mirror and cut his forearm. The cut required only 1st aid and the employee returned to work without further incident.

1st Aid 8-8-12: Largo subcontractor was pulling on a bent t-post (fence post) to straighten the post. The post broke and the employee grazed himself just below the left ear with the top of the post. The Forman called On-Site Safety to provide 1st Aid. The cut was cleaned and no further treatment was necessary. The employee returned to work without restriction.

1st Aid 8-9-12: Largo subcontractor was covering a drilled caisson hole and strained a muscle in his back while maneuvering the cover into place. The employee was examined by a physician and returned to work without restrictions.

1st Aid 8-10-12: BPC employee unloading pipe stepped onto a piece of broken pallet and onto a protruding nail. The nail pierced his boot and entered his foot. The puncture was cleaned and antibiotic applied at the direction of their health provider and the employee returned to work.

1st Aid 8-10-12: SPX employee reported foreign material in his eye. The eye was washed out several times and examined. The employee returned to work without further irritation.

1st Aid 8-14-12: SPX employee cut his finger while handling sheet metal. The employee was wearing gloves. The cut was treated onsite. SPX held an All Hands Stand Down after incident.

1st Aid 8-15-12: Largo employee strained a leg muscle while carrying material outside of the lighted work area. The employee was allowed to rest and examined by a first aid provider. The employee returned to work.

1st Aid 8-16-12: Blythe Power Constructors employee received a small cut above his right knee when a section of mirror fell and broke in the assembly building. The incident is being investigated.

1st Aid 8-21-12: Blythe Power Constructors employee guiding a suspended load with a tagline fell and scraped the right side of his torso. The employee was examined and returned to work.

1st Aid 8-23-12 Crown Fence employee was stung under his upper arm by a scorpion while troweling concrete around the base of a fence pole. 1st aid was administered and the employee was able to return to work.

During the Month significant monsoonal events hindered the forward progress of construction activities with contractors engaging in non-regular activities to reclaim work damaged by the rains. Non-routine tasks became apparent and crews shifted to recover.

The month of August brought extreme high temperatures with high humidity mid-month. Heat Illness Prevention Awareness Programs were strictly adhered to and crews showed high awareness to the hazards associated with heat.

The project Safety Professionals as a group continued weekly cross audit "Job Walks".

The Genesis Project Safety Committee met weekly.

3rd party audits continued from Bureau Vertis and NextEra representative John Cravy

Regular weekly meetings with Bureau Veritas Safety Consultants onsite.

The total Safety Orientations/WEAP training for the month was 176.

Weekly Focus Topics were:

- Hand Protection and Gloves
- PPE
- Non-Routine Tasks
- Material Handling

Appendix G
Miscellaneous Submittals and Information

Genesis Daily Well Readings - Well Pads in acre feet x .001

New meters 10/21	Serial No#: 11-07803	Serial No#: 11-07804	Serial No#: 11-07805	Serial No#: 022037 Currently not in use	Sundays not worked so no meter readings
	All McCalls Propeller Meter McCrometer Flow Meters			Hendley Nitro Performance	
Date	Well 0	Well 1	Well 2	Front Well Gauge (in gal)	Comments
Wed. 08/01	146497	143656	208492		
Thur. 08/02	146497	143656	208492		
Fri. 08/03	146497	143656	208492		
Sat. 08/04	146497	143656	208492		
Sun. 08/05	130871 acre feet x .001	123403 acre feet x .001	200332 acre feet x .001	78762 00 (out of service)	Friday reading 08/03
Mon. 08/06	146583	143656	208602		
Tues. 08/07	146918	143894	208922		
Wed. 08/08	147052	144548	209625		
Thur. 08/09	147469	145145	210329		
Fri. 08/10	147821	145682	210771		
Sat. 08/11	147821	145682	210771		
Sun. 08/12	147821 acre feet x .001	145682 acre feet x .001	210771 acre feet x .001	78762 00 (out of service)	Friday reading 8/10
Mon. 08/13	148065	146624	211475		
Tues. 08/14	148540	147451	212182		
Wed. 08/15	148939	147536	212878		
Thur. 08/16	149525	148550	212941		
Fri. 08/17	149822	149668	213620		
Sat. 08/18	149822	149668	213620		
Sun. 08/19	149822 acre feet x .001	149668 acre feet x .001	213620 acre feet x .001	78762 00 (out of service)	Friday reading 08/17
Mon. 08/20	149963	150054	214532		
Tues. 08/21	150538	150402	215540		
Wed. 08/22	150934	150452	216332		
Thur. 08/23	151450	150962	216448		
Fri. 08/24	152070	151523	216563		
Sat. 08/25	152070	151523	216563		
Sun. 08/26	152070 acre feet x .001	151523 acre feet x .001	216563 acre feet x .001	78762 00 (out of service)	Friday reading 08/24
Mon. 08/27	153013	151934	216762		
Tue. 08/28	153956	152279	217781		
Wed. 08/29	154984	152665	218775		
Thur. 08/30	156072	153040	219717		
Fri. 08/31	156372	153389	220558		

Genesis Daily Site Report

August 1, 2012

Safety: No Accident or Injury.

Safety Topic of the Week: “Protecting Our Hands”

Weather Conditions: Mostly Sunny & Humid, Temp – High 100; WSW winds at 5 mph

Items completed and working:

Site activity was focused on recovery. Main items worked on were access egress into the site, tortoise fence repairs and general clean-up activities.

Personnel on Site:

Site was limited to essential personnel only. Total count to be provided in a supplemental report at a later date.

Genesis Daily Site Report

August 2, 2012

Safety: No Accident or Injury. BV Safety onsite.

Safety Topic of the Week: “Protecting our Hands”

Weather Conditions: Sunny, Temp – High 103; South winds at 7 mph

Site Compliance: No issues to report.

Items completed and working:

1. Site Preparation (K008): No Activity.
2. Largo (K013): Unit 1 – pulling caisson cages in Block 3 and installed control points in Block 2. Assessing damage in Unit 2.
3. Blythe Power Constructors (K100): Continued testing electrical equipment and pumping water at the Assembly Building.
4. Sukut (K010): Continued with site access road repair and site cleanup.
5. Newtron (K014): Completed inspections, clean up. Testing Assembly building feeder, (meggered)heated up, closed in breakers, powered up Distribution equipment, lighting, roll up doors, overhead cranes, as pit are drained will dry out 120v receptacles and circuits, test and energize. Ring 4 Field 2 clean up cable whips, cable inspections, prep for cable testing. Ring 7 clean up, pumping trenches, cable inspections, prep for testing, solar field substation ring 6-7 clearing and inspections of buried cable and hand cleaning hand holds and manholes. Pumping water out of trenches power block #2, repairing and re installing ground grid.
6. Largo (K015): Unit 2 – Continued pumping water from pits and set up pipe and pump to remove water from the HTF Drain Pit. Detailing the STG Block and performing as-builts on finished foundations.
7. Blythe Power Constructors (K011): Trenching continued under the ACC in Power Block 2 for the Boiler Blowdown Drain system and in Unit 1 Solar Field West Fire Line. Fabrication of the Common Area underground HDPE pipe commenced today.
8. SPX Technologies (K057): Continued with clean up and resetting crane mats.
9. Whiting Turner (K067 – Buildings): Interior Finish work continued at Electrical Building 1 and 2. Administration Building cleanup activities continued.

- 10. Crown Fence (K009): Continued to focus all crews on tortoise fence repair.
- 11. PMI (K074): Continued preparation for Steam Generation System deliveries and install.
- 12. K068 (USA Tank): No Activity.

Personnel on Site:

Genesis Team	24
NAM	10
SWCA	1
Sukut (K010)	18
Sukut (K008)	1
PSI Testing (K007)	5
Terracon	1
AECOM	12
Guardsmark (K005)	5
Largo (K013)	25
Largo (K015)	20
BPC (K100)	25
BPC (K011)	36
Sener	4
Newtron	20
Holt Group	2
SPX Technologies (K057)	105
Whiting Turner (K067)	14
Crown Fence(K009)	18
PMI	14
CRIT Representatives	2
USA Tank	0
Total	362

Genesis Site Daily Report

August 3, 2012

Safety: No Accident or Injury.

Safety Topic of the Week: “Protecting Our Hands”

Weather Conditions: Clear, Temp – High 108; South winds at 5 mph

Site Compliance: No issues to report.

Items completed and working:

1. Site Preparation (K008): No Activity.
2. Largo (K013): Unit 1 – Pulling caisson cages and resurveying in Block 3 and installed control points in Block 2.
3. Blythe Power Constructors (K100): Continued clean up at the Assembly Building.
4. Sukut (K010): Continued site access road repair and site cleanup.
5. Newtron (K014): Continue cleanup activities manholes Field 2, completed setting manhole east end Ring 2, cleaning up and around coiled cable to support field substation, retesting cables, Power Block 2 cleaning mud and debris, re-identifying ground grid whips, cut or destroyed grid, rods, ground wells along Steam Generation System demark and also under Air Cooled Condenser piping, re-establishing ground grid and grounding connections to Air Cooled Condenser column steel.
6. Largo (K015): Unit 2 – Started 6” pump to remove water from Heat Transfer Fluid Drain Pit. Detailing the Steam Turbine Generator Block and performing as-builts on finished foundations.
7. Blythe Power Constructors (K011): Unit 2- Backfill of the Boiler Blow Down Pipe under the Steam Generation System commenced.
8. SPX Technologies (K057): Continued with installing of Condensate Collection Manifold and Tube Bundles.
9. Whiting Turner (K067 – Buildings): No Activity.
10. Crown Fence (K009): Continued with Tortoise Fence repair.

11. PMI (K074): Continued with bushing pedestals at Power Block 2 Train 1 & 2 and setting up crane mats for deliveries next week.

12. USA Tank (K068): Began site clean-up and inventory of equipment.



Power Block 2- Air Cooled Condenser

Personnel on Site:

Genesis Team	24
NAM	10
SWCA	1
Sukut (K010)	22
Sukut (K008)	1
PSI Testing (K007)	2
Terracon	1
AECOM	12
Guardsmark (K005)	5
Largo (K013)	25
Largo (K015)	20
BPC (K100)	25
BPC (K011)	15
Sener	4
Newtron (K014)	20
Holt Group	2
SPX Technologies (K057)	105
Whiting Turner (K067)	2
Crown Fence(K009)	18
PMI	14
CRIT Representatives	2
USA Tank (K068)	7
Total	337

Genesis Site Daily Report

August 6, 2012

Safety: No Accident or Injury.

Safety Topic of the Week: “Personal Protective Equipment”

Weather Conditions: Clear, Temp – High 109; Southwest winds at 19 mph

Site Compliance: No issues to report.

Items completed and working:

1. Site Preparation (K008): No Activity.
2. Largo (K013): No Activity.
3. Blythe Power Constructors (K100): Continued SCE alignment in Solar Field 2 Block 1 and installation in Solar Field 2 Block 6. Material receiving is ongoing.
4. Sukut (K010): Continued with site cleanup, dust control on the main access road and material receiving activities.
5. Newtron (K014): Removing silt from trenches Ring 4 backfilling and compaction, establishing ground grid trenches Power Block 1.
6. Largo (K015): No activity.
7. Blythe Power Constructors (K011): Unit 2 continued with excavation and install of Boiler Blow Down pipe and Waste Water Drains under the Air Cooled Condenser. Fabrication for the Common Area is ongoing.
8. SPX Technologies (K057): Welding tube bundles to Collection Condensate Manifold on Street 4 and install Collection Condensate Manifold on Street 3. Transported tube bundles to Air Cooled Condenser for Street 3. Impacted A frames and worked on fan deck plate on Street 3. Preassembled Collection Condensate Manifold and Turbine Exhaust Duct.
9. Whiting Turner (K067 – Buildings): Electrical Building 1 and 2 electrical finishes and testing continued. Administration Building steel arrived and was offloaded. Water Treatment Building underground and subgrade re-work continued.
10. Crown Fence (K009): Began re-drill of post holes affected by the rain. Continued to set security fence posts in Unit 2.

11. PMI (K074): Continued to set crane mats and bush pedestals in preparation for delivery of Steam Generation Equipment.

12. USA Tank (K068): Installed fiberboard and floor at Treated Water Tank.



Common Area- Waste Water Tank

Personnel on Site:

Genesis Team	24
NAM	10
SWCA	2
Sukut (K010)	20
Sukut (K008)	2
PSI Testing (K007)	2
Terracon	1
AECOM	13
Guardsmark (K005)	5
Largo (K013)	5
Largo (K015)	5
BPC (K100)	61
BPC (K011)	36
Sener	4
Newtron (K014)	20
Holt Group	2
SPX Technologies (K057)	105
Whiting Turner (K067)	14
Crown Fence(K009)	18
PMI	14
CRIT Representatives	2
USA Tank (K068)	7
Total	372

Genesis Site Daily Report

August 7, 2012

Safety: No Accident or Injury. Safety Professionals Team cross audit job walk today.

Safety Topic of the Week: “Personal Protective Equipment”

Weather Conditions: Clear, Temp – High 109; South winds at 9 mph

Site Compliance: No issues to report.

Items completed and working:

1. Site Preparation (K008): Continued Common Area storm drainage installations.
2. Largo (K013): Unit 1 – Caisson drilling resumed in Block 3 and layout was verified in Block 3 & Block 2. Continued working on caissons affected by the rain event last week. Unit 2 – Clean-up started on sleepers in Block 3 & 6, layout for sleepers started for North / South run between Block 2 & 7.
3. Blythe Power Constructors (K100): Continued SCE alignment in Solar Field 2 Block 1 and installation in Solar Field 2 Block 6. Material receiving is ongoing.
4. Sukut (K010): Continued with site cleanup, dust control on the main access road and material receiving activities.
5. Newtron (K014): Work continued in Ring 4 backfilling and compaction and installing ground grid in Power Block 1.
6. Largo (K015): Unit 2 – Resumed clean-up activities in the Boot Pit, Feed Water Heater, Power Distribution Center 2A. Started excavation on the Air Cooled Condenser /Transformer duct bank and resumed Main transformer excavation.
7. Blythe Power Constructors (K011): Unit 2 continued with excavation and install of Boiler Blow Down pipe and Waste Water Drains under the Air Cooled Condenser. Fabrication for the Common Area is ongoing. Unit 1 Fire Water West Branch excavation and installation continued.
8. SPX Technologies (K057): Welding tube bundles to Collection Condensate Manifold on Street 4. Completed Collection Condensate Manifold and impacting A Frames on Street 3. Prepping tube bundles for install on Street 3. Continue with preassembly of Collection Condensate Manifold, Steam Duct Manifold and Turbine Exhaust Duct.

