

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

Genesis Solar, LLC

**Monthly Compliance Report #25
November 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 November, 2012.

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

- Continued New Employee site specific Safety Training and Worker's Environmental Awareness Training.
- Retention area riprap and final grade installations were completed.
- Installation of Demin Tanks in Unit 1 and Unit 2 continued.
- Rough grading for evaporation ponds has been completed.
- Continued installation of the wind fence fence in Unit 1 and Unit 2.
- Work continues on the Feed Water Structures.
- Evaporation Pond liner installation commenced.
- Excavation, installation and testing of all underground pipe continues.

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
11/28/12	CEC	COM-06	October MCR

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 (AQCMM) has been assigned to this project. As per AQ-SC2 an Air Quality Construction Mitigation Plan (AQCMP) has been submitted and approved by the California Energy Commission (CEC).

AQ-SC1: Air Quality Construction Mitigation Manager

Requirement: AQ-SC1 (AQCMM): 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 AQCMM is unavailable.

No new applications were submitted in November 2012.

AQ-SC3: Construction Fugitive Dust Control; AQCMM 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 AQCMM and as per the AQCMP 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 November, 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. 45 mph is posted during the day and 35 mph posted for the night hours. The times are based upon the published civil twilight 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 November.

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 November, are provided in Appendix A. The equipment complies with the California Tier III 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 November 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.

No rain events have resulted in flow of any channel during the month of November. Erosion control devices (silt fence, straw wattles, etc) are stock piled on site and will be installed as needed

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

Requirement: Submit the past Month of training records.

During November, the total number of personnel who received the Construction Worker Environmental Awareness Training was 112. The number of personnel who have received the training to date is 2787. 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.

No NCR's issued in the month of November.

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.

Repair and completion of all channels continue.

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.

No oversized/weight permits were received for the month of November.

See Appendix G

TRANS-3: Public ROW Encroachment

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

CalTrans reviewing the final comments and drawings. Approval still pending.

TRANS-4: Hazmat Transport Permits/Licenses

Requirement: Report hazardous material transport permits received.

Earliest delivery anticipated spring 2013

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 was 1 first aid in the month of November.

The details are included in the Safety Summary which can be found under Appendix F

AED/CPR first aid training lists are included 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 \$ \$319,188.31 was paid to the CBO, during the month of November.

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

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

No Inspectors were approved in the month of November.

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).

None received in the month of November.

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 November.

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.

See Appendix D

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.

See Appendix D

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

No Amendments submitted/approved for the month of November.

Compliance Matrix

COC	Title	Description	Begin Working on this item	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
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 Approved 11/2012	Yes, email from E. Veerkamp and in files.	Jessica Auch Craig Arneson will replace Jessica. November 2012.	
AQ-SC1	Air Quality Construction Mitigation Manager (AQCMM) - staff assignment	AQCMM remain onsite to monitor construction activities		ECM	Ongoing						Craig Arneson	
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	\\sgnsa01\Everyone\Plant\Environmental\Genesis Solar2.0 General\CEC\Plans (Subcategory #.4)\Compliance Plans\Air		
AQ-SC3	Construction Fugitive Dust Control; AQCMM monthly reporting -	AQCMM to submit compliance documentation to the CPM in each Monthly Compliance Report.		ECM	Monthly							
AQ-SC3	Construction Fugitive Dust Control; AQCMM monthly reporting -	Implement Dust Control BMPs		ECM	As needed		17-Jan-11			\\sgnsa01\Everyone\Plant\Environmental\Genesis Solar2.0 General\CEC\Plans (Subcategory #.4)\Compliance Plans\Air		
AQ-SC3	Construction Fugitive Dust Control; AQCMM monthly reporting -	Stabilize all disturbed areas after construction activities.	10 days before construction completion	ECM	Construction Completion		1-Jul-14					
AQ-SC4	Dust Plume Response Requirement	Implement Dust Plume Response Requirement		ECM	As needed		17-Jan-11					
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	Equipment list is updated monthly by the ECM and submitted in the MCR to the CEC			
AQ-SC4	Dust Plume Response Requirement	Monitor all construction activities for visible dust plumes. If plumes observed, implement mitigation as specified.		ECM	Ongoing							
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.	
AQ-SC5	Diesel engine emissions - monitoring and reporting	Submit compliance documentation in Monthly Compliance Report.		ECM	Monthly		Monthly	Ongoing	Equipment list is updated monthly by the ECM and submitted in the MCR to the CEC			
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				
AQ-SC6	Fleet Plan for operations vehicles	Update Fleet Plan every other year. Submit the Fleet Plan with Annual Report.	Start immediately after SU	Operations	Bi-Annually		Annual	1-Nov-14			What is the anniversary date?	
AQ-SC6	Fleet Plan for operations vehicles	Submit to the CPM a Fleet Plan for vehicles dedicated to mirror washing and maintenance activities.	Begin 45 days before end of construction	NEE	> 30d pt operation		31-Mar-13				To meet California On road emission standards	
AQ-SC7	Dust Control Plan - Construction	Submit Operations Dust Control Plan.	Begin work on this item 60 days PT operation	Operations	> 30d pt operation		31-Mar-13					
AQ-SC7	Dust Control Plan - Operations	Implement all requirements of the Operations Dust Control Plan	Immediately after SU	Operations	Ongoing		Aug					
AQ-SC7	Dust Control Plan - Operations	Submit report identifying locations of all speed limit signs, and a copy of the training manual.	Start immediately after SU	Operations	< 60d after start of operation	11/1/2012	1-Aug-13	Completed.				
AQ-SC8	Air permit submittals	Submit all modified or revised ATC/PTO documents and all federal air permits.		Fluor	< 15d of receipt					Aug-12	Jenny Field sent the last renewal, changed address to site address.	

COC	Title	Description	Begin Working on this item	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
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		Complete, ATC in hand.	12-Dec-10	Approved 1/17/11			
AQ-1	Equipment Operation, Application Requirements - NG boilers	Operate NG boilers in compliance with all data and specifications submitted with application.	Get manuals from manufacturer	Fluor	Ongoing							
AQ-2	Equipment fuel Use, Manufacturer Specifications - NG boilers	Fuel equipment only with NG. Operate and maintain in accordance with manufacturer recommendations.	Get manuals from manufacturer	Operations	Ongoing							
AQ-3	Emissions limits, reporting - NG boilers	Emissions shall not exceed the following hourly emission limits (see full text)	Immediately after SU	Operations	Ongoing							
AQ-3	Emissions limits, reporting - NG boilers	Submit emissions compliance documentation in Annual Compliance Report.	Jan. 2014, unit 2	Operations	Annually							
AQ-4	Maintenance and Operations Log - NG boilers	Maintain an operations log on-site and current for a minimum of five (5) years.	Immediately after SU	Operations	Ongoing, 5 yrs							
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							
AQ-6	Initial MDAQMD Compliance Test - NG boilers	Submit test results within 180 days of initial start up.	Retrieve test results of SU	Operations	< 180d after initial start up		28-Oct-13					
AQ-6	Initial MDAQMD Compliance Test - NG boilers	Notify agencies within fifteen working days before the initial MDAQMD compliance test.	15 days prior to testing	Operations	< 15d prior to test							
AQ-7	Annual MDAQMD Compliance Test - NG boilers	Perform annual MDAQMD compliance tests.	After commissioning	Operations	Annually							
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.	Send report 60 days prior to expiration	Operations	< 6w pt expiration of permit		1-Oct-12					
AQ-8		See AQ-9										
AQ-9	HTF Ullage/Exp. Tanks - HTF storage	Ullage tanks - This system shall store only HTF.		Operations	Ongoing							
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.	Begin logs upon commissioning of unit.	Operations	Weekly		1-May-13					
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]	Upon commissioning	Operations	Upon commissioning							
AQ-10	HTF Ullage/Exp. Tanks - Carbon absorbtion system	Submit compliance documentation in Annual Compliance Report.	Begin submissions upon commissioning.	Operations	Annually		1-May-13					
AQ-10	HTF Ullage/Exp. Tanks - Carbon absorbtion system	Submit a yearly summary report of all VOC emissions.	Begin submissions upon commissioning.	Operations	Jan-31 Annually		1-May-13					
AQ-10	HTF Ullage/Exp. Tanks - Carbon absorbtion system	Submit a monitoring and change-out plan for the system.	6/2012 submitted	Fluor	pt initial start up	6/2012 submitted	1-Aug-12				Sener specs, Matt McCord	
AQ-10	HTF Ullage/Exp. Tanks - Carbon absorbtion system	Submit initial test results within 180 days after startup.	< 180d after initial start up	Fluor	< 180d after initial start up		28-Oct-13					
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					
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					
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					
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					
AQ-12	HTF Ullage/Exp. Tanks- Inspection, Maintenance and Monitoring Plan	Submit volume of HTF removed and added in Annual Report.	Include in annual report	Operations	Annually							
AQ-13	HTF Ullage/Exp. Tanks - Compliance Testing Plan and Reporting	Submit a report of test results to the District.	Ask Matt if tests have been scheduled	Fluor	< 45d after test							