9. Whiting Turner (K067 – Buildings): Electrical Building 1 and 2 electrical finishes and testing continued. Administration Building steel installations continued. Water Treatment Building underground and subgrade re-work continued.
10. Crown Fence (K009): Continued re-drill of post holes in Unit 2 and installing Security Fence in Unit 1.
11. PMI (K074): Continued to set crane mats and bush pedestals in preparation for delivery of Steam Generation Equipment.
12. USA Tank (K068): Continued Floor installation at the Treated Water Tank.



Power Block 2

Personnel on Site:

Genesis Team	24
NAM	10
SWCA	2
Sukut (K010)	20
Sukut (K008)	15
PSI Testing (K007)	3
Terracon	1
AECOM	20
Guardsmark (K005)	5
Largo (K013)	40
Largo (K015)	40
BPC (K100)	61
BPC (K011)	37
Sener	4
Newtron (K014)	20
Holt Group	2
SPX Technologies (K057)	105
Whiting Turner (K067)	14
Crown Fence(K009)	18
PMI	20
CRIT Representatives	2
USA Tank (K068)	7
Total	470

Genesis Site Daily Report

August 8, 2012

Safety: There was a 1st Aid incident today where a Blythe Power Constructor employee torqueing mirror assemblies in the field broke an adjacent mirror and cut his forearm. The cut required only 1st aid and the employee returned to work without further incident.

Safety Topic of the Week: “Personal Protective Equipment”

Weather Conditions: Clear, Temp – High 114; South winds at 10 mph

Site Compliance: No issues to report.

Items completed and working:

1. Site Preparation (K008): Continued Common Area storm drainage installations.
2. Largo (K013): Unit 1 – Drilling and setting forms/bolts for caissons in Block 3 and layout in Block 3 & Block 2. Continued working on mitigation rework for caissons in Block 2. Unit 2 – Clean-up on sleepers in Blocks 3 & 6, layout for sleepers for North / South run between Block 2 & 7.
3. Blythe Power Constructors (K100): Continued SCE alignment in Solar Field 2 Block 1 and installation in Solar Field 2 Block 6. Material receiving is ongoing.
4. Sukut (K010): Continued with site cleanup, dust control on the main access road and material receiving activities.
5. Newtron (K014): Backfilling in Ring 4 Unit 2 and testing cable in Ring 7 Unit 2. Installing ground in Power Block 1.
6. Largo (K015): Unit 2 – Resumed clean-up activities in the Boot Pit, Heat Transfer Fluid Drain Pit, and Power Distribution Center 2A. Forming columns in the Feed water Heater Western columns on the Steam Turbine Generator Mat. Completed excavation on the Air Cooled Condenser/Transformer duct bank, Steam Turbine Generator duct supports, and the Main transformer excavation.
7. Blythe Power Constructors (K011): Unit 2 continued with excavation and install of Boiler Blow Down pipe and Waste Water Drains under the Air Cooled Condenser. Fabrication for the Common Area is ongoing. Unit 1 Fire Water West Branch excavation and installation continued.
8. SPX Technologies (K057): Installing tube bundles on Street 3. Continue with preassembly of Collection Condensate Manifold, Steam Duct Manifold and Turbine Exhaust Duct.

9. Whiting Turner (K067 – Buildings): Electrical Building 1 and 2 electrical finishes and testing continued. Administration Building steel installations continued. Water Treatment Building underground and subgrade re-work continued.
10. Crown Fence (K009): Continued drilling post holes in Unit 2 and installing Security Fence in Unit 1.
11. PMI (K022): Offloaded 4 Reheaters, Set the Train 1 Reheaters. Continued Preparation of the Steam Generation Foundations. Continued Preparation of the Siemens Steam Turbine equipment.
12. USA Tank (K068): Completed floor installation at the Treated Water Tank and began installing the floor at the Raw Water Tank.



Power Block 2 Reheaters

Personnel on Site:

Genesis Team	24
NAM	10
SWCA	2
Sukut (K010)	20
Sukut (K008)	15
PSI Testing (K007)	3
Terracon	1
AECOM	20
Guardsmark (K005)	5
Largo (K013)	73
Largo (K015)	56
BPC (K100)	61
BPC (K011)	37
Sener	4
Newtron (K014)	20
Holt Group	2
SPX Technologies (K057)	105
Whiting Turner (K067)	14
Crown Fence(K009)	18
PMI	30
CRIT Representatives	2
USA Tank (K068)	7
Total	529

Genesis Site Daily Report

August 10, 2012

Safety: Blythe Power employee unloading pipe step onto a piece of broken pallet and onto a protruding nail. The nail pierced his boot and entered his foot.

The puncture was cleaned and antibiotic applied at the direction of their health provider and the employee returned to work. This is reported as 1st aid

An SPX employee reported foreign material in his eye. The eye was washed out several times and examined. The employee returned to work without further irritation. This is also 1st aid.

Safety Topic of the Week: “Personal Protective Equipment”

Weather Conditions: Sunny, Temp – High 111; Southwest winds at 5-10 mph

Site Compliance: No issues to report.

Items completed and working:

1. Site Preparation (K008): Continued Common Area storm drainage installations.
2. Largo (K013): Unit 1 – Drilling, setting forms/bolts, and pouring caissons in Block 3 with layout in Block 2. Unit 2 – Constructing sleepers between Blocks 2 & 7 going from North to South.
3. Blythe Power Constructors (K100): Continued SCE alignment in Solar Field 2 Block 1 and installation in Solar Field 2 Block 6. Material receiving is ongoing.
4. Sukut (K010): Continued with site cleanup, dust control on the main access road and material receiving activities.
5. Newtron (K014): Re-backfilling ring 7 field 2 inspection and testing of fiber and Ethernet cabling, testing in ring 4, re-trenching ring 2, fiber optic and Ethernet cable installation and verification testing of cable for location, depth G line ring 2, installation feeders in construction office complex to support contractor office trailers and began grounding for water treatment building and aqua tech equipment.
6. Largo (K015): Unit 2 – Continued clean-up activities in the Heat Transfer Fluid Drain Pit, and compacting subgrade in the East end of the Power Distribution Center 2A. Poured majority of columns in the Feedwater Heater, poured Air Cooled Condenser/Transformer duct bank, Steam Turbine Generator duct supports, and the slab in the Boot Drain Pit. Installing rebar in the Main transformer. Backfilling completed within the Steam Generation System Foundations.

7. Blythe Power Constructors (K011): Unit 2 continued with excavation and install of Boiler Blow Down pipe and Waste Water Drains under the Air Cooled Condenser. Fabrication for the Common Area is ongoing. Unit 1 Fire Water West Branch excavation and installation continued.
8. Newtron (K014): Receiving materials and components to support installation, marking equipment locations and prepping for feeder seal tight.
9. SPX Technologies (K057): Installing tube bundles on Street 3. Continue with preassembly of Collection Condensate Manifold, Steam Duct Manifold and Turbine Exhaust Duct.
10. Whiting Turner (K067 – Buildings): Administration Building steel installations continued.
11. Crown Fence (K009): Continued drilling post holes in Unit 2 and installing Security Fence in Unit 1.
12. PMI (K022): Offloaded & set Reheater and Heat Transfer Fluid Overflow Vessel. Began prepping piperack footings.
13. USA Tank (K068): Installing walls and roof at the Treated Water Tank and continue working at the Raw Water Tank.



Power Block 2 SGS & Feedwater Heater Foundation

Personnel on Site:

Genesis Team	20
NAM	10
SWCA	2
Sukut (K010)	20
Sukut (K008)	15
PSI Testing (K007)	3
Terracon	1
AECOM	20
Guardsmark (K005)	5
Largo (K013)	113
Largo (K015)	46
BPC (K100)	61
BPC (K011)	37
Sener	4
Newtron (K014)	20
Newtron (K029)	5
Holt Group	2
SPX Technologies (K057)	105
Whiting Turner (K067)	14
Crown Fence(K009)	18
PMI (K022)	28
CRIT Representatives	2
USA Tank (K068)	7
Total	558

Genesis Site Daily Report

August 13, 2012

Safety: No Accident or Injury.

Safety Topic of the Week: “Non-routine Tasks”

Weather Conditions: Sunny, Temp – High 114; Southeast winds at 5 mph

Site Compliance: No issues to report.

Items completed and working:

1. Site Preparation (K008): Continued Common Area storm drainage installations.
2. Largo (K013): Unit 1 – Drilling, setting forms/bolts, and pouring caissons in Block 3 with layout in Block 2. Unit 2 – Constructing sleepers between Blocks 2 & 7 going from North to South. Cleaning out sleepers between Blocks 2 & 3.
3. Blythe Power Constructors (K100): Continued SCE alignment in Solar Field 2 Block 1 and installation in Solar Field 2 Block 6. Material receiving is ongoing.
4. Sukut (K010): Continued with site cleanup, dust control on the main access road and material receiving activities.
5. Newtron (K014): Removing flood sediment from cable trenches in ring 2 Field 2, backfill and compaction original trenching, installing fiber optic and Ethernet new trenches ring 2, cable and fiber location and depth ring 2, testing ring 3 complete today, continue testing ring 4 and ring 7. Supported isolating 12kv switchgear and transmission, set up generator, terminated and tested emergency power systems to support construction office complex, due to shearing off 10-12 33kv SCE power poles.
6. Largo (K015): Unit 2 – Poured column on the East end of the Power Distribution Center 2A. Backfilled the majority of the Air Cooled Condenser/Transformer duct bank. Installed rebar and forming walls in the Boot Drain Pit. Installing bottom rebar mat in the Main transformer.
7. Blythe Power Constructors (K011): Unit 2 began excavation of Boiler Blow Down pipe around the Feed Water heater and Waste Water Drains around the Steam Turbine Generator. Fabrication for the Common Area is ongoing. Unit 1 Fire Water West Branch excavation and installation continued.
8. Newtron (K029): Site specific safety training, project orientation, clean up and arranging equipment in lay down area, continue receiving components and materials.

9. SPX Technologies (K057): Installing tube bundles on Street 3. Continue with preassembly of Collection Condensate Manifold, Steam Duct Manifold and Turbine Exhaust Duct.
10. Whiting Turner (K067 – Buildings): Electrical Building 1 interior finishes continued, and Electrical Building 2 punch list items were being performed. Administration Building steel installations continued, and underground at the Water Treatment Building.
11. Crown Fence (K009): Continued trenching drilling post holes in Unit 2 and installing Security Fence in Unit 1.
12. PMI (K022): Set Train 2 Re-heater, Super heater and Train 1 Evaporator. Continue to work on foundations and verifying bolt locations on Steam Turbine pedestal.
13. USA Tank (K068): Continued roof installation on the Waste Water Tank.



Common Area Administration Building

Personnel on Site:

Genesis Team	20
NAM	10
SWCA	2
Sukut (K010)	20
Sukut (K008)	15
PSI Testing (K007)	3
Terracon	1
AECOM	20
Guardsmark (K005)	5
Largo (K013)	113
Largo (K015)	46
BPC (K100)	61
BPC (K011)	37
Sener	4
Newtron (K014)	20
Newtron (K029)	5
Holt Group	2
SPX Technologies (K057)	105
Whiting Turner (K067)	14
Crown Fence(K009)	18
PMI (K022)	28
CRIT Representatives	2
USA Tank (K068)	7
Total	558

Genesis Site Daily Report

August 14, 2012

Safety: An SPX employee cut his finger while handling sheet metal. The employee was wearing gloves. The cut was treated onsite and is reported as 1st aid. SPX held an ALL Hands Stand Down after the incident.

Safety Topic of the Week: “Non-routine Tasks”

Weather Conditions: Sunny, Temp – High 104; Northwest winds at 15 mph

Site Compliance: No issues to report.

Items completed and working:

1. Site Preparation (K008): Continued Common Area storm drainage installations.
2. Largo (K013): Unit 1 – Setting caisson forms/bolts, and pouring caissons in Block 3 with layout and drilling in Block 2. Unit 2 – Constructing sleepers between Blocks 2 & 7 going from North to South and moving back to sleepers on the North end of Block 3.
3. Blythe Power Constructors (K100): Continued SCE alignment in Solar Field 2 Block 6 and installation in Solar Field 2 Block 7. Material receiving is ongoing.
4. Sukut (K010): Continued with site cleanup, dust control on the main access road and material receiving activities.
5. Newtron (K014): Minor sediment clean up ground grid trenches Power Block #1, fiber optic and Ethernet cable installation Ring 2 Field 2, completed backfill/ compaction original cables trenches Ring 2, continue electrical feeder installation for 4 plex and double wide construction office trailers, setup generator and terminated for assembly building temporary power.
6. Largo (K015): Unit 2 – Continuing dirt work on the East side Power Distribution Center 2A. Installed rebar and forming walls in the Boot Drain Pit and the clean water sump. Installing bottom rebar mat in the Main transformer. Unit 1 – Started second crew to start cleaning up Air Cooled Condenser and finishing footing pedestals.
7. Blythe Power Constructors (K011): Unit 2 continued excavation and began installation of Boiler Blow Down pipe around the Feed Water heater and Waste Water Drains around the Steam Turbine Generator. Fabrication for the Common Area is ongoing. Unit 1 Fire Water West Branch excavation and installation continued.
8. Newtron (K029): Continued receiving components and materials.