COC	Title	Description	Begin Working on this item	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
AQ-13	HTF Ullage/Exp. Tanks - Compliance Testing Plan and Reporting	Notify District prior to testing.	10 days prior to tests	Fluor	10d prior to test							
AQ-13	HTF Ullage/Exp. Tanks - Compliance Testing Plan and Reporting	Provide a written test plan for District review and approval.	Test protocol 30-45 days prior to tests	Fluor	30d prior to test							
AQ-13	HTF Ullage/Exp. Tanks - Compliance Testing Plan and Reporting	Submit to the District a compliance test protocol.	Test protocol 60 days prior to tests	Operations	< 60d after initial start up		29-Jun-13					
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.	180 days after SU	Operations	< 180d after initial start up		28-Oct-13					
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							
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							
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							
AQ-15	HTF Ullage/Exp. Tanks - Annual MDAQMD Compliance Testing and Reporting	Retain all annual test records for 5 yrs.		Operations	Ongoing, 5 yrs							
AQ-16	HTF Ullage/Exp. Tanks - Emission rate caps	Include Ullage/tank emission rate caps compliance documentation in Annual Report.	Begin directly after SU	Operations	Annually							
AQ-16	HTF Ullage/Exp. Tanks - Emission rate caps	Maintain emission rates below specified volumes.	daily	Operations	Ongoing							
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							
AQ-18	Equipment Operation, Application Requirements - Cooling Towers	Operate cooling towers in compliance with all data and specifications submitted in application.		Operations	Ongoing							
AQ-19	Equipment Operation Manufacturer Specifications - Cooling Towers	Operate cooling towers in compliance with all manufacturer specifications.		Operations	Ongoing							
AQ-20	Drift Eliminator Monitoring and Reporting - Cooling Towers	Comply with drift rate emissions cap (see full text).		Operations	Ongoing							
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					
AQ-20	Drift Eliminator Monitoring and Reporting - Cooling Towers	Submit compliance documentation on operating emission rates with Annual Report.		Operations	Annually							
AQ-22	Water Testing Protocol - Cooling Tower	Submit a test and emissions calculation protocol.		Fluor	> 30d pt testing							
AQ-23	Operating Time Restrictions - Cooling Towers	Submit compliance documentation with Annual Report.		Operations	Annually	Prior to commissioning						
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						
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						
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							
AQ-25	Drift Eliminator Maintenance Procedures	Make available compliance documentation for inspection by representatives of the District, ARB, and the Energy Commission		Operations	Ongoing							
AQ-26	Equipment Operation Manufacturer Specifications - 341HP generators	Operate generators in compliance with all manufacturer specifications.		Operations	Ongoing							
AQ-27	Fuel Restrictions - 341 HP generators	Use only ultra-low sulfur diesel fuel. Retain fuel purchase records.		Operations	Ongoing							

COC	Title	Description	Begin Working on this item	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
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							
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							
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							
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							
AQ-30	Operations and Maintenance log - 341 HP generators	Submit compliance documentation in Annual Report.		Operations	Annually							
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							
AQ-31	Voluntary Power Outage Use - 341 HP generators	Do not use generators during a voluntary power outage or reduction.		Operations	Ongoing							
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							
AQ-33	ATCM Compliance - 341 HP generators	Operate and maintain equipment in accordance with ATCM for Stationary Compression Ignition Engines.		Operations	Ongoing							
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)	
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							
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							
AQ-36	Fuel Restrictions - 315 HP fire pump engines	Use only ultra-low sulfur diesel fuel for equipment.		Operations	Ongoing							
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							
AQ-38	Operating time restrictions - 315 HP fire pump engines	Limit use for emergency power. Operate < 50hrs/yr for testing.		Operations	Ongoing							
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					
AQ-39	Operations and Maintenance log - 315 HP fire pump engines	Submit compliance documentation in Annual Report.		Operations	Annually							
AQ-40	ATCM Compliance - 315 HP fire pump engines	Operate and maintain equipment in accordance with ATCM for Stationary Compression Ignition Engines.		Operations	Ongoing							
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							
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)	
AQ-42	Gas tank and pump - toll free number	Post the required toll-free number on the equipment.		Fluor / Operations	Ongoing							
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					

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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							
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							
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					
AQ-46	Gas tank and pump - initial and annual testing	Submit results of pressure checks.		Operations	< 30d after test							
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							
AQ-46	Gas tank and pump - initial and annual testing	Make test results available to CPM upon request.		Operations	Ongoing							
AQ-46	Gas tank and pump - initial and annual testing	Notify District pt testing. (initial and annual)		Fluor	> 10d prior to test							
AQ-46	Gas tank and pump - initial and annual testing	Submit passing test reports to District.		Operations	< 6w pt expiration of permit							
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							
AQ-48	Gas tank and pumps - certified technician	Maintenance and repair of system components shall be performed by OPW Certified Technicians.		Operations	Ongoing							
AQ-49	Gas tank and pumps - maintenance intervals	Maintenance Intervals shall be conducted by an OPW trained technician annually.		Operations	Annually							
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							
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			
BIO-2	Designated Biologist - responsibilities	Include documentation of biological resource compliance in the Monthly Compliance Reports.		AECom/Thomas	Monthly		Monthly					
BIO-2	Designated Biologist - responsibilities	Des Bio to submit bio compliance documentation through operations, unless approved by the CPM.		AECom/Eric	Annually							
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/Eric			n/a	n/a	n/a			
BIO-2	Designated Biologist - responsibilities	Submit BRMIMP compliance summary reports in Annual Compliance Report.		AECom/Eric	Ongoing							
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/Eric	Ongoing							
BIO-3	Biological Monitors - Staff assignment	Assign Bio Monitors and submit training verification		AECom/Eric	> 30d pt gd		17-Dec-10	10-Dec-10	Approved (various dates)			
BIO-3	Biological Monitors - Staff assignment	Submit information on additional bio monitors, if needed		AECom/Eric	> 10d pt monitoring activity							
BIO-4	Biological Monitors - responsibilities	Employ a Bio Mon during operations if any action could affect a sensitive bio resource.		AECom/Eric	Ongoing							
BIO-4	Biological Monitors - responsibilities	Assist with surveys and in monitoring of site mobilization activities.		AECom/Eric	pt construction		Ongoing					

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BIO-4	Biological Monitors - responsibilities	Include BIO-4 compliance documentation in Monthly Compliance Report.		AECom/Eric	Monthly		Monthly					
BIO-4	Biological Monitors - responsibilities	Bio Mons assist DB with surveys and monitoring disturbance activities.		AECom/Eric	Ongoing							
BIO-5	Designated Biologist and Biological Monitor Authority	Des Bio to notify agencies if there a stop work order.		AECom/Eric	Ongoing							
BIO-6	Worker Environmental Awareness Program (WEAP)	Prepare and Submit WEAP (including trainer resume)		AECom/Eric	> 30d pt gd		17-Dec-10	3-Dec-10	Comments received 12/08/10			
BIO-6	Worker Environmental Awareness Program (WEAP)	Conduct training annually for perm. Employees and within one week of arrival for new staff.		Operations	Annually							
BIO-6	Worker Environmental Awareness Program (WEAP)	Submit training records in the Monthly Compliance Report.		Flour	Monthly							
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							
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			
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					
BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Submit the revised or supplemented BRMIMP.		Tetra Tech	< 10d of receipt of adtl permits	Complete						
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			
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			
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					
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							
BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Include BIO-7 compliance documentation in Monthly Compliance Report.		ECM	Monthly							
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			
BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Submit to the CPM a Construction Termination Report.		Flour	< 30d after construction completion	Complete	30-Jul-14					
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			
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						
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.	
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							
BIO-8	Impact Avoidance and Minimization Measures	Use non-toxic soil bonding and weighting agents on unpaved surfaces.		Genesis Project management/ECM	Ongoing							
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			
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			

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BIO-8	Impact Avoidance and Minimization Measures	Include BIO-8 compliance documentation in Annual Compliance Report.		ECM	Annually							
BIO-8	Impact Avoidance and Minimization Measures	Include BIO-8 compliance documentation in Monthly Compliance Report.		ECM	monthly		Monthly					
BIO-8	Impact Avoidance and Minimization Measures	Design facility lighting to prevent side casting of light towards wildlife habitat.	Design completed	Fluor		Ongoing						
BIO-8	Impact Avoidance and Minimization Measures			ECM/Project Management	Ongoing							
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							
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							
BIO-8	Impact Avoidance and Minimization Measures	Des. Bio must be onsite during disturbance-activities in un-fenced areas.		Designated Biologist	Ongoing							
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							
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							
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							
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							
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							
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							
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							
BIO-8	Impact Avoidance and Minimization Measures	Workers must not feed wildlife or bring pets to the Project site.		Designated Biologist/ECM	Ongoing							
BIO-8	Impact Avoidance and Minimization Measures	No firearms or weapons onsite.		ECM through WEAP training	Ongoing							
BIO-8	Impact Avoidance and Minimization Measures	Stabilize all disturbed soils and roads (const and oper).		ECM/Project Management/Designated Biologist	Ongoing							
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							
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							
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								
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								