9. SPX Technologies (K057): Continued installing tube bundles on Street 3 and preassembly of Collection Condensate Manifold, Steam Duct Manifold and Turbine Exhaust Duct.
10. Whiting Turner (K067 – Buildings): Electrical Building 1 interior finishes continued, and Electrical Building 2 punch list items were being performed. Administration Building steel installations continued, and underground at the Water Treatment Building.
11. Crown Fence (K009): Continued trenching and drilling post holes and setting Security Fence Posts in Unit 2.
12. PMI (K022): Set 1100 Super Heater and continued to receive material. Uncrated Feed Water Pump and removed crane mats from East side of the Power Block.
13. USA Tank (K068): Installed Rings 5 and 6 on Waste Water Tank.



Power Block 2

Personnel on Site:

Genesis Team	28
NAM	10
SWCA	2
Sukut (K010)	20
Sukut (K008)	15
PSI Testing (K007)	4
Terracon	1
AECOM	21
Guardsmark (K005)	5
Largo (K013)	110
Largo (K015)	51
BPC (K100)	61
BPC (K011)	37
Sener	4
Newtron (K014)	20
Newtron (K029)	5
Holt Group	2
SPX Technologies (K057)	105
Whiting Turner (K067)	14
Crown Fence(K009)	18
PMI (K022)	32
CRIT Representatives	2
USA Tank (K068)	7
Total	574

Genesis Site Daily Report

August 15, 2012

Safety: Largo employee strained a leg muscle while walking on uneven terrain. The employee was examined by an onsite medic and returned to work.

Safety Topic of the Week: “Non-routine Tasks”

Weather Conditions: Sunny, Temp – High 107; South winds at 17 mph

Site Compliance: No issues to report.

Items completed and working:

1. Site Preparation (K008): Continued Common Area storm drainage installations.
2. Largo (K013): Unit 1 – Setting caisson forms/bolts, and pouring caissons in Block 3 with layout and drilling in Block 2. Unit 2 – Constructing sleepers between Blocks 2 & 7 going from North to South and moving back to sleepers on the North end of Block 3.
3. Blythe Power Constructors (K100): Continued SCE alignment in Solar Field 2 Block 6 and installation in Solar Field 2 Block 7. Material receiving is ongoing.
4. Sukut (K010): Continued with site cleanup, dust control on the main access road and material receiving activities.
5. Newtron (K014): Installation fiber optic and Ethernet Ring 2 Field 2. Continued ground grid installation Water Treatment Building in the common area and receiving materials
6. Largo (K015): Unit 2 – Continuing dirt work on the East Side Power Distribution Center 2A and installing rebar. Installed rebar and forming walls in the Boot Drain Pit and the clean water sump. Installing bottom rebar mat in the Main transformer. Cleaning rebar & installing forms in the Heat Transfer Fluid Pit. Unit 1 – Continuing second crew to start cleaning up Air Cooled Condenser and finish footing pedestals.
7. Blythe Power Constructors (K011): Unit 2 continued installation of Boiler Blow Down pipe around the Feed Water Heater and Waste Water Drains around the Steam Turbine Generator. Fabrication for the Common Area is ongoing. Unit 1 Fire Water West Branch excavation and installation continued. Began excavation of Unit 1 Boiler Blow Down pipe.
8. Newtron (K029): No Activity.

9. SPX Technologies (K057): Continued installing tube bundles on Street 4 and preassembly of Collection Condensate Manifold, Steam Duct Manifold and Turbine Exhaust Duct.
10. Whiting Turner (K067 – Buildings): Electrical Building 1 interior finishes continued, and Electrical Building 2 punch list items were being performed. Administration Building steel installations continued, and underground at the Water Treatment Building.
11. Crown Fence (K009): Continued trenching and drilling post holes and installing Security Fence and Posts in Unit 2.
12. PMI (K022): Began lay out of Boiler Feed Water Pump and staged out platform material for Heat Transfer Fluid Vessels. Cleaned all equipment anchor bolts and moved all unused crane mats to lay down area.
13. USA Tank (K068): Installed Ring 4 on Waste Water Tank.



Common Area Waste Water Tank and Administration Building

Personnel on Site:

Genesis Team	28
NAM	10
SWCA	2
Sukut (K010)	20
Sukut (K008)	15
PSI Testing (K007)	4
Terracon	1
AECOM	21
Guardsmark (K005)	5
Largo (K013)	110
Largo (K015)	51
BPC (K100)	61
BPC (K011)	40
Sener	4
Newtron (K014)	20
Newtron (K029)	0
Holt Group	2
SPX Technologies (K057)	105
Whiting Turner (K067)	14
Crown Fence (K009)	18
PMI (K022)	32
CRIT Representatives	2
USA Tank (K068)	7
Total	572

Genesis Site Daily Report

August 16, 2012

Safety: Blythe Power Constructor's employee received a small cut above his right knee when mirror sections fell and broke in the assembly building. The incident is being reported as a first aid.

Safety Topic of the Week: "Non-routine Tasks"

Weather Conditions: Cloudy, Temp – High 100; Southwest winds at 8 mph

Site Compliance: No issues to report.

Items completed and working:

1. Site Preparation (K008): Continued Common Area storm drainage installations and recommenced Channel A finish grade.
2. Largo (K013): Unit 1 – Setting caisson forms/bolts, and pouring caissons in Block 3 with layout and drilling in Block 2. Unit 2 – Constructing sleepers between Blocks 2 & 7 going from North to South and moving back to sleepers on the North end of Block 3.
3. Blythe Power Constructors (K100): Continued SCE alignment in Solar Field 2 Block 6 and installation in Solar Field 2 Block 7. Material receiving is ongoing.
4. Blythe Power Constructors (K102): Continued to receive material and prep fabrication shop area.
5. Sukut (K010): Continued with site cleanup, dust control on the main access road and material receiving activities.
6. Newtron (K014): Continue testing for verification of underground cable locations and depths for Ring 2 Field 2, continue with Ethernet cable installation, backfill/compaction ring 2, and ground grid installation water treatment building in common area, repairing ground conductors in Power Block 2.
7. Largo (K015): Unit 2 – Poured concrete for the East Side Power Distribution Center 2A footings, two wall sections in the Heat Transfer Fluid Drain Pit, all walls in the Boot Drain Pit, and the main transformer bottom slab. Started coring & chipping for the Steam Turbine Generator bolt repairs. Unit 1 – Continuing second crew cleaning up activities.
8. Blythe Power Constructors (K011): Unit 2- Began backfill of Boiler Blow Down pipe around the Feed Water Heater and Waste Water Drains around the Steam Turbine Generator. Solar Field 2 Fire Water Hydro test was conducted today with no issues. Fabrication for the Common Area is ongoing. Continued excavation of Unit 1 Boiler Blow Down pipe.

9. Newtron (K029): Continued material receiving activities.
10. SPX Technologies (K057): Installing Steam Duct Manifold on Street 4 and welding condensate collection manifold to tube bundles. Preassembly of Collection Condensate Manifold, Steam Duct Manifold and Turbine Exhaust Duct is ongoing.
11. Whiting Turner (K067 – Buildings): Electrical Building 1 interior finishes continued, and Electrical Building 2 punch list items were being performed. Administration Building steel installations continued, and underground at the Water Treatment Building.
12. Crown Fence (K009): Continued installing Unit 1 Security Fence and set posts in Unit 2.
13. PMI (K022): Continued to prep the Boiler Feed Water Pump Foundation and stage out platform material for Heat Transfer Fluid Vessels. Began setting up steel prefabrication yard.
14. USA Tank (K068): Prepped area around the Treated Water tank to begin laying out material. Continued to install miscellaneous components on Waste Water tank.



Power Block 2

Personnel on Site:

Genesis Team	28
NAM	10
SWCA	2
Sukut (K010)	20
Sukut (K008)	15
PSI Testing (K007)	4
Terracon	1
AECOM	21
Guardsmark (K005)	5
Largo (K013)	108
Largo (K015)	52
BPC (K100)	68
BPC (K011)	40
BPC (K102)	12
Sener	4
Newtron (K014)	20
Newtron (K029)	5
Holt Group	2
SPX Technologies (K057)	105
Whiting Turner (K067)	14
Crown Fence (K009)	18
PMI (K022)	32
CRIT Representatives	2
USA Tank (K068)	7
Total	595

Genesis Site Daily Report

August 17, 2012

Safety: No Accident or Injury.

Safety Topic of the Week: “Non-routine Tasks”

Weather Conditions: Partly Cloudy, Temp – High 96; Southwest winds at 15 mph

Site Compliance: No issues to report.

Items completed and working:

1. Site Preparation (K008): Continued Common Area storm drainage installations and continued Channel A finish grade.
2. Largo (K013): No Activity.
3. Blythe Power Constructors (K100): Continued SCE alignment in Solar Field 2 Block 6 and installation in Solar Field 2 Block 7. Material receiving is ongoing.
4. Blythe Power Constructors (K102): Continued to receive material and prep fabrication shop area.
5. Sukut (K010): Continued with site cleanup, dust control on the main access road and material receiving activities.
6. Newtron (K014): Continued Field 2 Ring 2 backfill and testing. Finishing grounding at Water Treatment Building and repair work at the Assembly Building.
7. Largo (K015): Unit 2 – setting forms for the East columns in the Power Distribution Center 2A and stripping boot pit wall forms. Continued coring & chipping for the Steam Turbine Generator Bolt repairs and will continue thru the weekend on repairs. No activity in Unit 1.
8. Blythe Power Constructors (K011): Unit 2- Continued backfill of Boiler Blow Down pipe around the Feed Water Heater and excavation at Boiler Blow Down in Unit 1.
9. Newtron (K029): No Activity.
10. SPX Technologies (K057): Completed installation of Steam Duct Manifold on Street 4. Preassembly of Collection Condensate Manifold, Steam Duct Manifold and Turbine Exhaust Duct is ongoing.
11. Whiting Turner (K067 – Buildings): Administration Building steel installations continued.

12. Crown Fence (K009): No Activity.

13. PMI (K022): Set Boiler Feed Water Pump and began foundation prep work on Pipe Rack 25 to begin install next week.

14. USA Tank (K068): Continued to prep material for installation for the Treated Water Tank.



Power Block 2- Air Cooled Condenser

Personnel on Site:

Genesis Team	28
NAM	10
SWCA	2
Sukut (K010)	20
Sukut (K008)	15
PSI Testing (K007)	4
Terracon	1
AECOM	21
Guardsmark (K005)	5
Largo (K013)	0
Largo (K015)	30
BPC (K100)	68
BPC (K011)	10
BPC (K102)	12
Sener	4
Newtron (K014)	20
Newtron (K029)	0
Holt Group	2
SPX Technologies (K057)	105
Whiting Turner (K067)	10
Crown Fence (K009)	0
PMI (K022)	32
CRIT Representatives	2
USA Tank (K068)	7
Total	408

Genesis Site Daily Report

August 20, 2012

Safety: No Accident or Injury.

Safety Topic of the Week: “Emergency Response Procedures”

Weather Conditions: Partly Cloudy, Temp – High 106; Southeast winds at 13 mph

Site Compliance: No issues to report.

Items completed and working:

1. Site Preparation (K008): Continued Channel A finish grade.
2. Largo (K013): Unit 1 – Installing caisson forms/bolts, and pouring caissons in Block 2. Unit 2 – Constructing sleepers and drilling pipe supports between Blocks 2 & 3 going from East to West.
3. Blythe Power Constructors (K100): Continued SCE alignment in Solar Field 2 Block 7 and installation in Solar Field 2 Block 7. Material receiving is ongoing.
4. Blythe Power Constructors (K102): Continued to receive material and prep fabrication shop area.
5. Sukut (K010): Continued with site cleanup, dust control on the main access road and material receiving activities.
6. Newtron (K014): Continue installing Ethernet in ring 2 field 2, Back fill and compaction perimeter ground installation east road line Rings 2 and 3, trenching Ring 5 Field 2, backfill/compaction trenches Power Block 1.
7. Largo (K015): Unit 2 – Poured East side columns for the Power Distribution Center 2A. Stripped forms for walls in the Boot Drain Pit. Installing wall rebar in the Main transformer. Cleaning rebar & installing/stripping forms in the Heat Transfer Fluid Drain Pit. Started excavation for the Demin tank. Unit 1 – Continuing second crew with cleaning up Air Cooled Condenser, Feedwater heater, and Heat Transfer Fluid drain pit.
8. Blythe Power Constructors (K011): Unit 2- Began excavation of Waste Water Line north of Pipe Rack 25. Unit 1- Continued excavation and installation of Boiler Blow Down and West Fire Water Branch Line.
9. Newtron (K029): No Activity.

10. SPX Technologies (K057): Installed Steam Duct Manifold on Street 3 and vents on Streets 1 and 2. Continued preassembly of tube bundles, Collection Condensate Manifolds and Steam Duct Manifolds.
11. Whiting Turner (K067 – Buildings): Electrical Building 1 commissioning commenced, and Electrical Building 2 punch list items were being performed. Administration Building steel installations continued, and underground at the Water Treatment Building.
12. Crown Fence (K009): Security fence installation continued in Unit 1 and 2.
13. PMI (K022): Rigged and set Train 1 Evaporator. Prefabricated platforms for HTF and continued bushing on feed water foundations. Shaking out steel and preparing fabrication yard is ongoing.
14. USA Tank (K068): Continue shake out material in lay down yard.



Power Block 2- Air Cooled Condenser

Personnel on Site:

Genesis Team	28
NAM	10
SWCA	2
Sukut (K010)	20
Sukut (K008)	15
PSI Testing (K007)	4
Terracon	1
AECOM	21
Guardsmark (K005)	5
Largo (K013)	108
Largo (K015)	52
BPC (K100)	68
BPC (K011)	40
BPC (K102)	12
Sener	4
Newtron (K014)	20
Newtron (K029)	5
Holt Group	2
SPX Technologies (K057)	105
Whiting Turner (K067)	14
Crown Fence (K009)	18
PMI (K022)	32
CRIT Representatives	2
USA Tank (K068)	7
Total	595

Genesis Site Daily Report

August 21, 2012

Safety: No Accident or Injury.

Safety Topic of the Week: “Emergency Response Procedures”

Weather Conditions: Mostly Sunny, Temp – High 105; Southwest winds at 16 mph

Site Compliance: No issues to report.