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BIO-8	Impact Avoidance and Minimization Measures	Designated Biologist must monitor ground disturbing activities prior to pre-construction site mobilization.	Complete. Construction has started	Designated Biologist	pt site mobilization	complete	16-Jan-11	completed				
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.	Complete. Construction has started	Project management	< 24hrs pt fence construction	In progress						
BIO-9	Desert Tortoise Clearance Surveys and Fencing	Submit DT survey reports. Ph I	Complete. Construction has started	AE Com	< 30d after survey complete	Complete	17-Feb-11	2/25/2011 3/28/11	Comments received 3/14/11			
BIO-9	Desert Tortoise Clearance Surveys and Fencing	Submit DT survey reports. P II	Complete. Construction has started	AE Com	< 30d after survey complete	Complete	15-May-11					
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							
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							
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					
BIO-9	Desert Tortoise Clearance Surveys and Fencing	Design security gates with minimal ground clearance to deter ingress by tortoises.		Project management								
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					
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			
BIO-10	Desert Tortoise Translocation Plan	Submit a Translocation Plan status report following translocation of a DT.		AE Com	< 30d after initiation of relocation	complete						
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			
BIO-11	Desert Tortoise Compliance Verification	Des Bio must be onsite daily during ground-disturbing construction activities located beyond permanent fencing.		Designated biologist	Ongoing							
BIO-11	Desert Tortoise Compliance Verification	Provide agencies with reasonable access to the Project site and compensation lands.		NextEra	Ongoing							
BIO-11	Desert Tortoise Compliance Verification	Submit a Final Listed Species Mitigation Report.		AE Com	< 45d after initial start up		14-Jun-13					
BIO-11	Desert Tortoise Compliance Verification	Des. Bio to conduct compliance inspections at least once per month after grading is completed.		AE Com	Monthly		Monthly					

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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.		AE Com	< 2d of discovery							
BIO-11	Desert Tortoise Compliance Verification	Des Bio - Notify the CPM > 14d pt construction ground disturbance. Ph I		AE Com	> 14d pt gd		2-Jan-11	3-Jan-11	NA			
BIO-11	Desert Tortoise Compliance Verification	Des Bio - Notify the CPM > 14d pt construction ground disturbance. Ph II		AE Com	> 14d pt gd		17-Apr-11					
BIO-11	Desert Tortoise Compliance Verification	Notify the CPM immediately of any NCR.		AE Com	upon discovery							
BIO-12	Desert Tortoise Compensatory Mitigation	Submit PAR analysis for compensation lands.		Tetra Tech	< 60d after CPM approval							
BIO-12	Desert Tortoise Compensatory Mitigation	Submit an Acquisition Proposal compensation lands.		Tetra Tech	< 12m after start of construction		12-Jan-12					
BIO-12	Desert Tortoise Compensatory Mitigation	Fund activities for Des Tort compensation. Submit verification of funding to CPM.		NextEra	< 60d CPM determining requirements							
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							
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		9-Jul-12					
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					
BIO-12	Desert Tortoise Compensatory Mitigation	If mitigation is not completed 30d pt gd, post security for funding.		NextEra	> 30d pt gd		1-Apr-11				look at tricia's table of approvals	
BIO-12	Desert Tortoise Compensatory Mitigation	Notify (written) CPM of gd activity commencement.		Tetra Tech	> 30d pt gd		17-Dec-10	3-Jan-10	NA			
BIO-12	Desert Tortoise Compensatory Mitigation	Notify (written) CPM of gd activity commencement. Phase II		Tetra Tech	> 30d pt gd		2-Apr-11					
BIO-12	Desert Tortoise Compensatory Mitigation	Submit a Preliminary Title Report, initial hazardous materials survey report, biological analysis for compensation land.		Tetra Tech								
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							
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			
BIO-12	Desert Tortoise Compensatory Mitigation	Alternative to compensation lands, contribute funds to the Renewable Energy Action Team (REAT).		Fluor			1-Nov-11	Complete	Complete			
BIO-12	Desert Tortoise Compensatory Mitigation	Submit a Management Plan for Compensation Lands.		Fluor	< 180d after acquisition		1-Nov-11	Complete	Complete			
BIO-13	Raven Management Plan	Submit a status report of the Raven Management Plan implementation.		Fluor	< 30d after start of operation		30-May-13	Complete	Complete	Raven Management Plan submitted		
BIO-13	Raven Management Plan	Submit final Raven Management Plan.		AE Com	> 30d pt construction		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			
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		7-Jan-11	23-Dec-10	NA			
BIO-13	Raven Management Plan	Include the status of the Raven Management Plan implementation in Jan 31 report during operations.		Fluor	Jan-31 Annually							
BIO-13	Raven Management Plan	Implement the approved Raven Management Plan.		Fluor	Ongoing							
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			

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BIO-14	Weed Management Plan	Submit a status report of Weed Management Plan implementation.		Alice Karl	< 30d after start of operation		30-May-13					
BIO-14	Weed Management Plan	Implement the Weed Management Plan.		Alice Karl	Ongoing							
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							
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							
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.		Eric Darden	until fledged		After Feb 1	24-Feb-11	Complete			
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		Eric	until fledged		After Feb 1	24-Feb-11	Complete			
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.		Eric	< 7d pt construction		1-Feb-11	24-Feb-11	Complete			
BIO-15	Pre-construction Nest Surveys and Avoidance Measures	Submit letter report of nest survey results.		Eric	pt gd		22-Apr-11	24-Feb-11	Complete			
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.		Eric	until fledged		22-Apr-11	24-Feb-11	Complete			
BIO-16	Avian Protection Plan.	Submit a final Avian Protection Plan.		Tetra Tech	> 30d pt construction-related gd		17-Dec-10	12/6/2010 1/4/11	Approved 1/12/11			
BIO-16	Avian Protection Plan.	Implement an Avian Protection Plan		Tetra Tech / Operations	Ongoing			Submitted Jan 2011.	Submitted Jan 2011.			
BIO-16	Avian Protection Plan.	Report project-related bird deaths or injuries to agencies.		Eric German	Ongoing							
BIO-16	Avian Protection Plan.	Continue quarterly and annual reporting on APP until agencies determine not necessary.		Nextera Energy	Ongoing, Quarterly and annually							
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					
BIO-16	Avian Protection Plan.	Submit quarterly monitoring reports of APP status. Follow up with an annual report (Jan 31).	Report of dead birds due to transmission lines or mirrors	Nextera Energy	Jan-31 Annually							
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			
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					
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				
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					
BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	Submit results of monitoring and management of compensation lands.	Pre construction	Tetra Tech	Jan-31 Annually for first 5yrs of operations				Complete			
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				Complete			
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	Construction management to determine official date.	9-Jul-12		Complete			
BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	Submit burrowing owl compliance documentation in monthly compliance report.		AECOM	Monthly				on going			

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BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	If an active owl burrow is detected: Submit acquisition proposal and a PAR analysis.	N/A	AECom	> 90d pt acquisition	Wetlands		Complete				
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			
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					
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	Complete	AECom	> 10d pt construction-related gd		6-Jan-11	NA				
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	Complete	AECom	> 10d pt construction-related gd		22-Apr-11					
BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	If an active owl burrow is detected: Provide land/mitigation compensation security verification.	Complete	AECom	> 30d pt construction-related gd		17-Dec-10	23-Dec-10	NA			
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					
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			
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			
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.		Alice Karl	< 24m after start of construction		5-Jan-13					
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					
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.	
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			
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								
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.	
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					
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	
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								
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							
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					
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							

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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				
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					
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					
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							
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					
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					
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							
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			
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			
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			
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				
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								
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.	30 days after completion of construction, report of all completed conditions.	Darden	Ongoing, this task is in the daily and weekly DB reports. Included in the monthly compliance reports.							
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							
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.							
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			
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				
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			
BIO-19-C	Section C: Special-Status Plant Impact Avoidance, Minimization and Compensation	Special-status plants: CNDDDB 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.	
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			

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BIO-20	Sand Dunes / Mojave Fringe-Toed Lizard Mitigation	Submit a MFTL Compensation Land Management Plan and associated funding.		Tetra Tech	< 180d after acquisition							
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					
BIO-20	Sand Dunes / Mojave Fringe-Toed Lizard Mitigation	Submit a formal acquisition proposal and PAR analysis.		Tetra Tech	> 90d pt acquisition							
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					
BIO-20	Sand Dunes / Mojave Fringe-Toed Lizard Mitigation	Provide funding for MFTL compensation lands OR deposit funds into NFWF's REAT Account.		NextEra								
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							
BIO-21	Evaporation Pond Netting and Monitoring	If no entanglements are detected after 12 months, continue to monitor quarterly.		Tetra Tech	quarterly		Quarterly					
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					
BIO-21	Evaporation Pond Netting and Monitoring	If after 12 quarterly inspections there are no entanglements, continue biannually (spring, fall).		Tetra Tech	biannually							
BIO-21	Evaporation Pond Netting and Monitoring	Submit annual reports no later than January 31 of each year.		Tetra Tech	Jan-31 Annually							
BIO-21	Evaporation Pond Netting and Monitoring	Netting cannot touch the water in evap ponds.		Operations	Ongoing							
BIO-21	Evaporation Pond Netting and Monitoring	Consult with agency regarding removal of injured wildlife in evap ponds.		Tetra Tech	Ongoing							
BIO-21	Evaporation Pond Netting and Monitoring	Install a visual deterrent in addition to the mesh cover.		Fluor								
BIO-21	Evaporation Pond Netting and Monitoring	Submit as-built drawings and photos of evap ponds		Fluor	> 30d pt operation		31-Mar-13					
BIO-21	Evaporation Pond Netting and Monitoring	Des Bio or Monitor must inspect netting monthly during operation.		Tetra Tech	monthly		Monthly					
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							
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							
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			
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					
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					
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					
BIO-22	Mitigation for Impacts to State Waters	Transfer fee title or submit a conservation easement for compensation lands.		Genesis ECM								
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			

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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							
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			
BIO-22	Mitigation for Impacts to State Waters	Submit a report of monitoring and management of compensation lands.		Operations	Jan-31 Annually							
BIO-22	Mitigation for Impacts to State Waters	Submit verification of acquisition.		Fluor	< 18m after start of construction		9-Jul-12					
BIO-22	Mitigation for Impacts to State Waters	Include a copy of the notifying change of conditions report in the annual reports.		Operations	Annually							
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							
BIO-22	Mitigation for Impacts to State Waters	Include a copy of the notifying change of conditions report in the annual reports.		Operations	Annually							
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			
BIO-23	Decommissioning and Closure Plan	Revise and submit Decommissioning and Closure Plan every 5yrs during operations.		Operations	every 5yrs							
BIO-23	Decommissioning and Closure Plan	Implement a final Decommissioning and Closure Plan.		Operations	Project closure							
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			
BIO-24	Revegetation of Temporarily Disturbed Areas	Submit status report of Reveg Plan yearly.		Tetra Tech	Jan-31 Annually							
BIO-24	Revegetation of Temporarily Disturbed Areas	Implement Revegetation Plan.		Fluor	Ongoing							
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			
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					
BIO-25		DELETED										
BIO-26		DELETED										
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			
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				
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				
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			
BIO-27	Couch's Spadefoot Toad Impact Avoidance and Minimization Measures	Implement a CST Protection and Mitigation Plan.		Tetra Tech	Ongoing							
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							
BIO-28	Golden Eagle Inventory and Monitoring	Survey for golden eagle annually during construction.		DB/Thomas	Annually							
BIO-28	Golden Eagle Inventory and Monitoring	Submit results of eagle inventory.		Tetra Tech	< 30d of survey completion		30-Jun-11					
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			
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			

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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			
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			
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			
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			
CUL-3	Cultural Resources Personnel	Submit resume of CRS replacement (if necessary).		AECom	10d pt CRS departure				N/A			
CUL-3	Cultural Resources Personnel	Obtain services of a specialist backhoe operator during excavation of CA-Riv-9072		AECom	NA		NA	NA	NA			
CUL-3	Cultural Resources Personnel	CRS to oversee all cultural resources mitigation, monitoring, curation, and reporting activities.		Jessica Auch	Ongoing							
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)			
CUL-3	Cultural Resources Personnel	Submit letter with names and quals of <i>additional</i> CR Monitors.		AECom	5d pt arrival on site		as needed	30-Mar-11				
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			
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			
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			
CUL-4	Project Documents for Cultural Resources Personnel	If phased construction schedule changes, submit notice of change.		Jessica Auch	< 5d of decision							
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				
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					
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			
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			
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					
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			
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			
CUL-5	Cultural Resources Monitoring and Mitigation Plan	+		Jessica Auch	> 30d pt gd		1-Mar-11	3/1/2011 4/4/11				
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							
CUL-6	Cultural Resources Report	Submit documentation of CRR distribution to parties.		Jessica Auch	< 10d of CRR approval							
CUL-6	Cultural Resources Report	Submit the final CRR.		Jessica Auch	< 180d after completion of gd		28-Dec-14					

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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			
CUL-7	Worker Environmental Awareness Program	CRS to submit WEAP training acknowledgement form.		Jessica Auch	> 15d pt gd		1-Jan-11					
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					
CUL-7	Worker Environmental Awareness Program	Conduct WEAP training for all new workers prior to and during gd (including landscaping)		Jessica Auch	Ongoing							
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							
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				
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				
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			
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							
CUL-8	Construction Monitoring Program	Notify CPM of NCRs w/in 24 hrs, recommend corrective action.		Jessica Auch	< 24hr of discovery							
CUL-8	Construction Monitoring Program	Include report of any NCRs in monthly compliance report.		Jessica Auch	Monthly							
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			
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			
CUL-8	Construction Monitoring Program	Submit documentation of transmittals to Native American representatives following discovery of cultural material.		Jessica Auch	< 30d upon discovery							
CUL-8	Construction Monitoring Program	Submit "discovery" responses from tribes.		Jessica Auch	< 15d of receipt							
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			
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				
CUL-10	WEAP - Cultural Considerations	Implement CRMMP when within 30meters of these sites		Jessica Auch	Ongoing							
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			
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			
CUL-10	WEAP - Cultural Considerations	Notify CPM when data recovery is complete.		Jessica Auch	< 1w of data recovery completion			1-Feb-11				
CUL-10	WEAP - Cultural Considerations	Notify CPM when data recovery is complete. Phase II		Jessica Auch	< 1w of data recovery completion		30-Mar-11					
CUL-11	Data Recovery for Large sites	Submit letter report of data recovery.		Jessica Auch	< 1w of data recovery completion							
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					

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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							
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			
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					
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			
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								
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					
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					
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					
CUL-14		DELETED		Jessica Auch								
CUL-15				Jessica Auch								
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.	
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			
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					
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.	
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			
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			
CUL-17	Historic Period Site Mapping and In-Field Artifact Analysis	Implement CRMMP within 30 meters of these sites.		Jessica Auch	Ongoing							
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				
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			
CUL-18	Compliance with BLN Programmatic Agreement	Comply with BLM Programmatic Agreement.		Jessica Auch	Ongoing							
HAZ-1	Hazardous Materials list of approved substances	Do not use hazmats not listed, or in quantities listed in App A.	Completed and submitted to CPM on Sept 6, 2012	Fluor / Operations	Ongoing			6-Sep-12	Approved Sept 7, 2012	Y		
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							
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	
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	

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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	
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	
HAZ-3	Safety Management Plan for Hazardous Material	Implement Safety Management Plan.		Fluor / Operations	Ongoing							
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					
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			
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							
HAZ-6	Operations Site Security Plan	Submit a Operations Site Security Plan.		Fluor	> 30d pt receipt of hazmat		13-Jan-13					
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							
Public Health-1	Cooling Water Management Plan	Submit a Cooling Water Management Plan.		Fluor	> 60d pt cooling tower operation							
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				
NOISE-1	Resident Notification- Pre-construction	Maintain telephone number for noise complaints until facility is operational for one year.		Fluor / Operations	1yr							
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.	
NOISE-1	Resident Notification- Pre-construction	Submit statement and documentation of compliance to CPM.		Fluor	pt gd		16-Jan-11	14-Jan-11				
NOISE-2	Noise Complaint Process	Document, investigate, evaluate, and attempt to resolve all project-related noise complaints.		Fluor / Operations	Ongoing							
NOISE-2	Noise Complaint Process	Contact individual making complaint.		Fluor / Operations	< 24hr of receipt							
NOISE-2	Noise Complaint Process	Submit the Noise Complaint Resolution Form.		Fluor / Operations	< 5d of receipt							
NOISE-3	Noise Control Program	Make the Program available to OSHA upon request.		Fluor / Operations	Ongoing							
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			
NOISE-4	Occupational Noise Survey	Conduct an occupational noise survey.		Operations	following first sustained output of 90%							
NOISE-4	Occupational Noise Survey	Make the report available to OSHA and Cal/OSHA upon request.		Operations	Ongoing							
NOISE-4	Occupational Noise Survey	Submit report of survey findings.		Operations	< 30d after test							
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				
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			
Soil & Water-1	Drainage Erosion and Sedimentation Control Plan	Submit compliance documentation in the Monthly Compliance Report.		Fluor	Monthly							
Soil & Water-1	Drainage Erosion and Sedimentation Control Plan	Submit results of monitoring and maintenance activities in Annual Compliance Report.		Fluor / Operations	Annually							
Soil & Water-1	Drainage Erosion and Sedimentation Control Plan	Update and maintain the DESC for the life of the Project.		Fluor / Operations	Ongoing							
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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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							
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					
Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Submit documentation of monetary compensation to well owners.		NextEra	< 30d of payment							
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							
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							
Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Submit a 5 year monitoring report.		Operations	5ys after start of operation							
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				
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							
Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	If required, compensate landowners by March 31.		NextEra	Mar-31 Annually							
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							
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							
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					
Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Submit monitoring reports, complaints, studies and data.		Worley Parsons / Operations	< 10d of receipt							
Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Monitor wells, seeps and springs to establish preconstruction conditions.		Worley Parsons			17-Dec-10	completed				
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					
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							
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			
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							
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							
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							
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							
Soil & Water-3	Groundwater Well Impact Compensation	Submit a report of compensation provided for increased energy costs.		NextEra	< 30d of payment							

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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							
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					
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					
Soil & Water-4	Project GW Wells, Pre-Well Installation	Submit two copies of any proposed well permit changes.		Fluor	< 10d of submittal or receipt							
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					
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				
Soil & Water-5	Construction and Operation Water Use	Submit a semi-annual report of construction water use.		Fluor	semi-annually		30-Jun-11					
Soil & Water-5	Construction and Operation Water Use	Submit an annual report of water usage (g/month and total).		Fluor / Operations	Annually							
Soil & Water-5	Construction and Operation Water Use	GW use during construction must not exceed an annual average of 1,368 afy.		Fluor	Ongoing							
Soil & Water-5	Construction and Operation Water Use	GW use during operations must not exceed 202 afy		Operations	Ongoing							
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				
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					
Soil & Water-6	Waste Discharge Requirements	Submit annual waste discharge permit fee associated with this facility to the Water Boards		Worley Parsons								
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							
Soil & Water-6	Waste Discharge Requirements	Submit all monitoring reports required by the WDRs and details of any nonconformance.		Worley Parsons	Ongoing							
Soil & Water-7	Septic System and Leach Field Reqs	Comply with County and State reqs for sanitary waste disposal facilities.		Operations	Ongoing							
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					
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				
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				
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				
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				