Items completed and working:

1. Site Preparation (K008): Completed finish grade in Channel A and recommenced riprap installations.
2. Largo (K013): Unit 1 – Installing caisson in Block 2. Unit 2 – Constructing sleepers and drilling pipe supports between Blocks 2 & 3 going from East to West.
3. Blythe Power Constructors (K100): Continued SCE alignment in Solar Field 2 Block 7 and installation in Solar Field 2 Block 7. Material receiving is ongoing.
4. Blythe Power Constructors (K102): Continued to receive material and prep fabrication shop area.
5. Sukut (K010): Continued with site cleanup, dust control on the main access road and material receiving activities.
6. Newtron (K014): Continue ground grid installation Power block 1, Installing 15kv feeder cable Ring 2 Field 2, backfilling/compaction Ring 2, trenching in Ring 5 Field 2.
7. Largo (K015): Unit 2 – Stripped forms off East side columns for the Power Distribution Center 2A. Installing rebar in the Steam Turbine Generator North/South pipe way. Installing wall rebar in the Main transformer. Cleaning rebar & installing/stripping forms in the Heat Transfer Fluid Drain Pit. Unit 1 – Continuing second crew with cleaning up the Air Cooled Condenser, Heat Transfer Fluid Drain Pit, installing rebar in the Feed Water Heater.
8. Blythe Power Constructors (K011): Unit 2- Continued excavation and installation of Waste Water Line north of Pipe Rack 25. Unit 1- Continued excavation and installation of Boiler Blow Down and West Fire Water Branch Line.
9. Newtron (K029): No Activity.
10. SPX Technologies (K057): Continued structural steel installation and welding tube bundles. Preassembly of tube bundles, Collection Condensate Manifolds and Steam Duct Manifolds is ongoing.

11. Whiting Turner (K067 – Buildings): Electrical Building 1 commissioning continued, and Electrical Building 2 punch list items were being performed. Administration Building steel installations continued, and underground at the Water Treatment Building.
12. Crown Fence (K009): Security fence installation continued in Unit 1 and 2.
13. PMI (K022): Continued to shake out steel and prep foundations for pipe rack install. Prefabrication of platform steel for HTF Vessels is on-going.
14. USA Tank (K068): Continue shake out material in lay down yard.



Power Block 2- Main Transformer

Personnel on Site:

Genesis Team	25
NAM	10
SWCA	2
Sukut (K010)	20
Sukut (K008)	15
PSI Testing (K007)	4
Terracon	1
AECOM	21
Guardsmark (K005)	5
Largo (K013)	110
Largo (K015)	52
BPC (K100)	68
BPC (K011)	40
BPC (K102)	12
Sener	4
Newtron (K014)	20
Newtron (K029)	1
Holt Group	2
SPX Technologies (K057)	105
Whiting Turner (K067)	14
Crown Fence (K009)	18
PMI (K022)	44
CRIT Representatives	2
USA Tank (K068)	7
Total	602

Genesis Site Daily Report

August 22, 2012

Safety: No Accident or Injury.

Safety Topic of the Week: “Emergency Response Procedures”

Weather Conditions: Mostly Sunny, Temp – High 99; Southwest winds at 8 mph

Site Compliance: No issues to report.

Items completed and working:

1. Site Preparation (K008): Riprap installations continued.
2. Largo (K013): Unit 1 – Installing caisson in Block 2. Started re-drilling for caissons in Block 3. Unit 2 – Constructing sleepers and pipe supports between Blocks 2 & 3 going from East to West. Also constructing pipe supports in Block 7.
3. Blythe Power Constructors (K100): Continued SCE alignment in Solar Field 2 Block 7 and installation in Solar Field 2 Block 7. Material receiving is ongoing.
4. Blythe Power Constructors (K102): Continued to receive material and prep fabrication shop area.
5. Sukut (K010): Continued with site cleanup, dust control on the main access road and material receiving activities.
6. Newtron (K014): Continue ground grid installation, backfill/compaction Power Block 1; continue with 15kv feeder cable installation, backfill/compaction Ring 2 Field 2, trench excavation Ring 5 Field 2, and working thru grounding issues water treatment building in common area.
7. Largo (K015): Unit 2 – Backfilled East side columns for the Power Distribution Center 2A. Installing paper joints and rebar in the Steam Turbine Generator N/S pipe way. Installing wall rebar in the Main transformer. Setting embeds & installing forms in the Heat Transfer Fluid Drain Pit. Excavated Power Distribution Center 2C. Unit 1 – Continuing second crew forming Air Cooled Condenser columns, Heat Transfer Fluid Drain Pit, installing rebar in the Feed Water Heater.
8. Blythe Power Constructors (K011): Unit 2- Continued excavation and installation of Waste Water Line north of Pipe Rack 25. Unit 1- Continued excavation and installation of Boiler Blow Down Pipe. Removing and re-excavating Waste Water Drains around the Air Cooled Condenser.
9. Newtron (K029): Receiving equipment and materials to support K030 contract, installing conduit below/grade installation 2D field substation, prepping flex raceway for drive pylon installation Ring 1 Field 2.

10. SPX Technologies (K057): Continued structural steel installation and welding tube bundles. Preassembly of tube bundles, Collection Condensate Manifolds and Steam Duct Manifolds is ongoing.
11. Whiting Turner (K067 – Buildings): Electrical Building 1 commissioning continued, and Electrical Building 2 punch list items were being performed. Administration Building steel installations continued, and underground and footing excavation at the Water Treatment Building.
12. Crown Fence (K009): Security fence installation continued in Unit 1 and 2.
13. PMI (K022): Continued to shake out steel and prep foundations for pipe rack install. Prefabrication of platform steel for HTF Vessels is on-going.
14. USA Tank (K068): Floor installation at Raw Water tank recommenced.



Power Block 2- Air Cooled Condenser

Personnel on Site:

Genesis Team	27
NAM	10
SWCA	2
Sukut (K010)	20
Sukut (K008)	15
PSI Testing (K007)	6
Terracon	1
AECOM	21
Guardsmark (K005)	5
Largo (K013)	110
Largo (K015)	52
BPC (K100)	68
BPC (K011)	42
BPC (K102)	12
Sener	4
Newtron (K014)	20
Newtron (K029)	5
Holt Group	2
SPX Technologies (K057)	105
Whiting Turner (K067)	14
Crown Fence (K009)	18
PMI (K022)	46
CRIT Representatives	2
USA Tank (K068)	7
Total	614

Genesis Site Daily Report

August 23, 2012

Safety: Crown Fence employee was stung under his upper arm by a scorpion while troweling concrete around the base of a fence pole. 1st aid was administered and the employee was able to return to work.

Safety Topic of the Week: “Emergency Response Procedures”

Weather Conditions: Mostly Sunny, Temp – High 92; Southwest winds at 3 mph

Site Compliance: No issues to report.

Items completed and working:

1. Site Preparation (K008): No work due to rain yesterday afternoon.
2. Largo (K013): No work due to rain yesterday afternoon.
3. Blythe Power Constructors (K100): Continued SCE alignment in Solar Field 2 Block 7 and installation in Solar Field 2 Block 7. Material receiving is ongoing.
4. Blythe Power Constructors (K102): Continued to receive material and prep fabrication shop area.
5. Sukut (K010): Continued with site cleanup, dust control on the main access road, material receiving activities and trapezoidal ditch cleanup commenced.
6. Newtron (K014): Electrical crews were sent home for the day, operators cleaning trenches mud, water and debris, laborers pumping water out of trenches and field substation installations, were able to open up new trenching in Ring 5 second part of day.
7. Largo (K015): Unit 2 – Backfilling East side columns for the Power Distribution Center 2A. Installing wall rebar & forms in the Main transformer. Poured walls in the Heat Transfer Fluid Drain Pit. Working on Steam Turbine Bolt repairs. Unit 1 – Continuing second crew forming ACC columns, Heat Transfer Fluid Drain Pit, installing rebar in the Feed Water heater.
8. Blythe Power Constructors (K011): Unit 2- Continued excavation and installation of Waste Water Line north side of the Air Cooled Condenser. Unit 1- Continued excavation and installation of Boiler Blow Down Pipe. Removing pipe and re-excavating Waste Water Drains around the Air Cooled Condenser.
9. Newtron (K029): No Activity.
10. SPX Technologies (K057): Continued structural steel installation on Streets 1 and 2. Preassembly and welding of tube bundles, Collection Condensate Manifolds, Steam Duct Manifolds is ongoing.

11. Whiting Turner (K067 – Buildings): Electrical Building 1 commissioning continued, and Electrical Building 2 punch list items were being performed. Administration Building steel and wall installations continued, and Water Treatment Building footings were dewatered.
12. Crown Fence (K009): Security fence installation continued in Unit 1 and 2.
13. PMI (K022): Began installation of Pipe Rack 25 and continued setting platforms on HTF Vessels.
14. USA Tank (K068): Began setting base angle and continued floor installation at the Raw Water Tank.



Power Block 2- Pipe Rack 25

Personnel on Site:

Genesis Team	27
NAM	10
SWCA	2
Sukut (K010)	25
Sukut (K008)	3
PSI Testing (K007)	6
Terracon	1
AECOM	21
Guardsmark (K005)	5
Largo (K013)	25
Largo (K015)	57
BPC (K100)	68
BPC (K011)	42
BPC (K102)	12
Sener	4
Newtron (K014)	20
Newtron (K029)	5
Holt Group	2
SPX Technologies (K057)	105
Whiting Turner (K067)	14
Crown Fence (K009)	15
PMI (K022)	46
CRIT Representatives	2
USA Tank (K068)	7
Total	524

Genesis Site Daily Report

August 24, 2012

Safety: No Accident or Injury.

Safety Topic of the Week: “Emergency Response Procedures”

Weather Conditions: Mostly Sunny, Temp – High 101; Southwest winds at 11 mph

Site Compliance: No issues to report.

Items completed and working:

1. Site Preparation (K008): No Activity.
2. Largo (K013): No activity.
3. Blythe Power Constructors (K100): Continued SCE alignment in Solar Field 2 Block 7 and installation in Solar Field 2 Block 7. Material receiving is ongoing.
4. Blythe Power Constructors (K102): Continued to receive material and prep fabrication shop area.
5. Sukut (K010): Continued with site cleanup, dust control on the main access road, material receiving activities and trapezoidal ditch cleanup continued.
6. Newtron (K014): Continue ground grid installation Power Block #1. Coordination between foundations, piping and electrical, installing power cabling Ring 2 Field 2, trenching Ring 5.
7. Largo (K015): Unit 2 – Installing wall forms & embeds in the Heat Transfer Fluid Drain Pit. Continue working on Steam Turbine Bolt repairs which will continue thru the weekend and pour Sunday morning. Unit 1 – No work. Common Area – Layout & Start Excavating Wastewater Sump on Monday.
8. Blythe Power Constructors (K011): Unit 2- Continued installation and backfilling of Waste Water Line north side of the Air Cooled Condenser. Unit 1- Continued excavation and installation of Boiler Blow Down Pipe.
9. Newtron (K029): Continue receiving components, clean up 2D field substation, back to installing underground raceway and grounding.
10. SPX Technologies (K057): Continued structural steel installation on Streets 1 and 2. Preassembly and welding of tube bundles, Collection Condensate Manifolds, Steam Duct Manifolds is ongoing.
11. Whiting Turner (K067 – Buildings): No Activity.

12. Crown Fence (K009): No Activity.

13. PMI (K022): Continued installation of Pipe Rack 25, setting platforms on HTF Vessels and Siemens inventory.

14. USA Tank (K068): Continued setting base angle and completed floor installation at the Raw Water Tank.



Power Block 2- Pipe Rack 25

Personnel on Site:

Genesis Team	21
NAM	6
SWCA	1
Sukut (K010)	25
Sukut (K008)	2
PSI Testing (K007)	4
Terracon	1
AECOM	9
Guardsmark (K005)	5
Largo (K013)	0
Largo (K015)	35
BPC (K100)	68
BPC (K011)	15
BPC (K102)	12
Sener	4
Newtron (K014)	20
Newtron (K029)	10
Holt Group	2
SPX Technologies (K057)	105
Whiting Turner (K067)	0
Crown Fence (K009)	0
PMI (K022)	46
CRIT Representatives	2
USA Tank (K068)	7
Total	400

Genesis Site Daily Report

August 27, 2012

Safety: No Accident or Injury.

Safety Topic of the Week: “Material Handling Tips”

Weather Conditions: Sunny, Temp – High 106; Southeast winds at 6 mph

Site Compliance: No issues to report.

Items completed and working:

1. Site Preparation (K008): No Activity.
2. Largo (K013): Unit 1 - Worked on cleaning caisson holes from rain last Wednesday. Drilling & setting bolts/rebar for caissons in Block 2 & 3. Unit 2 – Re-drilling for pipe supports in Block 7 & 3. Cleaning up sleepers in Block 3
3. Blythe Power Constructors (K100): Continued SCE alignment in Solar Field 2 Block 7 and installation in Solar Field 2 Block 7. Material receiving is ongoing.
4. Blythe Power Constructors (K102): Continued to receive material and prep fabrication shop area.
5. Sukut (K010): Continued with site cleanup, dust control on the main access road, material receiving activities and trapezoidal ditch cleanup continued.
6. Newtron (K014): Ground grid installation in both power blocks, completed last power jumpers for Ring 2 and began final backfill/compaction new trenches, backfilled and retrenching line A Ring 5, scheduled to begin laterals Tuesday.
7. Largo (K015): Unit 2 – Completed Backfill on East side columns for the Power Distribution Center 2A and starting duct bank excavation tomorrow. Installing wall rebar & forms in the Main transformer. Stripping walls in the Heat Transfer Fluid Drain Pit. Completed Steam Turbine Bolt repairs on Sunday and performing as-builts today. Unit 1 – Forming Air Cooled Condenser columns, installing rebar for the Heat Transfer Fluid Drain Pit & in the Feed water heater. Common Area – Starting excavation for the Wastewater sump tomorrow.
8. Blythe Power Constructors (K011): Unit 2- Completed backfill of Waste Water North of the Air Cooled Condenser and began backfill of the fire hydrants around the Power Block. Unit 1- Continued excavation and installation of Boiler Blow Down Pipe.
9. Newtron (K029): Continue re -work on 2D field substation trenching and conduit installation, received first delivery Local Control Boxes, off-loading, inspections and storing.