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Soil & Water-12	Non-Transient Non-Community Water System	Obtain a permit to operate a non-transient, non-community water system with the County.Potable Water		Fluor	> 60d pt operation		1-Mar-13					
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								
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		Operations	Annually							
Soil & Water-13	Channel Maintenance Program	Supervise the implementation of a Channel Maintenance Program.		Fluor / Operations	Ongoing							
Soil & Water-13	Channel Maintenance Program	Ensure the Project Construction Manager receive training on the Channel Maintenance Program.		Fluor	Ongoing							
Soil & Water-13	Channel Maintenance Program	Submit two copies a Channel Maintenance Program.		Fluor	> 60d pt start of project related activity		2-Mar-11					
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							
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					
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			
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							
Soil & Water-15	Colroado River Flow Mitigation, Water Supply Plan	Implement Water Supply Plan mitigation measures.		Jeff Harvey	Ongoing							
Soil & Water-15	Colroado 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	
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			
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			
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							
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							
Soil & Water-17	Ground Subsidence Monitoring and Action Plan	Submit a 5-yr monitoring report summarizing findings to date.		Operations	5yrs after GW production							
Soil & Water-18	Water Policy Compliance Water Supply Plan	DELETED										
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				
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			
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					
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			
Soil & Water-20	Groundwater Quality Monitoring and Reporting Plan	Commence groundwater quality monitoring prior to construction.		Worley Parsons	pt construction		8-Dec-10	completed				
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			
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	

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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			
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 ?	
TRANS-2	Vehicle Weight Limits	Retain copies of transportation permits and supporting documentation on-site for inspection if requested.		Fluor								
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					
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					
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					
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					
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					
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			
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			
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							
TRANS-5	Restoration of Public Roads, Easements, and ROWs	Submit letter of ROW repair completion, including concurrence from Caltrans or the County.		Fluor								
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					
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							
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					
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							
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							
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							
TLSN-3	Combustible Material Inspections	Maintain Tline ROW free of combustible material.		Operations	Ongoing							
TLSN-4	Metallic Object Grounding in ROW	Submit compliance documentation.		Fluor	> 30d pt energization		2-Dec-12					
TLSN-4	Metallic Object Grounding in ROW	Ensure all permanent metallic objects within the Tline ROW are grounded.		Fluor	Ongoing							

COC	Title	Description	Begin Working on this item	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
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?	
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							
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							
VIS-2	Temporary and Permanent Exterior Lighting	Submit a Lighting Mitigation Plan.		Fluor	> 60d pt ordering permanent lighting		30-Jun-11				purchase schedule?	
VIS-2	Temporary and Permanent Exterior Lighting	Notify CPM of lighting complaint resolution/implementation.		Fluor	< 48hr of resolution							
VIS-2	Temporary and Permanent Exterior Lighting	Notify CPM that permanent lighting is installed and ready for inspection.		Fluor	pt operation		30-Apr-13					
VIS-2	Temporary and Permanent Exterior Lighting	If after inspection lighting modifications are needed, notify CPM that modifications are complete.		Fluor	< 30d after notification							
VIS-2	Temporary and Permanent Exterior Lighting	Submit any received lighting complaints. Include proposal to resolve and schedule.		Fluor	< 48hr of complaint receipt							
VIS-2	Temporary and Permanent Exterior Lighting	Submit a copy of complaint resolution report.		Fluor	< 30d of resolution							
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?	
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					
VIS-3	Tline setback from I-10	DELETED										
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				
VIS-4	Reflective Glare Mitigation	Submit copy of complaint glare resolution form.		Fluor / Operations	< 30d of receipt							
VIS-4	Reflective Glare Mitigation	Submit any glare complaints, including resolution and schedule.		Fluor / Operations	< 48hr of complaint receipt							
VIS-4	Reflective Glare Mitigation	Notify CPM resolution/implementation for glare complaints.		Fluor / Operations	< 48hr of resolution							
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	
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					
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			
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			
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							
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			
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							
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							
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			
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			

COC	Title	Description	Begin Working on this item	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
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					
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.	
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							
WASTE-8	Reuse/Recycling Plan	DELETED										
WASTE-9	Operation Waste Management Plan	Submit actual volume of waste generated and management methods used in each Annual Compliance Report.		Mosley	Annually							
WASTE-9	Operation Waste Management Plan	Submit the Operation Waste Management Plan.		Fluor	> 30d pt operation		31-Mar-13					
WASTE-9	Operation Waste Management Plan	Submit any required revisions of Ops Waste Plan.		Fluor	< 20d of notification from CPM							
WASTE-9	Operation Waste Management Plan	Update Operations Waste Management Plan as necessary.		Operations	Ongoing							
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							
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							
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							
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			
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			
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	
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					
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			
Worker Safety-4	Construction Safety Supervisor - Staff Assignment	CSS to include compliance documentation in Monthly Compliance Report.		Fluor	Monthly							
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			
Worker Safety-4	CBO Payments	Post payment to CBO for a Safety Monitor.		NextEra	TBD w CBO		1-Jan-11	14-Jan-11				

COC	Title	Description	Begin Working on this item	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
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					
Worker Safety-5	Automatic External Defibrillator onsite	Conduct AED training program in accordance with CPM-approved program.		Fluor / Operations	Ongoing		1-May-11					
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			
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					
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					
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					
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			
Worker Safety-7	Riv Co Fire Department, Capital and Operating Costs Funding	(if opted), provide letter of credit to RCFD annually.		NextEra	Annually							
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			
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							
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					
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							
GEN-1	2007 Ca Buidling Standards Code Compliance	Provide the CPM a copy of the certificate of occupancy (CO).		BV/CPM	< 30d of receipt							
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							
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							
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			
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		Flour								
GEN-3	CBO Payments	Submit payments to the CBO in accordance with the agreement between the project owner and the CBO.		NextEra	ongoing							
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					
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				

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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			
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			
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			
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			
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			
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			
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			
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			
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			
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							
GEN-6	Special Inspector(s) - Staff Assignment	Notify the CPM of the CBO's approval of replacement inspector.		Fluor	< 5d of approval							
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							
GEN-6	Special Inspector(s) - Staff Assignment	Special inspectors submit inspection reports to the CBO and RE.		Fluor	Ongoing							
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					
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			
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					
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							
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							
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								
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					
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							
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					
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					

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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			
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					
CIVIL-1	CBO Submittals- Drainage and Grading, Statement of Submittal	Include CBO approval in following monthly compliance report.		Fluor	< 30d after approval							
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							
CIVIL-2	RE Stop Work Authority and Notification	Submit CBO approval of modified plans to CPM.		Fluor	< 24hr of approval							
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							
CIVIL-3	CBO Inspection of 2007 CBC Compliance	Include a list of NCRs in the following Monthly Compliance Report.		Fluor	Monthly		Monthly					
CIVIL-3	CBO Inspection of 2007 CBC Compliance	Perform inspections in accordance with the 2007 CBC. Report any discrepancies immediately.		Fluor	Ongoing							
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							
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							
CIVIL-4	Final Grading Plans - CBO submittal	After completion of finished grading and erosion and sedimentation		Fluor	< 30d completion of drainage work							
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							
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					
STRUC-2	CBO Submittal - Concrete, Welds, Other Structural Activities			Cody	< 5d of NCR							
STRUC-2	CBO Submittal - Concrete, Welds, Other Structural Activities			Cody								
STRUC-2	CBO Submittal - Concrete, Welds, Other Structural Activities			Cody	< 15d CBO response							
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							
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							
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							
STRUC-4	2007 CBC Compliance for Toxic or HAZMAT	Submit to the CBO final design plans for tanks or vessels.		Fluor	> 30d pt installation							
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							

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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							
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								
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								
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					
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							
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							
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					
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							
MECH-2	CBO and Cal-OSHA Submittal - Pressure Vessel	Include CBOs inspection approval in the monthly compliance report following any inspection.		Fluor								
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							
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							
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							
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							
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					
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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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					
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					
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								
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	
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			
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			
PAL-2	PRS Submittal - Stie Drawings Showing Disturbance Areas	Submit letter of any construction phase schedule changes.		Fluor	< 5d of identification							
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				
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.		AE Com	until gd is completed		17-Jan-11					
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			
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			
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							
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).		SWICA	> 30d pt gd		17-Dec-10	3-Dec-10	Approved 12/21/10			
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					
PAL-4	Paleontological WEAP	Submit Paleo training documentation in Monthly Compliance Report.		SWICA	Monthly		Monthly					
PAL-4	Paleontological WEAP	Submit resume of any alternative paleo trainer (if applicable).		SWICA	Ongoing							
PAL-4	Paleontological WEAP	Include paleo resources in the WEAP.		SWICA	> 30d pt gd		17-Dec-10	14-Dec-10	Approved 1/4/2011			
PAL-4	Paleontological WEAP	Submit script and final video of paleo training.		SWICA	> 30d pt gd		17-Dec-10	14-Dec-10	Approved 1/4/2011			
PAL-5	PRS Monitoring and Stop Work Authority	Include summary of paleo monitoring activities and finds in the Monthly Compliance Report.		SWICA	Monthly		Monthly					
PAL-5	PRS Monitoring and Stop Work Authority	Notify CPM of any significant paleo resource encountered.		SWICA	< 24hrs upon discovery							
PAL-5	PRS Monitoring and Stop Work Authority	Notify CPM of any noncompliance related to paleo resources.		SWICA	< 24hrs upon discovery							