10. SPX Technologies (K057): Continued structural steel installation on Streets 1 and 2. Preassembly and welding of tube bundles, Collection Condensate Manifolds, Steam Duct Manifolds is ongoing.
11. Whiting Turner (K067 – Buildings): Electrical Building 1 commissioning continued, and Electrical Building 2 punch list items were being performed. Administration Building decking reinforcement completed with concrete pour tomorrow, and Water Treatment Building footing excavation continued.
12. Crown Fence (K009): Continued installing tortoise fence in Unit 2 and setting wind fence posts in Unit 1.
13. PMI (K022): Offloaded HTF Expansion Vessel and worked on verifying bolt locations on Steam Turbine Generator foundation. Continued Pipe Rack 25 installation.
14. USA Tank (K068): Set Rings 3 and 4 of the Waste Water tank.



Power Block 2- Offloading Heat Transfer Fluid Expansion Vessel

Personnel on Site:

Genesis Team	24
NAM	12
SWCA	2
Sukut (K010)	16
Sukut (K008)	2
PSI Testing (K007)	4
Terracon	1
AECOM	16
Guardsmark (K005)	5
Largo (K013)	110
Largo (K015)	57
BPC (K100)	68
BPC (K011)	40
BPC (K102)	12
Sener	4
Newtron (K014)	20
Newtron (K029)	7
Holt Group	2
SPX Technologies (K057)	105
Whiting Turner (K067)	26
Crown Fence (K009)	15
PMI (K022)	48
CRIT Representatives	2
USA Tank (K068)	7
Total	605

Genesis Site Daily Report

August 28, 2012

Safety: No Accident or Injury.

Safety Topic of the Week: “Material Handling Tips”

Weather Conditions: Mostly Sunny, Temp – High 109; Southeast winds at 2 mph

Site Compliance: No issues to report.

Items completed and working:

1. Site Preparation (K008): Trapezoidal ditch excavation recommenced in Unit 1.
2. Largo (K013): Unit 1 – Re-drilling holes and resetting cages for caissons in Block 2 &
3. Pouring caissons will resume tomorrow. Unit 2 – Re-drilling for pipe supports in Block 7 &
3. Cleaning up sleepers in Block 3.
3. Blythe Power Constructors (K100): Continued SCE alignment in Solar Field 2 Block 7 and installation in Solar Field 2 Block 7. Material receiving is ongoing.
4. Blythe Power Constructors (K102): Continued to receive material and prep fabrication shop area.
5. Sukut (K010): Continued with site cleanup, dust control on the main access road, material receiving activities and trapezoidal ditch cleanup continued.
6. Newtron (K014): Continued ground grid installation Power Block #2, trenching Ring #5, backfill/compaction line G Ring 2 all Field #2
7. Largo (K015): Unit 2 – Starting Power Distribution Center 2A duct bank excavation tomorrow. Installing wall forms in the Main transformer. Setting wall forms in the Heat Transfer Fluid Drain Pit. Started excavating the East West Pipe Rack Foundations located North of the Steam Turbine Generator. Installing rebar for the Demineralized Tank ring wall footing. Unit 1 – Forming Air Cooled Condenser columns, installing rebar in the Feed Water Heater. Common Area – Started excavation for the Wastewater Sump.
8. Blythe Power Constructors (K011): Unit 2- Continued backfill of the fire hydrants around the Power Block. Unit 1- Continued excavation and installation of Boiler Blow Down Pipe and re-excavating Waste Water Drains.
9. Newtron (K029): Trenching and underground ground conduit installation 2D field substation, storing Local Control Boxes in water tight connex's.

10. SPX Technologies (K057): Continued structural steel installation on Streets 1 and 2. Preassembly and welding of tube bundles, Collection Condensate Manifolds, Steam Duct Manifolds is ongoing. Planning to begin X-Ray testing later this week.
11. Whiting Turner (K067 – Buildings): Electrical Building 1 commissioning continued, and Electrical Building 2 punch list items were being performed. Administration Building decking pour completed and steel installations continued. Water Treatment Building footing excavation continued.
12. Crown Fence (K009): Continued trenching and installing security fence in Unit 2.
13. PMI (K022): Continued setting Pipe Rack 25, verifying bolt locations on the Steam Turbine Generator and install platforms on Heat Transfer Fluid Overflow Vessels.
14. USA Tank (K068): Set Rings 1 and 2 of the Waste Water tank.



Power Block 2- Air Cooled Condenser

Personnel on Site:

Genesis Team	26
NAM	12
SWCA	2
Sukut (K010)	16
Sukut (K008)	26
PSI Testing (K007)	4
Terracon	1
AECOM	16
Guardsmark (K005)	5
Largo (K013)	110
Largo (K015)	57
BPC (K100)	68
BPC (K011)	40
BPC (K102)	12
Sener	4
Newtron (K014)	20
Newtron (K029)	7
Holt Group	2
SPX Technologies (K057)	105
Whiting Turner (K067)	19
Crown Fence (K009)	15
PMI (K022)	52
CRIT Representatives	2
USA Tank (K068)	7
Total	628

Genesis Site Daily Report

August 29, 2012

Safety: No Accident or Injury.

Safety Topic of the Week: “Material Handling Tips”

Weather Conditions: Mostly Sunny, Temp – High 106; Southeast winds at 10 mph

Site Compliance: No issues to report.

Items completed and working:

1. Site Preparation (K008): Trapezoidal ditch excavation continued in Unit 1.
2. Largo (K013): Unit 1 – Drilling and resetting cages for caissons in Block 2 & 3. Pouring caissons in Block 3. Unit 2 – Re-drilling for pipe supports in Block 3. Cleaning up sleepers in Block 3 and poured a few sleeper walls.
3. Blythe Power Constructors (K100): Continued SCE alignment in Solar Field 2 Block 7 and installation in Solar Field 2 Block 7. Material receiving is ongoing.
4. Blythe Power Constructors (K102): Continued to receive material and prep fabrication shop area.
5. Sukut (K010): Continued with site cleanup, dust control on the main access road, material receiving activities and trapezoidal ditch cleanup continued.
6. Newtron (K014): Continue backfill/compaction Ring 2 Field 2, trenching Ring 5, ground grid installation Power Block 2.
7. Largo (K015): Unit 2 – Starting Power Distribution Center 2A duct bank excavation tomorrow. Installing wall forms in the Main transformer and pouring the first lift tomorrow. Poured walls in the Heat Transfer Fluid Drain Pit. Continued excavating the East West Pipe Rack Foundations located North of the Steam Turbine Generator. Installing rebar for the Demineralized tank ring wall and Power Distribution Center 2C footing. Unit 1 – Forming Air Cooled Condenser columns, installing rebar in the Feed Water heater. Common Area – Completed excavation for the Wastewater sump and softener water sump and started rebar installation on the wastewater sump.
8. Blythe Power Constructors (K011): Unit 2- Continued backfill of the fire hydrants around the Power Block. Unit 1- Continued excavation and installation of Boiler Blow Down Pipe and re-excavating Waste Water Drains. Common Area- Began excavation of Fire Water Loop.
9. Newtron (K029): Inspections and storing Local Control Boxes, continue installation conduit 2D field substation, completed Benchmark installation procedure for Local Control Box installation.

10. SPX Technologies (K057): Continued structural steel installation on Streets 1 and 2. Continued welding tube bundles to Collection Condensate Manifold on Street 4 and welding Steam Duct Manifold to tube bundles. Preassembly of Steam Duct Manifold, Turbine Exhaust Duct and installing Steam Duct Manifold Platforms is ongoing. Preassembled motor bridges and set motors and gear boxes.
11. Whiting Turner (K067 – Buildings): Electrical Building 1 commissioning continued, and Electrical Building 2 punch list items were being performed. Administration Building steel and wall installations continued.
12. Crown Fence (K009): Continued installing security fence in Unit 2 and setting wind fence posts in Unit 1.
13. PMI (K022): Continued setting Pipe Rack 25 and installing platforms on Heat Transfer Fluid Overflow Vessels.
14. USA Tank (K068): Setting platforms and base ring of the Waste Water tank. Moved equipment to Treated Water Tank to begin installation tomorrow.



Power Block 2- Pipe Rack 25 Install

Personnel on Site:

Genesis Team	26
NAM	12
SWCA	2
Sukut (K010)	16
Sukut (K008)	26
PSI Testing (K007)	4
Terracon	1
AECOM	16
Guardsmark (K005)	5
Largo (K013)	110
Largo (K015)	57
BPC (K100)	68
BPC (K011)	40
BPC (K102)	12
Sener	4
Newtron (K014)	20
Newtron (K029)	7
Holt Group	2
SPX Technologies (K057)	110
Whiting Turner (K067)	19
Crown Fence (K009)	15
PMI (K022)	52
CRIT Representatives	2
USA Tank (K068)	7
Total	633

Genesis Site Daily Report

August 30, 2012

Safety: Yesterday at approximately 10:30 am an SPX truck driver was unbinding chains from a load on his truck when the binder opened and struck the employee. The employee finished the shift. When returning to work 8-30 the employee reported pain in his arm and asked to see a doctor. The doctor examined the employee and found no fractures. The employee was released to work. The investigation is in progress.

Safety Topic of the Week: “Material Handling Tips”

Weather Conditions: Light Rain, Temp – High 98; South winds at 9 mph

Site Compliance: No issues to report.

Items completed and working:

1. Site Preparation (K008): Trapezoidal ditch excavation continued in Unit 1.
2. Largo (K013): Unit 1 – Drilling and setting cages for caissons in Block 2 & 3. Pouring caissons in Block 3. Unit 2 – Re-drilling for pipe supports in Block 3. Cleaning up sleepers in Block 3. Poured 2 pipe bridges yesterday and formed columns today.
3. Blythe Power Constructors (K100): Continued SCE alignment in Solar Field 2 Block 7 and installation in Solar Field 2 Block 7. Material receiving is ongoing.
4. Blythe Power Constructors (K102): Continued to receive material and prep fabrication shop area.
5. Sukut (K010): Continued with site cleanup, dust control on the main access road, material receiving activities and trapezoidal ditch cleanup continued.
6. Newtron (K014): Continue installation Power Block #2 ground grid, trenching and installing ground conductor ring 5, backfill and compaction and cable testing ring 2. Began baseline megger testing condensate and boiler feed pump drive motors.
7. Largo (K015): Unit 2 – Set Power Distribution Center 2A duct bank layout. Installing wall forms in the Main transformer and poured the first lift on the blast wall. Stripped walls in the Heat Transfer Fluid Drain Pit. Continued excavating the East West Pipe Rack Foundations located North of the Steam Turbine Generator. Installing rebar for the Power Distribution Center 2C footing. Unit 1 – Poured some Air Cooled Condenser columns on the West end. Common Area – Installed rebar and poured the bottom slab for the Wastewater sump and started rebar installation on the softener water sump.

8. Blythe Power Constructors (K011): Unit 2- Continued backfill of the fire hydrants around the Power Block. Unit 1- Continued excavation and installation of Boiler Blow Down Pipe and re-excavating Waste Water Drains. Common Area- Continued excavation and installation of Fire Water Loop.
9. Newtron (K029): Developed benchmark installation procedure for Local Control Box installation, installed 25 Local Control Boxes, continue underground raceway for field substation installation.
10. SPX Technologies (K057): Continued structural steel installation on Streets 1 and 2. Continued welding tube bundles to Collection Condensate Manifold on Street 4 and welding Steam Duct Manifold to tube bundles. Preassembly of Steam Duct Manifold, Turbine Exhaust Duct and installing Steam Duct Manifold Platforms is ongoing. Preassembled motor bridges and set motors and gear boxes.
11. Whiting Turner (K067 – Buildings): Electrical Building 1 commissioning continued, and Electrical Building 2 punch list items were being performed. Administration Building steel and wall installations continued, along with mechanical, electrical, and plumbing rough-ins.
12. Crown Fence (K009): Continued installing security fence in Unit 2 and setting wind fence posts in Unit 1.
13. PMI (K022): Continued setting Pipe Rack 25 and installing platforms on Heat Transfer Fluid Overflow Vessels and bushing Power Distribution Center Foundations.
14. USA Tank (K068): Installed platforms and nozzles on Waste Water Tank.



Common Area- Waste Water Sump Inspection

Personnel on Site:

Genesis Team	25
NAM	12
SWCA	2
Sukut (K010)	16
Sukut (K008)	26
PSI Testing (K007)	5
Terracon	1
AECOM	16
Guardsmark (K005)	5
Largo (K013)	110
Largo (K015)	57
BPC (K100)	68
BPC (K011)	40
BPC (K102)	12
Sener	4
Newtron (K014)	20
Newtron (K029)	7
Holt Group	2
SPX Technologies (K057)	110
Whiting Turner (K067)	19
Crown Fence (K009)	15
PMI (K022)	55
CRIT Representatives	2
USA Tank (K068)	7
Total	636

Genesis Site Daily Report

August 31, 2012

Safety: No Accident or Injury.

Safety Topic of the Week: “Material Handling Tips”

Weather Conditions: Sunny, Temp – High 100; Southeast winds at 13 mph

Site Compliance: No issues to report.

Items completed and working:

1. Site Preparation (K008): Trapezoidal ditch excavation continued in Unit 1.
2. Largo (K013): No Activity Today.
3. Blythe Power Constructors (K100): Inventoried all material onsite. Material receiving is ongoing.
4. Blythe Power Constructors (K102): Continued to receive material and prep fabrication shop area.
5. Sukut (K010): Continued with site cleanup, dust control on the main access road, material receiving activities and trapezoidal ditch cleanup continued.
6. Newtron (K014): Continue installation Power Block #2 ground grid, trenching and installing ground conductor ring 5, backfill and compaction and cable testing ring 2.
7. Largo (K015): No Activity Today.
8. Blythe Power Constructors (K011): Unit 2- Continued backfill of the fire hydrants around the Power Block. Unit 1- Continued back fill of Boiler Blow Down Pipe.
9. Newtron (K029): Continued with installation of Local Control Boxes, and underground raceway for field substation installation.
10. SPX Technologies (K057): Continued structural steel installation on Streets 1 and 2. Cleaned up lay down area and work site.
11. Whiting Turner (K067 – Buildings): Administration Building steel and wall installations continued, along with mechanical, electrical, and plumbing rough-ins.
12. Crown Fence (K009): No Activity Today.

13. PMI (K022): Continued setting Pipe Rack 25 and installing platforms on Heat Transfer Fluid Overflow Vessels and bushing Power Distribution Center Foundations.

14. USA Tank (K068): Continued installing miscellaneous components on Waste Water Tank and prepping for installation of Treated Water Tank next week.



Power Block 2

Personnel on Site:

Genesis Team	20
NAM	5
SWCA	1
Sukut (K010)	16
Sukut (K008)	26
PSI Testing (K007)	2
Terracon	1
AECOM	7
Guardsmark (K005)	5
Largo (K013)	0
Largo (K015)	0
BPC (K100)	40
BPC (K011)	10
BPC (K102)	12
Sener	4
Newtron (K014)	20
Newtron (K029)	7
Holt Group	2
SPX Technologies (K057)	50
Whiting Turner (K067)	19
Crown Fence (K009)	0
PMI (K022)	55
CRIT Representatives	2
USA Tank (K068)	7
Total	311

COUNTY OF RIVERSIDE
DEPARTMENT OF TRANSPORTATION - PERMIT DIVISION

(This permit is NULL and VOID without permit conditions attached)

In compliance with your request and subject to all of the terms, conditions and restrictions written below and the attachments, permission is hereby granted to:

TRANSPORTER

NAME: CONTRACTORS CARGO
ADDR: P.O. BOX 5290
CITY: COMPTON, CALIFORNIA 90224
PHONE: (909)307-6300 EXT:

Table with permit details: PERMIT VALID (SUNRISE 08-20-12 and sunset 08-30-12), MOVING AUTHORIZED (Saturday till noon YES, Sunday NO, Sunset to sunrise NO), D08-12-0096 Permit Number, and Authorized Dept. Representative signature.

Table with 3 columns: X, HAUL DRIVE TOW, LOAD OR EQUIPMENT AND MODEL NO. (UNLADEN 11 AXLE RAIL TRANSPORTER)

TYPE VEHICLE: 3 AXLE TRACTOR-8 AXLE STEERABLE DOLLY

KING PIN TO LAST AXLE:N/A

COMB VEH LENGTH:105'0"

LOADED DIMENSIONS DIFFERENT THAN OR WEIGHTS EXCEEDING THOSE SHOWN ARE NOT AUTHORIZED

Table with dimensions: MAX. HEIGHT: 14'0", MAX. WIDTH: 15'3", MAX.O/LENGTH: 105'0", MAX.OVERHANG: LEGAL

Table with 10 columns for axle details: AXLE NO., # TIRES, AXLE SPACING, AXLE WIDTH, WEIGHT

ORIGIN: 19955 WILEYS WELL RD. DEST:WILEYS WELL RD. & I-10 TRIPS: 1

ROUTE: ** (PERMIT ACCURACY IS RESPONSIBILITY OF DRIVER) **
OF AXLES: 11
OF TIRES: 8
AXLE SPACING: 9'1" & 9'0"
AXLE WIDTH: 15'3"
WEIGHT: 15,000

COUNTY PORTIONS OF WILEYS WELL ROAD BETWEEN ORIGIN AND INTERSTATE 10.

PILOT CAR: [X] YES [] NO

CASH [X] CHARGE [] EXEMPT [] ATTACHMENTS: [X] - PERMIT CONDITIONS
FEE: 15.00
Bill to: THE PERMIT COMPANY, 789 SOUTH ARROYO PARKWAY, PASADENA CALIFORNIA 91105

PERMIT ACCURACY IS THE RESPONSIBILITY OF THE DRIVER DRIVER IS RESPONSIBLE FOR OVERHEAD CLEARANCES

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PERMIT RIDER
TR-0016 (NEW 5/2000)

1206

ADA Notice
For individuals with sensory disabilities, this document is available in alternate formats. For information call (916) 654-6410 or TDD (916) 654-3880 or write Records and Forms Management, 1120 N Street, MS-89, Sacramento, CA 95814.

TO BE ATTACHED TO AND MADE A PART OF TRANSPORTATION PERMIT NUMBER:		STATE USE ONLY	
Permit # 113458		EFFECTIVE:	08-17-2012
		EXPIRES SUNSET:	08-23-2012
PERMITTEE: CONTRACTORS CARGO		PERMIT NUMBER	114185 C1 12:57
ADDRESS: 500 S ALAMEDA ST COMPTON, CA		PAGE 1 OF 1	
PHONE #: 310-609-1957	FAX #: 310-609-0365		
AUTHORIZED AGENT: VICTOR HERNANDEZ	DATE: 8/17/12	AUTHORIZED STATE AGENT: ERIC GUNN	
STATE USE ONLY:			

THIS RIDER IS TO CHANGE THE PERMIT DATES FROM 08-11-12 THRU 08-17-12 TO 08-17-12 THRU 08-23-12 ON PERMIT # 113458

<input type="checkbox"/> CASH CK/CC #
<input checked="" type="checkbox"/> CHARGE DB # 07-0300
<input type="checkbox"/> EXEMPT
<input type="checkbox"/> NO CHARGE
FEE: \$ 16.00

THIS RIDER DOES NOT NULLIFY NOR MAKE VOID ANY CITATION ISSUED TO THE ORIGINAL PERMIT. EXCEPT AS AMENDED ABOVE ALL OTHER ITEMS AND PROVISIONS OF THE ORIGINAL PERMIT SHALL REMAIN IN EFFECT. THIS RIDER MUST BE ATTACHED TO THE ORIGINAL PERMIT.

3980

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PERMIT

TR-0015 (REV. 02/2005)

IN COMPLIANCE WITH YOUR REQUEST AND SUBJECT TO ALL THE TERMS, CONDITIONS AND RESTRICTIONS WRITTEN BELOW AND IN THE ACCOMPANIMENTS, PERMISSION IS HEREBY GRANTED TO:

PERMIT VALID:
 FROM: 08/11/2012
 TO: 8-17-12
 MOVEMENT AUTHORIZED:
 PERMIT VALID FOR 7 CONSECUTIVE DAYS
 SEE 24/7 TRAVEL CONDITIONS FOR AUTHORIZED TIMES OF MOVEMENT.
 NO NIGHT TRAVEL

PERMIT NUMBER
 113458 CT 08:20
 THIS PERMIT IS NOT VALID WITHOUT THE FOLLOWING ACCOMPANIMENTS:
 Permit Conditions 04/2007
 24/7 Travel Conditions
 Calif Vehicle Inspection Report
 SC MH MH Certifications
 Pilot Car Special Conditions
 Curfew Maps (LA, SAC, SD, SF)
 SC Holiday Conditions
 page 2 axles 10 & 11

NAME
CONTRACTORS CARGO COMPANY
 ADDRESS
500 S. ALAMEDA ST.
 CITY/STATE/ZIP
COMPTON, CA. 90221
 OFFICE PHONE NUMBER (Including Area Code) (310) 609-1957
 OFFICE FAX NUMBER (Including Area Code) (310) 609-0365

DESCRIPTION OF THE LOAD OR EQUIPMENT AND MODEL NO. HAUL DRIVE TOW
 unladen 11ax rail transporter
 DIMENSIONS OF LOAD
 105L x 15'3W x 12H
 DESCRIPTION OF HAULING EQUIPMENT:
 3ax ballasted trac (2) 4ax Dual Lane steerable dollies

VEHICLE WIDTH: 15'3	SEMI-TRAILER LENGTH: N/A	KINGPIN TO LAST AXLE: N/A	COMB VEHICLE LENGTH: 105						
AXLE NUMBER	1	2	3	4	5	6	7	8	9
NUMBER OF TIRES PER AXLE	2	4	4	8	8	8	8	8	8
DISTANCE BETWEEN AXLES	179	4'6	11'4	9'0	9'1	9'0	10'1	9'0	
WIDTH OF AXLES AT TIRE SIDEWALL	8	8	8	15'3	15'3	15'3	15'3	15'3	15'3
MAXIMUM ALLOWABLE WEIGHT	14000	34000	15000	15000	15000	15000	15000	15000	15000

NOT TO EXCEED THE LOADED DIMENSIONS SHOWN BELOW OR AXLE WEIGHTS SHOWN ABOVE

LOADED HEIGHT: 14' 00"	LOADED WIDTH: 15' 03"	LOADED OVERALL LENGTH: 105' 00"	LOADED OVERHANG: none	WEIGHT CLASS: BG11
------------------------	-----------------------	---------------------------------	-----------------------	--------------------

ORIGIN: Blythe / Wileys Well Rd s/b on ramp
 DESTINATION: Long Beach / Santa Fe Ave

AUTHORIZED STATE HIGHWAYS - CITY AND/OR COUNTY PERMITS MAY BE REQUIRED WHENEVER THE * IS SHOWN IN THE STATE ROUTE. For office use only

* FROM WILEYS WELL RD S/B ON RAMP - 010W - 015S - 060W - 605S - 105W - 710S - 001N - TO SANTA FE AVE EXIT *

S/B 710 AT 710/91 JCT RTE -- MAINLINE CLOSURE -- 07/23/2012 THRU 08/20/2012, 1800 HRS TO 0800 HRS NIGHTLY.
 S/B 710 FROM 710/405 JCT RTE TO 710/1 JCT RTE (LONG BEACH) -- MAINLINE CLOSURE -- 07/16/2012 THRU 08/19/2012, 2300 HRS TO 0600 HRS NIGHTLY.

PILOT CAR YES NO **TWO ENTIRE MOVE**

CASH, CHARGE, CREDIT CARD OR EXEMPT INFORMATION 07-0300	APPLICANT SIGNATURE <i>Brad Tuttle</i>	DATE 07/27/2012
CREDIT CARD EX. DATE FEE \$ 16.00	NUMBER OF TRIPS one (1)	AUTHORIZED STATE AGENT T. WOOD
REQUESTED ROUTE: (Include Address of Origin and Delivery Site) from Wileys Well Rd s/b on ramp - 10w - 15s - 60w - 605s - 105w - 710s - 1n - to Santa Fe Ave *** **		DATE 8-3-12

REQUESTED ROUTE: (Include Address of Origin and Delivery Site)
 from Wileys Well Rd s/b on ramp - 10w - 15s - 60w - 605s - 105w - 710s - 1n - to Santa Fe Ave *** **

CONTACT PERSON (PRINT)
 Brad Tuttle



**LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION PERMIT**

Permittee Name	Contractors Cargo Company	PERMIT VALID BETWEEN 08/20/2012 10:48 AM 08/23/2012 11:59 PM MOVING AUTHORIZED SATURDAY: YES SUNDAY: NO SUNSET TO SUNRISE: YES	Permit No. 194654
Address	P.O. Box 5290 Compton CA 90224		Type Single Trip
Phone	310-609-1957		Date Issued 08/20/2012
Email	vhemandez@contractorscargo.com		Authorized Agent Maryam Adhami
			DPW Authorization

Load Content	Other		
Vehicle Type	Combination - Tractor and Multiple Trailering Equip		
Load Description	UNLADEN 11 AXLE RAIL TRANSPORTATION		
Equipment Description	3 AX TARC 2 4 AXLE DUAL LANE STEERABLE DOLLIES		
Max Kingpin to Last Axle	Legal	Combined Vehicle Len.	105' 0"

MEASURED LOAD DIMENSIONS THAT ARE DIFFERENT THAN AND/OR ACTUAL WEIGHTS EXCEEDING THOSE SHOWN BELOW, AUTOMATICALLY VOID THIS PERMIT
The vehicle or vehicle combination shall be maintained in good and safe operating condition and appropriate for the load specified on this permit. All tires shall be in good condition and properly matched and inflated.

Max Height	Legal	Max Width	15' 3"	Max Overall Length	105' 0"
Front Overhang	Legal	Rear Overhang	Legal	<input type="checkbox"/> Rear Steering Axle	
Steering Axle Wgt. is	22,000 pounds or less		Load Complies with Caltrans	Green Weight	

Axle #	1	2	3	4	5	6	7	8	9
Number Tires	2	4	4	8	8	8	8	8	8
Axle Spacing	17' 9"		4' 6"	11' 4"	9' 0"	9' 1"	9' 0"	10' 1"	9' 0"
Tire Distance	8' 0"	8' 0"	8' 0"	15' 3"	15' 3"	15' 3"	15' 3"	15' 3"	15' 3"
Weight (in lbs)	14000	34000		15000	15000	15000	15000		

Axle #	9	10	11	12	13
Number Tires	8	8	8		
Axle Spacing	9' 1"		9' 0"		
Tire Distance	15' 3"	15' 3"	15' 3"		
Weight (in lbs)	15000				

Cities for which the permit applies:
Long Beach

Pilot Car	2 Required	Destination	PIER F	Accompaniments <input checked="" type="checkbox"/> Attachment 1 <input checked="" type="checkbox"/> Attachment 13 <input checked="" type="checkbox"/> Attachment 2 <input checked="" type="checkbox"/> Attachment 7 <input checked="" type="checkbox"/> Special Provisions
Origin	HWY 1 & SANTA FE			
Haul Route	1 - SANTA FE - 9TH STREET - PICO BLVD - HARBOR SCENIC - PIER F AVE TO BERTH 206			
License No.				
Fee Amount	\$16.00			
Permittees Authorized Agent	THE PERMIT COMPANY (800-874-5512) -- 08/20/2012			
Agency Comments				

Permits may be verified at www.dpw.lacounty.gov



LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS

"SPECIAL PROVISIONS"

Subject to California Vehicle Code Division 15 and Los Angeles County Code Title 16

These provisions are attached to and made a part of Permit No. 194654. This permit shall become void without required accompaniments.