COC	Title	Description	Begin Working on this item	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
PAL-5	PRS Monitoring and Stop Work Authority	Implement PRMMP, maintain daily logs. Submit for approval any change in paleo monitoring plan.		SWICA	Ongoing							
PAL-6	Paleontological Resource Curation	Retain copies of signed contracts with the designated PRS and other specialists; also the Paleontological Resource Report.		SWICA	3yr after construction completion		1-Jul-14					
PAL-6	Paleontological Resource Curation	Submit copy of letter to curating institution - if fossils found.		SWICA	Ongoing							
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.		SWICA	Ongoing							
PAL-7	Paleontological Resources Report	Submit a Paleontological Resources Report (PRR).		SWICA	< 90d after gd		28-Sep-14					
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					
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							
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							
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							
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							
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							
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							
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							
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								
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					
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					
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					

COC	Title	Description	Begin Working on this item	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
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					
TSE-7	ISO Notification	Submit telephone notification to the California ISO Outage Coordination Department		Operations	> 1d pt synchronizaiton		31-Dec-12					
TSE-7	ISO Notification	Submit to the California ISO a letter stating the proposed date of synchronization.		Operations	> 7d pt synchronizaiton		25-Dec-12					
TSE-7	ISO Notification	Submit a report of conversation with the California ISO.		Operations	> 1d pt synchronizaiton		31-Dec-12					
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 synchronization		2-Mar-13					
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							
TSE-8	Code Compliance	Inspect transmission line to ensure conformance with applicable codes and standards.		Fluor / Operations	Ongoing							
COMPLIANCE-1	Unrestricted Access	Provide CEC staff and delegate agencies or consultants unrestricted access to the power plant site.	N/A	NextEra								
COMPLIANCE-2	Compliance Record	The project owner shall maintain project files on-site.	N/A	Operations								
COMPLIANCE-2	Compliance Record	Energy Commission staff and delegate agencies shall be given unrestricted access to the files.	N/A	Operations								
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	Ongoing							
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	Approved			
COMPLIANCE-5	Compliance Matrix	Submit a compliance matrix with each monthly and annual compliance report		ECM	Monthly			7-Dec-10				
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				

COC	Title	Description	Begin Working on this item	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
COMPLIANCE-7	Annual Compliance Reports	Submit Annual Compliance Reports instead of Monthly Compliance Reports.		Operations	Annually	Ask Eric when annual reports are due						
COMPLIANCE-8	Confidential Information	Submit confidential information to CEC Executive Director with a request for confidentiality.		Fluor / NextEra	Ongoing							
COMPLIANCE-9	Complaints, Notices and Citations	Send a letter to property owners living < 1 mile 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			
COMPLIANCE-10	Planned Facility Closures	Submit a closure plan to the CPM.	90 days before closure	Operations	> 12m pt closure							
COMPLIANCE-11	Unplanned Permanent Facility Closure	Submit an on-site contingency plan.	60 days after CPM approval	Fluor	> 90d of CPM determination							
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							
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
BPC Master Equipment List November 2012

Equipment Type	Equip. Number	Brand / Model	Registration Number	Expiration Date	Serial Number	Engine Year	Horsepower	Tier Rating	Contractor	Rental Company	Mobilization Date	Demobilization Date	Notes
International Truck	201070	International 4400	N/A	N/A	1SHMTAKNH416035	2005	245	3	BPC	ARB, Inc	1/3/2012		
International Truck	201071	International 4400	6605906	N/A	1SHMTAKNH416066	2005	245	3	BPC	ARB, Inc	1/3/2012		
CAT 966K Loader	EV9385	CAT	EV9385	N/A	MM409308	2012	267	4	BPC	ARB, Inc	3/27/2012		
Backhoe 420E	RL1940	CAT	US1937	N/A	CE117607	2011	89	3	BPC	ARB, Inc	3/23/2012		
Backhoe 420E	392086	CAT	AV7F48	N/A	CAT9420ETHS02145	2006	93	3	BPC	ARB, Inc	4/29/2012		
Backhoe 420E	392092	CAT	K98H98	N/A	CAT9420EPR00367	2009	93	3	BPC	ARB, Inc	5/1/2012		
10K Srv Trac	349951	Cummins	HF5653	N/A	68324274	2011	50	3	BPC	Sunbelt Rental	3/15/2012		
10K Srv Trac	371505	Cummins	E67H48	N/A	ACESG075AAG	2010	110	3	BPC	Sunbelt Rental	3/16/2012		
20K Forklift Hyster 210	07292	Hyster	69488	N/A	60192021070	2007	155	3	BPC	Sunbelt Rental	3/16/2012		
Water Truck 4000G	462817	CAT	N/A	N/A	W40X16043	2005	275	3	BPC	Sunbelt Rental	4/5/2012		
55KV Generator	118527	Isovu	135459	12/31/2012	929449	2006	74	3	BPC	Sunbelt Rental	3/29/2012		
10K Srv Trac 10054	450651	Cummins	V18A57	N/A	30212424	2005	109	3	BPC	Sunbelt Rental	3/15/2012		
10K Srv Trac 10054	450958	J.D.	W13688	N/A	PF6045H34253	2005	99	3	BPC	Sunbelt Rental	4/18/2012		
75KV generator	358392	Isovu	355110	7/31/2014	124714	2011	97	3	BPC	Sunbelt Rental	4/11/2012		
45KV generator	368855	Isovu	359937	8/31/2014	125607	2011	75	4	BPC	Sunbelt Rental	4/11/2012		
10K Srv Trac 10054	381629	Cummins	W09044	N/A	46904990	2008	82	3	BPC	Sunbelt Rental	4/9/2012		
10K Srv Trac 10054	381631	Cummins	DM3H74	N/A	46865567	2008	110	3	BPC	Sunbelt Rental	4/9/2012		
10K Srv Trac 10054	427265	Cummins	RD4895	N/A	30697376	2005	109	3	BPC	Sunbelt Rental	3/30/2012		
10K Srv Trac 10054	371673	Cummins	TR7C5	N/A	79151730	2010	110	3	BPC	Sunbelt Rental	3/30/2012		
10K Srv Trac 10054	450651	Cummins	X18A57	N/A	30212424	2005	109	3	BPC	Sunbelt Rental	4/15/2012		
10K Srv Trac 10054	381659	Cummins	CG593	4/17/2012	15516	2010	110	3	BPC	Sunbelt Rental	4/25/2012		
10K Srv Trac 10054	348226	Cummins				2010	110	3	BPC	Sunbelt Rental	5/15/2012		
T-800 Water Truck	218015	Kenworth	8N99354	8/13/2000	1NKQU00X04052569	2003	375	3	BPC	ARB, Inc	5/24/2012		
55KV generator	398255	MG Power	PCA7055U2C	6/30/2014	7951951	2003	84	3	BPC	Sunbelt Rental	5/29/2012		
55KV generator	368854	MG Power	PCA45U57C	8/31/2014	820291	2011	70	3	BPC	Sunbelt Rental	8/3/2012		
100KW Diesel Generator	349720	MG Power	35060	7/31/2012	751058	2011	166	3	BPC	Sunbelt Rental	8/28/2012		
10K Shooting Boom Forklift	381645	JLG	X93H5	N/A	16030453	2010	110	3	BPC	Sunbelt Rental	8/2/2012		
10K Shooting Boom Forklift	454957	SkyTrac	X13W08	N/A	160046153	2010	110	3	BPC	Sunbelt Rental	8/20/2012		
100KW Diesel Generator	475209	MG Power	132556	7/31/2015	7800205	2011	166	3	BPC	Sunbelt Rental	8/2/2012		
750LB Skidsteer Loader	359570	Bobcat	CA7657	N/A	A31538171	2012	49	4	BPC	Sunbelt Rental	8/20/2012		
550-M	31670	Cesa	W09A34	N/A	N/A	N/A	N/A	N/A	BPC	Charles's Backhoe (Owner/Oper)	7/19/2012	10/7/2012	
550-L Backhoe	159357	Cesa	S06M85	N/A	N/A	N/A	N/A	N/A	BPC	Robert Jones (Owner/Oper)	9/3/2012	10/7/2012	
45 Ton TEREX Crane	864512	RT45-SXL	M78A46	7/31/2015	160952	2012	160	4	BPC	Cards Pacific	9/28/2012		
60' Art Manlift	240647	JLG	N/A	N/A	300134002	2009	82	3	BPC	Sunbelt Rental	9/28/2012		
55KW Generator	118856	MG Power	135311	1/31/2013	8600877	2011	90	3	BPC	Sunbelt Rental	10/10/2012		
55KW Generator	118866	MG Power	135313	1/31/2013	8600886	2011	90	3	BPC	Sunbelt Rental	10/10/2012		
55KW Generator	467640	MG Power	159017	7/31/2015	8802292	2012	98	3	BPC	Sunbelt Rental	10/10/2012		
330ART Scissor Lift	247011	JLG	N/A	N/A	020091193	N/A	82	3	BPC	Sunbelt Rental	10/10/2012		
330ART Scissor Lift	249299	JLG	N/A	N/A	020091618	N/A	82	3	BPC	Sunbelt Rental	10/11/2012		
330ART Scissor Lift	248357	JLG	N/A	N/A	020092031	N/A	82	3	BPC	Sunbelt Rental	10/19/2012		