This moving permit is subject to the provisions set forth in the County of Los Angeles Highway Permit Ordinance (Title 16, Los Angeles County Code), the Motor Vehicle Code of the State of California (Division 15) and/or the Municipal Code or City ordinance of the City for which this permit is issued and the required accompaniments.

In consideration of the granting of this permit, it is agreed by the applicant that the County of Los Angeles or the City wherein the permit work is to be performed and any of their officers or employees thereof shall be saved harmless by the applicant from any liability or responsibility for any accident, loss or damage to persons or property, happening or occurring as the proximate result of any of the work undertaken under the terms of this application and the permit or permits which may be granted in response thereto, and that all of said liabilities are hereby assumed by the applicant. The applicant further agrees that in case of damage to the roadway, by reason of these operations, to reimburse the County of Los Angeles or the City wherein the damage occurred for the cost of repairing or restoring the roadway to its original condition.

MOVING IN INCLEMENT WEATHER. Movement shall not occur in snow, fog, rain, or wind when visibility is reduced to less than 1,000 feet (304.8 meters). Movement is prohibited when road surfaces are hazardous or use of tire chains is mandatory. In addition, manufactured housing shall not move when the velocity of the wind is such that it causes the vehicle being towed to whip or swerve from side-to-side or fail to follow substantially in the path of the towing vehicle. If inclement weather is encountered during the movement of the vehicle, it shall continue to move, using reasonable care and precaution to prevent traffic disruption, to the nearest suitable location to where the load may be parked until the inclement weather passes. The speed limit shall not exceed 25 mph or the posted speed whichever is less when moving to park at the nearest suitable location. An encroachment permit may be required, from the governing agency, when load is stopped or parked, depending on conditions and location.

"This is to certify that I, as the permit or license applicant, am familiar with the requirements of County Lobbyist Ordinance - Los Angeles County Code, Chapter 2.160, et seq., and that all persons acting on behalf of myself have complied with and will continue to comply therewith throughout the application process."

DECLARATION OF ROUTE REVIEW

I declare that:

- 1. Within the week preceding the date of this Declaration, I, or the permittee I represent, have reviewed, in the field, the proposed route shown on the attached moving permit application dated 8/20/12, and found it acceptable to accommodate the height, length and width of the vehicle (including load) for which the permit is required.
2. I further declare that said review has indicated:
a. [] There are no bridges within the permitted route.
b. [] There are one or more bridges within the permitted route.
a) The driver will be instructed to look for and to take appropriate action to avoid construction activities that might reduce the vertical clearance under any such bridge.
b) For loads exceeding 125 tons, driver shall follow provisions or comments stipulated in approved structural review (when applicable).

I declare that the following declaration is true and correct under penalty of perjury.

Executed at Compton, CA, on 8/20/12 (City) (State) (Date)

Signature: [Handwritten Signature] Print Name: V. Hernandez (Permittee or Authorized Representative)

CALIFORNIA ENERGY COMMISSION

1516 NINTH STREET
SACRAMENTO, CA 95814-5512
www.energy.ca.gov



**STATE OF CALIFORNIA
ENERGY RESOURCES CONSERVATION
AND DEVELOPMENT COMMISSION**

California Energy Commission DOCKETED 09-AFC-8C
TN # 66682 AUG 15 2012

In the Matter of:)	
Genesis Solar Energy Project)	Docket No. 09-AFC-8C
)	Order No. 12-0809-5
Genesis Solar, LLC)	ORDER APPROVING
)	the Petition to Amend the Final Decision
)	
)	

On April 7 2012, Genesis Solar, LLC (NextEra Energy) submitted a petition requesting approval of a rerouted gen-tie line, a rerouted natural gas line, construction of a new dedicated substation (and ring bus) adjacent to the Colorado River Substation, and for amended air quality conditions resulting from the use of new equipment. The modifications will allow the project owner to comply with unanticipated third-party agency requirements and terms of a new Large Generation Interconnect Agreement (LGIA). The project owner has requested approval of both Option A and Option B for both the gen-tie line and natural gas line and for approval of changes to Energy Commission Conditions of Certification that would facilitate the use of new equipment.

The air quality modifications were approved by the Mojave Desert Air Quality Management District's (MDAQMD) Authority to Construct (ATC) Permit.

STAFF RECOMMENDATION

Energy Commission staff reviewed the petition and finds that it complies with the requirements of Title 20, Section 1769(a) of the California Code of Regulations and recommends approval of Genesis Solar LLC's petition to modify the Genesis Solar Energy Project and to amend related Conditions of Certification.

ENERGY COMMISSION FINDINGS

Based on staff's analysis, the Energy Commission concludes that the proposed changes will not result in any significant impact to public health and safety, or the environment. The Energy Commission finds that:

- The petition meets all the filing criteria of Title 20, section 1769(a) of the California Code of Regulations concerning post-certification project modifications;

- The modification will not change the findings in the Energy Commission's Final Decision pursuant to Title 20, section 1755;
- The project will remain in compliance with all applicable laws, ordinances, regulations, and standards, subject to the provisions of Public Resources Code section 25525;
- The Change will be beneficial to the public and the project owner because the Genesis Solar Energy Project will continue to operate in compliance with both the MDAQMD Permit and the Energy Commission Conditions of Certification.
- There has been a substantial change in circumstances since the Energy Commission certification justifying the change, and the change is based on information that was not available to the parties prior to Energy Commission certification because the changes require reconfiguring the routing of the gen-tie line and the natural gas line. The change(s) will also re-establish consistency between the Energy Commission conditions and the Authority to Construct Permit issued by the MDAQMD.

CONCLUSION AND ORDER

The California Energy Commission hereby adopts Staff's recommendations and approves the following changes to the Commission Decision for the Genesis Solar Energy Project. New language is shown as **bold and underlined**, and deleted language is shown in ~~strikeout~~.

CONDITIONS OF CERTIFICATION

AQ-SC9 The engines used during the commissioning phase shall be registered under the ARB Portable Equipment Registration Program. They shall be fueled with natural gas rather than diesel to the degree that site conditions allow.

Verification: Prior to engine use, the project owner shall provide the District and the CPM documentation of the portable equipment registration from the ARB.

AQ-SC10 The facility is allowed to use portable engines between the hours of 8 am and 5 pm (peak operating hours) as long as the hourly emissions from all portable engines combined do not exceed the following limits:

NOx: 86.95 lb/hr

PM10: 3.29 lb/hr

At all other times (non-peak operating hours) emissions shall be limited to the following:

NOx: 14.25 lb/hr

PM10: 0.84 lb/hr

In addition, from May through August, if power block unit 2 undergoes commissioning first while unit 1 is under construction, then peak

operating hours can be extended to begin at 7 am and conclude at 6 pm.

However, if power block unit 1 undergoes commissioning first while unit 2 is under construction, then the following maximum emission limits shall apply from May through August, between the hours of 7 am and 8 am, and 5 pm and 6 pm (between 8 am and 5pm the above mentioned limits for peak operating hours shall apply):

NOx: 82.84 lb/hr

PM10: 3.13 lb/hr

Verification: The project owner shall provide engine operating logs as part of the monthly compliance report as required by AQ-SC5. The engine operating logs shall include a table that shows the hours engine operation occurred, quantity of engines operated during each hour, type of engines (fuel type, engine size and Tier rating) operated during each hour, and total calculated emissions for each hour. Running total emissions shall be provided throughout the commissioning period. In each monthly compliance report, the project owner shall certify that the facility used either grid electricity, or natural gas fueled portable generators rather than diesel fueled portable generators to the maximum degree feasible.

AQ-SC11 The total mass emissions of nitrogen oxides that are emitted by all engines combined during the commissioning period shall not exceed the District's offset threshold of 25 tpy (District Rule 1303).

Verification: In each monthly compliance report, the project owner shall provide a running total of emissions for all engines. Compliance with this limit shall be based on a rolling 12-calendar month averaging period.

EQUIPMENT DESCRIPTION:

Two ~~72~~-cell cooling towers with drift eliminator rate of 0.0005% and water circulation rate of ~~94,6233,450~~ gpm.

AQ-20 The drift rate shall not exceed 0.0005 percent with a maximum circulation rate of ~~94,6233,450~~ gallons per minute. The maximum hourly PM10 emission rate shall not exceed ~~2.360.043~~ pounds per hour, as calculated per the written District-approved protocol.

Verification: 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. As part of the Annual Compliance Report the project owner shall include information on operating emission rates to demonstrate compliance with this condition.

~~**AQ-23** This equipment shall not be operated for more than 3,200 hours per rolling twelve-month period and more than 15 hours per calendar day.~~

~~**Verification:** The project owner shall submit to the CPM the cooling tower operating data demonstrating compliance with this condition as part of the Annual Operation Report.~~

EQUIPMENT DESCRIPTIONS:

Two, ~~4,344~~1,474 HP diesel fueled emergency generator engines, each driving a generator.

~~Two~~One, ~~345~~327 HP diesel fueled emergency fire pump engines, each driving a fire suppression water pump.

AMERICAN BADGER AND DESERT KIT FOX IMPACT AVOIDANCE AND MINIMIZATION MEASURES MITIGATION AND MONITORING PLAN

BIO-17 The project owner shall develop and implement an American Badger and Desert Kit Fox Mitigation and Monitoring Plan (plan). The objective of the plan shall be to avoid direct impacts to the American badger and desert kit fox as a result of construction of the power plant and linear facilities, as well as during project operation and decommissioning of the Genesis Solar Energy Project. The draft plan submitted by the project owner shall provide the basis for the final plan, subject to review and comment by Bureau of Land Management (BLM) and revision and approval by the Compliance Project Manager (CPM), in consultation with California Department of Fish and Game (CDFG). The final plan shall include, but is not limited to, the following procedures and impact avoidance measures:

~~To avoid direct impacts to American Badgers and desert kit fox, preconstruction surveys shall be conducted for these species concurrent with the desert tortoise surveys. Surveys shall be conducted as described below:~~

1. **Complete pre-construction den surveys for any new construction activity.** Biological Monitors shall perform pre-construction surveys for badgers and kit fox dens in the Project area, including areas within ~~90~~ **100** feet of all Project facilities, utility corridors, and access roads. Surveys may be concurrent with desert tortoise surveys. If dens are detected, each den shall be classified as inactive **non-natal, inactive natal**, potentially active, or definitely active **non-natal, or active natal den**.
 - a. **Inactive non-natal and inactive natal dens.** Inactive **non-natal and inactive natal** dens that would be directly impacted by construction activities shall be excavated by hand and backfilled to prevent reuse by badgers or kit fox.
 - b. **Potentially active and definitely active non-natal dens.** Potentially and definitely active **non-natal** 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, and especially if high or low ambient temperatures could potentially result in harm to kit fox or badger from burrow exclusion, various passive hazing methods may be used to discourage occupants from continued use. A detailed description of the types and methods of passive hazing to be used must be included in the plan; however, approval must be granted by the CPM, in consultation with CDFG prior to implementation. After verification that the den is unoccupied, it shall then be excavated by hand and backfilled to ensure that, no badgers or kit fox are trapped in the den.

- c. Active natal dens. During denning season (American badger – March to August, and desert kit fox – February to June), any active natal dens that are detected in the pre-construction surveys shall have a buffer zone of 300 feet, pending approval from the CPM, in consultation with CDFG, to 500 feet surrounding the den and monitoring measures shall be implemented. Discovery of an active natal den that could be impacted by the project shall be reported to the CPM and CDFG within 24-hours of the discovery. A detailed description outlining the types and methods of monitoring must be included in the plan. The den location shall be mapped and submitted along with a report stating the survey results to the CPM and CDFG. The Designated Biologist shall monitor the natal den until he or she determines that the pups have dispersed. No disturbance will be allowed for any animal associated with a natal den and any activities that might disturb denning activities shall be prohibited within the buffer zone. Once the pups have dispersed, various passive hazing methods may be used to discourage den reuse. A detailed description of the types of passive hazing to be used must be included in the plan; however, approval must be granted by the CPM, in consultation with CDFG prior to implementation. After verification that the den is unoccupied, it shall then be excavated by hand and backfilled to ensure that, no badgers or kit fox are trapped in the den.
- d. Exception for American badger. In the event that passive relocation techniques fail for badgers, the Applicant **project owner** will contact the CPM and CDFG to explore other relocation options

Additional protection measures to be included in the plan and implemented. The Designated Biologist shall make certain that all pipes within the project disturbance area must be capped and/or covered every evening or when not in use to prevent desert kit fox or other animals from accessing any pipes. All water sources shall be covered when not in use to prevent drowning.

2. Notify the CPM and CDFG if injured, sick, or dead American badger and desert kit fox are found. If an injured, sick, or dead animal is detected on any area associated with the Genesis project site or

associated linear facilities, the CPM and the Ontario CDFG Office shall be notified immediately by phone. Written follow-up notification via FAX or electronic communication shall be submitted to the CPM and CDFG within 24 hours of the incident and shall include the following information as appropriate:

- a. Injured animals. If an American badger or desert kit fox is injured because of any project-related activities, the Designated Biologist or approved Biological Monitor shall immediately notify the CPM and CDFG personnel regarding the capture and transport of the animal to CDFG-approved wildlife rehabilitation and/or veterinarian clinic. Following the phone notification, the CPM and CDFG shall determine the final disposition of the injured animal, if it recovers. A written notification of the incident shall be sent to the CPM and CDFG containing, at a minimum, the date, time, location, and circumstances of the incident.
- b. Sick animals. If an American badger or desert kit fox is found sick and incapacitated on any area associated with the Genesis project site or associated linear facilities, the Designated Biologist or approved Biological Monitor shall immediately notify the CPM and CDFG personnel for immediate capture and transport of the animal to a CDFG-approved wildlife rehabilitation and/or veterinarian clinic. Following the phone notification, the CPM and CDFG shall determine the final disposition of the sick animal, if it recovers. If the animal dies, a necropsy shall be performed by a CDFG-approved facility to determine the cause of death. The project owner shall pay to have the animal transported and a necropsy performed. A written notification of the incident shall be sent to the CPM and CDFG and contain, at a minimum, the date, time, location, and circumstances of the incident.
- c. Fatalities. If an American badger or desert kit fox is killed because of any project-related activities during construction, operation, decommission or is found dead on the project site or along associated linear facilities, the Designated Biologist or approved Biological Monitor shall immediately refrigerate the carcass and notify the CPM and CDFG personnel within 24 hours of the discovery to receive further instructions on the handling of the animal. If the animal is suspected of dying of unknown causes, a necropsy shall be performed by a CDFG-approved facility to determine the cause of death. The project owner shall pay to have the animal transported and a necropsy performed.