Genesis Solar Energy Project
BPC Master Equipment List November 2012

Equipment Type	Equip Number	Brand /Model	Registration Number	Expiration Date	Serial Number	Engine Year	Horsepower	Tier Rating	Contractor	Rental Company	Mobilization Date	Demobilization Date	Notes
55KW Generator	494444	MQ Power	159997	8/31/2015	138502782500682711	2012	98	4	BPC	Sunbelt Rental	10/11/2012		
100KW Diesel Generator	118625	MQ Power	134361	8/31/2015	8500589	2012	123	4	BPC	Sunbelt Rental	10/11/2012		
55KW Generator	467644	MQ Power	159018	7/31/2015	8602310	2012	98	3	BPC	Sunbelt Rental	10/11/2012		
395RT Scissor Lift	178912	JLG	N/A	N/A	6260173993	N/A	82	3	BPC	Sunbelt Rental	10/29/2012		

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

11/30

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	JA3589	n/a	300100537	2006	65	2	SPX	United Rental	4/9/12	5/9/12
12K Reach Forklift	JLG G12-55A-CAB	W54U93	n/a	160042642	2011	130	3	SPX	United Rental	4/16/12	
10K Reach Forklift	SkyTrak10054	NL5546	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	N419-1414	2008	275	3	SPX	Bragg Crane	4/19/12	
Skid Steer Loader	Bobcat T190	JP8A55	n/a	A31N40197	2011	66	4	SPX	United Rental	4/2/12	8/2/12
Crawler Crane	Manitowoc 2250	UN4199	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	FD1373	2006	135	3	SPX	Bragg Crane	6/1/12	
Crane	Tadano GR150XL-1	GK4C54	n/a	134105	2007	362	3	SPX	Bragg Crane	6/1/12	
Crawler Crane	Liebherr LR 1160	EW4G63	n/a	JA07011	2006	64	4	SPX	United Rental	6/6/12	6/11/12
Aerial Lift	Snorkel TB80	EB3197	n/a	FDC02-1270-00441	2012	138	3	SPX	United Rental	3/30/12	8/2/12
Forklift	Doosan D130S-5	FU8T96	n/a	300068195	2002	64	4	SPX	United Rental	6/11/12	7/23/12
Aerial Lift	JLG 600S	GP4P96	n/a	300140695	2010	62	4	SPX	United Rental	6/8/12	7/27/12
Aerial Lift	JLG 860SJ	VA5H57	n/a	S8008-7276	2008	74	3	SPX	United Rental	6/11/12	
Aerial Lift	Genie S85-D-4WD	HA3V64	n/a	S8512-9424	2012	74	4	SPX	United Rental	6/26/12	
Aerial Lift	Genie S-85	BA7H58	n/a	S12005-1090	2005	74	3	SPX	United Rental	7/29/12	8/23/12
Aerial Lift	Genie S120-D-4WD	LP5R53	n/a	S12511-3021	2010	78	3	SPX	United Rental	7/23/12	10/10/12
Aerial Lift	Genie S125-D-4WD	BA4U44	n/a	S12511-3021	2010	78	3	SPX	United Rental	7/27/12	
90T Hydraulic Crane	Link Belt RTC-8090_II	LV6567	n/a	N419-0909	2008	275	3	SPX	Bragg Crane	8/2/12	
12K Reach Forklift	JLG G12-55A_HVY_DTY	MN3A47	n/a	160041880	2011	130	3	SPX	United Rental	8/14/12	
10K Reach Forklift	JLG 10054	AR8H47	n/a	160047046	2012	75	3	SPX	United Rental	8/14/12	
Tractor	Deere 210LJ	EP9H67	n/a	1T0210LJB089	2011	75	3	SPX	United Rental	8/14/12	
Aerial Lift	Genie S-125	NR3559	n/a	S12511-2966	2010	74	3	SPX	United Rental	8/23/12	
Aerial Lift	Genie S-125	N13W39	n/a	S12511-2974	2010	75	3	SPX	United Rental	8/14/12	10/9/12
Aerial Lift	JLG 1200SJ	EM7F54	n/a	300156959	2011	75	3	SPX	United Rental	8/29/12	
90T Hydraulic Crane	Link Belt RTC-8090_II	UT4194	n/a	N4191312	2008	275	3	SPX	Bragg Crane	10/1/12	
Aerial Lift	JLG 860SJ	JV3E73	n/a	300162263	2012	62	3	SPX	United Rental	10/9/12	

**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	150415	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)		
Dozer	CAT 934B	C58P98	NA	34-07	2007	475	III	Sukut	Sukut	9/19/2011	3/22/2012	
Dozer	CAT 924C	YA9K67	NA	24-12	2007	354	III	Sukut	Sukut	9/29/2011		
Motor Grader	CAT 16G	SC5M77	NA	2801-16	2009	297	III	Sukut	Sukut	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	TH4647/UK3 K99	NA	57-22	2010	440	III	Sukut	Sukut	9/28/2011	4/20/2012	
Scraper	CAT 657	XK3B33/6P8T 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	VF6M63/F16T 95	NA	57-65	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	CU5Y75/G19 T48	NA	57-29	2010	440	III	Sukut	Sukut	10/4/2011	4/10/2012	
Scraper	CAT 657	KG5B54/SG3 N43	NA	57-64	2010	440	III	Sukut	Sukut	10/4/2011		
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	11/9/2011	
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 -SDG605	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

**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 (Recorded)	Demobilization Date	Notes
Generator	NA	148485	8/31/2013	NA	NA	NA	III	SouthWest Drilling	SouthWest Drilling	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	LJ6V63	NA	NA	NA	NA	III	Sukut	Miller Blades	10/17/2011	10/24/2011	
Scraper	CAT 613	FV6W46	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		
Roller	BOMAG 177D	HV4478	NA	NA	NA	NA	III	Sukut	United Rentals	10/20/2011	10/21/2011	
Motor Grader	CAT 16G	VX6L67	NA	NA	NA	NA	III	Sukut	Miller Blades	10/25/2011		
Scraper	CAT 657	WN3G47/TP5	NA	57-59	NA	440	III	Sukut	Sukut	10/25/2011		
Scraper	CAT 657	VR9W59/DU	NA	57-41	NA	440	III	Sukut	Sukut	10/28/2011		
Scraper	CAT 657	XGN34/NY8	NA	57-40	NA	440	III	Sukut	Sukut	11/3/2011	4/10/2012	
Scraper	CAT 657	NX6E67/XF4	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		
Scraper	CAT 657	LK5B78/PP9G	NA	57-41	NA	440	III	Sukut	Ren Trac	11/9/2011	4/12/2012	
Scraper	CAT 657	GW6L96/P66	NA	1265	NA	440	III	Sukut	Ren Trac	1/9/2012		
Scraper	CAT 657	TP8386/4F55	NA	1257	NA	440	III	Sukut	Ren Trac	1/9/2012		
Scraper	CAT 657	GT4449/T4G	NA	1229	NA	440	III	Sukut	Ren Trac	1/10/2012		
Scraper	CAT 657	PD6T47/TM7	NA	1248	NA	440	III	Sukut	Ren Trac	1/10/2012		
Scraper	CAT 657	XC3E93/VX8L	NA	1855	NA	440	III	Sukut	Ren Trac	1/11/2012		
Generator	70 Kw	140035	NA	701672	NA	NA	III	Sukut	RSC	11/15/2011	1/13/2012	
Forklift	Skytrack LG	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	11/30/2011	1/13/2012	
Skiploader	JD 210	NA	NA	NA	NA	NA	III	Sukut	RSC	11/12/2011	3/5/2012	
Water Wagon	CAT 651	FRX8T76/R43	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	SF59V87	NA	1	NA	NA	III	Sukut	Miller Blades	1/16/2012		

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 NOVEMBER 2012**



Prepared for:

Genesis Solar, LLC
11995 Wiley Wells Road
Blythe, California 92226

Prepared by:

AECOM
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Phone: (619) 233-1454

November 2012

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ATTACHMENTS

- 1 Figures
- 2 Species Observed During April Surveys and Monitoring
- 3 Daily Biological Monitoring Logs
- 4 Survey Data Forms
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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), fiber optic line and the Access Road. The transmission line and natural gas pipeline did not involve construction activities during the past month. Surveys for the transmission line, gas line, and fiber optic line installation were initiated during the past month. 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 November 2012. The following biological surveys and monitoring took place in November 2012:

- Weekly reconnaissance for ravens, focusing on potential subsidies; and, daily recording of raven sightings.
- Biological monitoring of the Plant Site and Access Road.

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 November 2012, Project activities were in compliance with the COCs that apply to the construction activities.