The California Department of Fish and Game Veterinarian's guidance regarding impact avoidance measures and what should be done to

prevent disease spread should be incorporated into the final plan and implemented.

The plan must also include measures to reduce traffic impacts to wildlife if the project owner anticipates night-time construction. The plan must also include a discussion of what information will be provided to all night-time workers, including truck drivers, to educate them about the threats to kit fox, what they need to do to avoid impacts to kit fox, and what to report if they see a live, injured, or dead kit fox.

Verification: No fewer than 30 days prior to the start of any construction-related ground disturbance activities associated with the new project related facilities, the project owner shall provide the CPM, BLM, and CDFG with a draft American Badger and Desert Kit Fox Mitigation and Monitoring Plan for review and comment.

No fewer than 10 days prior to start of any ground disturbance activities associated with the new project related facilities, the project owner shall provide an electronic copy of the CPM -approved final plan to the CPM and CDFG and implement the plan.

The Project owner shall submit a report to the CPM and CDFG within 30 days of completion of any badger and kit fox surveys. The report shall describe survey methods, results, impact avoidance and minimization measures implemented, and the results of those measures.

No later than 2 days following a phone notification of an injured, sick, or dead American badger or desert kit fox, the project owner shall provide to the CPM and CDFG, via FAX or electronic communication, a written report from the Designated Biologist describing the incident of sickness, injury, or death of an American badger or desert kit fox, when the incident occurred, and who else was notified.

Beginning with the first month after start of construction and continuing every month until construction is completed, the Designated Biologist shall include a summary of events regarding the American badger and desert kit fox in each Monthly Compliance Report.

No later than 45 days after initiation of project operation, the Designated Biologist shall provide the CPM a final American Badger and Desert Kit Fox Mitigation and Monitoring Plan that includes: 1) a discussion of all mitigation measures that were and currently are being implemented; 2) all information about project-related kit fox and badger injuries and/or deaths; 3) all information regarding sick kit fox and badger found within the project site and along related linear facilities; and 4) recommendations on how mitigation measures might be changed to more effectively minimize and mitigate the impacts of future projects on the American badger and desert kit fox.

IT IS SO ORDERED.

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of an Order duly and regularly adopted at a meeting of the California Energy Commission held on August 9, 2012.

AYE: Weisenmiller, McAllister, Peterman

NAY: None

ABSENT: Douglas

ABSTAIN: None

*Harriet Kallemeyn,
Secretariat*

Appendix H

CUL-09

CALIFORNIA ENERGY COMMISSION

1516 NINTH STREET
SACRAMENTO, CA 95814-5512
www.energy.ca.gov



August 22, 2012

Charlyn Mosley-Crump
Compliance Manager
Genesis Solar, LLC
P. O. Box 2370
Blythe, CA 92225

SUBJECT: GENESIS SOLAR ENERGY PROJECT (9-AFC-8C), NON-COMPLIANCE WITH CONDITION OF CERTIFICATION CUL-8

Dear Ms. Mosley-Crump:

This letter is to inform you that the California Energy Commission (Energy Commission) is in receipt of information that the Genesis Solar Energy Project (GSEP) is out of compliance with Condition of Certification **CUL-8** in the Cultural Resources section of the Energy Commission decision of September 29, 2010.

DESCRIPTION OF INCIDENT

On July 25, 2012, the Energy Commission's Compliance Project Manager (CPM) learned that, between the hours of 01:00 and 05:45 of the same morning, an on-site grading/excavation contractor began excavation on a 12-foot-wide x 17-foot-long x 9-foot-deep hole in native soil to accommodate the transformer foundation in Power Block 2. NextEra's contracted personnel responsible for scheduling Cultural Resources Monitors (CRMs) and Native American Monitors (NAMs) were not informed of the contractor's plan to excavate this hole until 05:00 that same day. Thus, the required monitors were not mobilized to observe the excavation until after it was well underway. When monitors arrived at 07:00, excavation then continued under their observation until the completion of the work. As the excavation work was being completed, monitors also evaluated the spoils excavated during the night, eventually determining that there was nothing of significance in the spoils.

CONDITION OF CERTIFICATION COMPLIANCE

Per Public Resources Code (PRC), Section 25532, the Energy Commission is required to assure that any facility certified under this division is operating in compliance with conditions adopted or established by the Energy Commission or specified in the written decision on the project's application for certification. In addition, California Code of Regulations, Title 20, Section 1770 states that the Energy Commission shall provide adequate monitoring of all conditions and measures, set forth in the final decision, required to mitigate potential impacts and to assure that the facility is operated in compliance with all applicable laws.

Regarding the requirement for archaeological monitoring, Condition of Certification **CUL-8** states:

Staff expects the Qoaf alluvium to be reached during grading across most of the site. The project owner shall ensure that the CRS, alternate CRS, or CRMs monitor full time all ground disturbance, if allowed by the BLM, until the CRS, alternate CRS, or CRMs certify that the sterile Qoaf alluvium has been reached. This will include ground disturbance at the project site, along the linear facilities routes, and at laydown areas, roads, and other ancillary areas, to ensure there are no impacts to undiscovered resources and to ensure that known resources are not impacted in an unanticipated manner.

Genesis Solar, LLC failed to have a CRM monitor the July 25, 2012 excavation of native soils in an area where the Qoaf Alluvium had not previously been reached resulting in a violation of this requirement of **CUL-8**.

Regarding the requirement for Native American monitoring, Condition of Certification **CUL-8** states in part:

The project owner shall obtain a Native American monitor to monitor ground disturbance if local Native American groups so request...Staff will either identify potential monitors or will allow ground disturbance to proceed without a Native American monitor.

On January 28, 2011, the Agua Caliente Band of Cahuilla Indians invoked the provisions of **CUL-8** by requesting that a Native American monitor all ground disturbance at the GSEP site. Since it was determined that excavation was subject to monitoring and there were no monitors present during the July 25, 2012 excavation, Genesis Solar, LLC's failure to have a NAM monitor the excavation of native soils is a violation of this requirement of **CUL-8**.

RESTORING THE GSEP TO COMPLIANCE

The project owner notified the Energy Commission's CPM of these compliance violations within 24 hours as required by the notification requirements of **CUL-8**. On August 2, 2012, the project owner's Project Compliance Manager submitted to the CPM an investigative report on the incident (see attached). This report identified several problems and outlined five steps being taken to prevent such an incident happening again.

To restore the GSEP to ongoing compliance with the cultural resources Conditions of Certification, Energy Commission staff requests, in addition to activities identified in the project owner's investigative report, that the project owner require the CRS to:

- 1) Review the report and provide any clarification or corrections

- 2) Review the steps being taken to determine if any additional corrective actions are needed to ensure the problem will not reoccur, and
- 3) Provide this report in the next Monthly Compliance Report (MCR) for the review of the CPM

Energy Commission staff will continue to work closely with the project owner to ensure conformance with all conditions of certification. However, the project owner should understand that it is ultimately the project owner's responsibility to ensure compliance with the Energy Commission's Conditions of Certification and that failure to prevent another such violation may result in formal Energy Commission action, including the assessment of penalties in accordance with the provisions of PRC Section 25534. Should Energy Commission staff file a complaint, you will be notified pursuant to the provisions of Section 1232, Title 20, California Code of Regulations (20 CCR) and have an opportunity to respond pursuant to the provisions of 20 CCR Sections 1233 and/or 1237.

If you have any questions, please call me at (916) 651-0587, or e-mail me at cmarxen@energy.ca.gov.

Sincerely,



CHRISTOPHER J. MARXEN
Compliance Office Manager
Siting, Transmission, and Environmental Protection
Division

cc: Docket Unit, California Energy Commission
Eric Knight, Manager, Energy Commission Environmental Office
Eric Veerkamp, Energy Commission Compliance Project Manager
for GSEP
Holly Roberts, Bureau of Land Management, Palm Springs Field
Office

Encl: Investigative Results letter from NextEra



11995 Wiley Wells Road
PO Box 2370
Blythe, CA 92225

August 2, 2012

Mr. Eric Veerkamp
Compliance Project Manager
1516 9th Street, MS 2000
Sacramento, CA. 95814

Subject: 09-AFC-8, Genesis Solar, LLC
Investigative results

Dear Mr. Veerkamp:

Pursuant to CEC Condition of Certification, CUL-8, the following are the results of the investigation regarding the event of July 24, 2012.

The Genesis Compliance Manager spoke with the monitors, the construction supervisor for Largo, the backhoe operator and the night foreman for Largo. On the night in question, the backhoe operator saw that monitors were on site. During the evening, when the tail gate was being performed the night supervisor went over the duties for the evening, including the digging, as one of the tasks for that night. The monitors were not at this tail gate, I was told that they perform their tail gates separately. The back hoe operator began digging in the power block sometime after the tail gate and after performing regular daily checks of the back hoe. This routine took approximately one and a half hours. The back hoe operator saw monitors in the area and presumed they were there to observe his work as well as the work on the caissons. This practice has been performed daily as well as nightly since night construction began in 2012. The Lead monitor assigns monitoring duties in the morning and for the evening crew, assigning double duties when necessary. There were monitors in the proximity of the dig however; they did not monitor the dig. They were observing the drilling of the caissons. It is not clear of the exact time of the dig however; it appears that the back hoe operator dug in this area of power block two from 1:30 until 5:30.

When the supervisor realized the work was being performed without a monitor, he stopped the work and requested a cultural monitor via the Lead cultural monitor. A

monitor was immediately sent to the work area, and the spoils from the dig were spread out in the area and monitored. There were no findings in the spoils.

To ameliorate future night work events Genesis Management performed a root cause analysis and determined the following will be implemented immediately.

- Night shift Genesis Project Foreman will be on site during night work until day shift construction management arrives on site to take the turnover.
- 3 Additional cultural monitors have been requisitioned to remain on nights until the night shift work is complete.
- Tail gate meetings will include the cultural monitors to ensure all work areas are covered with a cultural monitor.
- The Genesis Compliance team will rotate early morning/night shift coverage until the night work is complete.
- Work schedules for the following week is forecast and approved by each contract coordinator to ensure proper coverage.

The Genesis Project Construction Team has reinforced the condition and requirement for monitoring during all excavation activities including special emphasis with Largo to review and vet the lessons learned, as well as the corrective actions. A strict adherence to the schedule has been reiterated and the review of scheduling will be performed by the Genesis compliance team prior to the week in question. A “week look ahead” is performed on Wednesdays for the following week.

Should you have further questions regarding this report, please feel free to call me at 760-831-2651.

Sincerely,

Charlyn M. Mosley-Crump

Charlyn Mosley-Crump
Project Compliance Manager

Enclosures:

Cc: file
Mosley

Genesis Solar Energy Project

**Monthly Report for BIO-19:
August 2012**

Prepared by:

**Alice E. Karl, Ph.D.
P.O. Box 74006
Davis, CA 95617
heliophile@mindspring.com**

Prepared for:

**Genesis Solar, LLC
700 Universe Blvd.
Juno Beach, FL 33408**

August 25, 2012

**GENESIS SOLAR ENERGY PROJECT
MONTHLY COMPLIANCE REPORT FOR BIO-19: AUGUST 2012**

INTRODUCTION

The Genesis Solar Energy Project (GSEP or Project) began construction in January 2011. Condition of Certification (COC) BIO-19 from the Project license¹ requires monthly compliance reports to describe the implementation of special-status plant impact avoidance and minimization measures. At GSEP, special-status plants are restricted to Environmentally Sensitive Areas (ESAs), which were provisionally established in 2010 around the solar site and along both sides of the access road². Per BIO-19, the Designated Botanist conducts weekly monitoring of the ESAs during construction and decommissioning activities.

SUMMARY OF WORK COMPLETED IN AUGUST 2012

No work on the access road occurred during August 2012. The only work that encroached on the ESAs was around the plant site, where damage to the fence and debris clean-up was necessary following extensive flooding from the July 31 rain. According to the Designated Biologist (Eric German, 3 August e-mail to Alice Karl):

“There was authorized encroachment into ESAs directly adjacent to the plant site.

To repair the fence damage a 12’ buffer (9’ beyond the plant site ROW) was granted by the BLM along the perimeter. Some of the ESAs stakes were within this buffer. There was activity that crossed the stakes but did not exceed the buffer.

The plant site egress, located at the south east corner of Unit 2, was blocked by flooding. There was an attempt to construct an alternate egress that went outside of plant site, approximately 100’ x 20’. This emergency egress attempt was created after consultation with BLM.

There was also a clean up crew that picked up debris downstream of the plant site.”

The entrance to the plant site was at ESA 20, and there is an approximately 15 by 40 meter area that was disturbed to adjust the site entrance. The flooding itself created

¹ California Energy Commission (CEC). 2010. Commission decision on the Genesis Solar Energy Project. Docket No.09-AFC-8. 710 pp.

² Karl, A. 2011. Genesis Solar Energy Project summary report for botanical measures and issues associated with pre-construction and construction through May 2011. Prepared for Genesis Solar LLC. 15 pp.

unusually intense overland flow in an approximately 100 by 200 meter in this area, which also affected ESA 20.

The ESAs are provisional at this point. They were based on habitat for both spring and fall special-status plants, as well as on known populations of spring-blooming special-status plants. During springs and autumns with good germination, ESAs will be verified and either eliminated or perpetuated. Until now, due to lack of rain, spring blooms have been minimal (with none in 2011) and there has been no germination of summer/fall plants. The heavy storm on July 31, followed by several lighter storms resulted in excellent fall germination. Fall plant surveys are currently in progress.