SUMMARY OF ACTIVITIES

Weekly activities for the month consisted of:

- General Construction Monitoring
 - Monitored Plant Site – General site activities including powerblock one and two construction, firewater line testing, caisson drilling and construction, permanent fence construction, mirror installation, channel work, evaporation pond excavation, laydown yard activities, and hanging of the fiber optic line were monitored. All Plant Site construction activities occurred within the desert tortoise (DT) exclusion fencing. No DT, American badger (AB), western burrowing owl (WBO), Couch's spadefoot toad (CST), or nesting birds were detected during monitoring. Desert Kit Fox (DKF) were observed on video within the temporary exclusion fence. DKF scat was found within the temporary exclusion fence in a water diversion channel and prints were found within the Plant Site. 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). A potential DT sighting was reported (by a commercial vehicle operator) 50 feet south of the plant access road. The DB and BMs immediately initiated DT surveys in the vicinity and conducted enhanced access road monitoring in the area for one week. Neither a DT nor DT sign were observed by the DB or BMs during this effort. No other special status species sightings were observed during the month of November. The preponderance of plant traffic obeyed speed limits during November 2012. Speeding vehicles, if observed, were reported to the Environmental Compliance Manager and/or construction manager. Drivers observed speeding were held accountable by contractors. Vehicle speed and speed limits were discussed with contract personnel to reinforce compliance. Night time and day time speed limit hours were adjusted to 6:30 a.m. to dusk to account for seasonal changes in published civil twilight. The nighttime speed limit is 35 MPH. The daytime speed limit is 45 MPH.
 - Monitored fiber optic line installation activities outside of the tortoise exclusion fence – Fiber optic crews revisited project WEAP training. Specifically, crews were reminded of the potential for sensitive species to occur outside the plant site fence and the importance of inspecting the ground beneath parked vehicles prior to any motor vehicle activity. The activities were monitored and the work areas cleared daily by biologists prior to the

start of work. No ground disturbance occurred in association with the fiber optic activities during the month of November. No sensitive species were observed during fiber optic line installation.

- Monitored removal of the abandoned egress road from the July 31 flood event outside of the exclusion fence. Construction personnel engaged in this effort revisited project WEAP training. Specifically, crews were reminded of the potential for sensitive species to occur outside the plant site fence and the importance of inspecting the ground beneath parked vehicles prior to any motor vehicle activity. The work area was defined and all road removal and restoration occurred within the defined area. The activity was monitored and the ground disturbance work areas were cleared by BMs prior to the start of work. No sensitive species were observed within the road removal disturbance area.
- BMs monitored dust suppression activities and water activities that had potential to result in ponding water. These activities were monitored 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 at water tanks was minimized by scheduled water tank pad maintenance. Water discharge from waste water tank testing and fire water testing and line cleaning was released into sedimentation pond 1 and resulted in ponding water. The ponding water was monitored. This discharge occurred per an agreement with the CBO and site management. A discharge plan is in development, in consultation with BLM, for future water discharge events.
- 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. On November 7, 2012, a hydraulic fluid spill occurred from a cement truck along the access road. The DB was notified and responded to verify that no biological impacts had occurred. The DB monitored the spill area to confirm no biological impacts occurred until the situation was addressed by the compliance team. There were no other reportable spills during the November reporting period.
- Unscheduled and unmonitored work occurred outside the plant fence on November 19, 2012. The July 31 flood event caused erosive voids at the bases of 10 poles along the access road. This work involved filling those voids. The unmonitored activity was stopped immediately and reported to the

construction compliance team. The construction compliance team reported the event to the BLM and CEC. A biological monitor was mobilized to assess activities and monitor remaining efforts. No impacts to biological resources were identified.

- Exclusion Fence Monitoring
 - The temporary tortoise exclusionary fence was inspected on a weekly basis. The fence was intact and no breaches were found during November 2012.
 - The DT grate at the Plant Site entry from the access road was inspected on a daily basis and maintenance (e.g., removal of soil build-up) was performed when necessary. The DT grate was intact and functional during November 2012.
 - The permanent DT exclusion fence is installed around the plant site, on the inner side of the security fence. The DT exclusion fence is now being installed on the outer side of the security fence. The temporary DT exclusion fence is still in place outside the permanent security fence and exclusionary fence. To mitigate for the inside the fence installation, both sides of the fence are now inspected on a monthly basis.

- Raven Monitoring
 - Monitors recorded incidental raven observations and activities during general construction monitoring. Typically, ravens were observed along the access road perched on power poles or flying.
 - Biweekly point count surveys were conducted. Zero total ravens were observed during the bi-weekly raven point count surveys in November (November 12 and November 30). Biweekly raven counts will continue throughout the construction phase. 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 construction activities, with the exception of fiber optic line installation, occurred within the Plant Site.
 - All biological ESAs are outside of the tortoise exclusionary fencing. ESAs along access road are marked.

- Special Status Species Surveys and Monitoring
 - DKF monitoring with wildlife cameras and radio telemetry was conducted on behalf of CDFG and BLM. 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.
 - No DKF dens requiring surveys or monitoring were found within the Project Disturbance Area.

SURVEY METHODS AND RESULTS

Pre-construction surveys have been completed and the GSEP site is in the construction phase. Surveys were initiated for planned transmission line, fiber optic line and gas line activities. Results of these surveys will be summarized upon their completion. 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 November 2012 are summarized below.

Nesting Bird Surveys

No nesting bird surveys were required or conducted during the November 2012 reporting period. It is currently outside of the nesting season.

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 127 incidental raven sightings during 20 monitoring days. This represents a month-over-month increase¹ in incidental raven observations.

¹There were approximately 127 incidental raven sightings in November 2012. As a note, incidental raven sightings do not provide an accurate assessment of raven population changes. They are incidental sightings only and do not represent independent sightings.

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 on during both the November 12 and November 30 survey. One raven was observed during the previous monthly raven count surveys.

WEED AND ESA MONITORING

Scattered individual puncture vine (*Tribulus terrestris*) and cinch weed (*Pectis papposa*) plants were observed within the Plant Site and along the 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. It is understood that the PUP and EA have been forwarded to the State BLM office for approval as of the end of the November 2012 period. 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. ESAs appear to have been avoided.

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 November received WEAP training. WEAP training records are maintained onsite by the site Environmental Compliance Manager.

GENERAL DAILY NOTES AND OBSERVATIONS

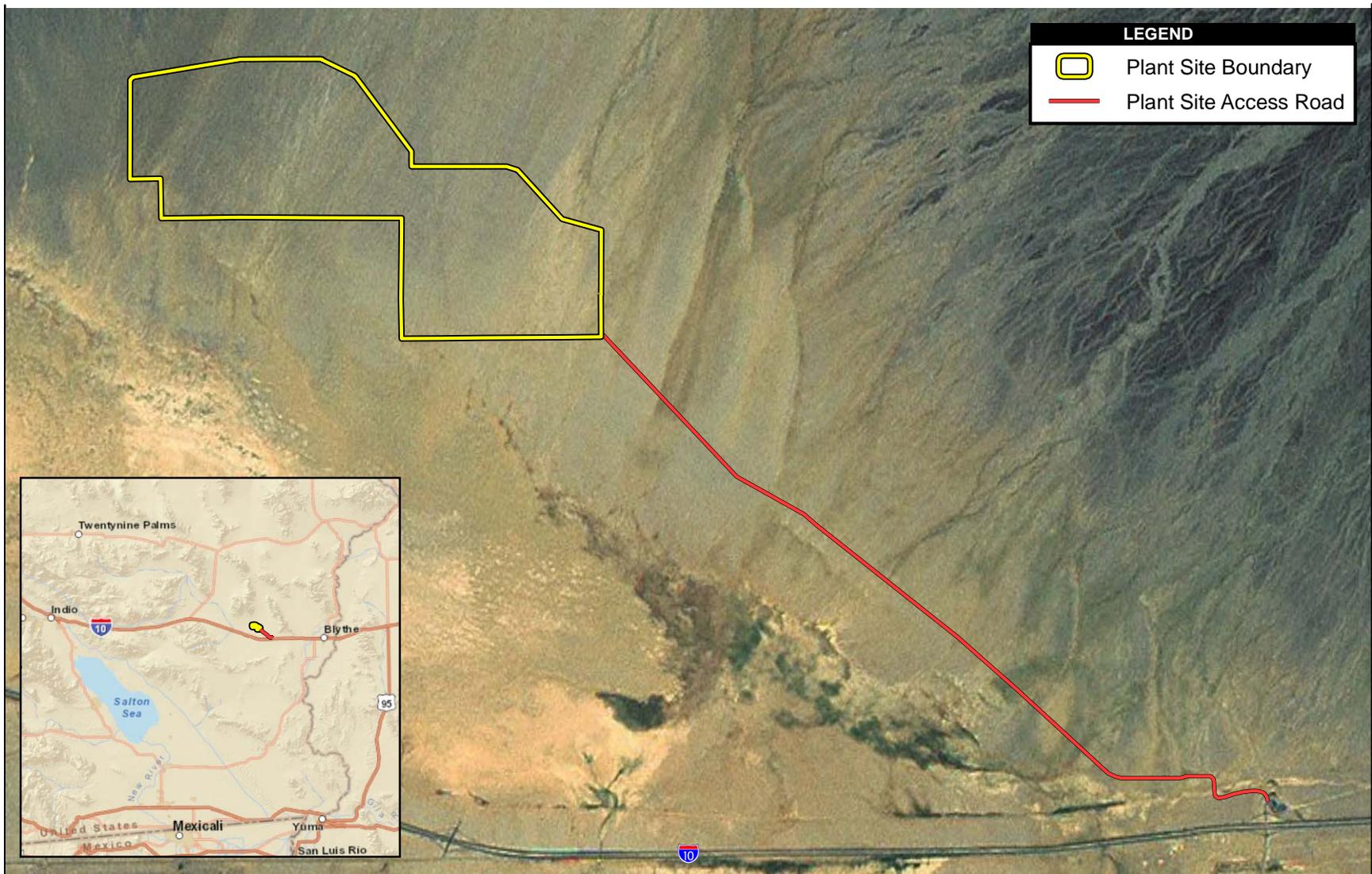
Daily notes detailing compliance monitoring activities are provided in the forms attached (Attachments 3 and 4).

REFERENCES

Not applicable during this reporting period.

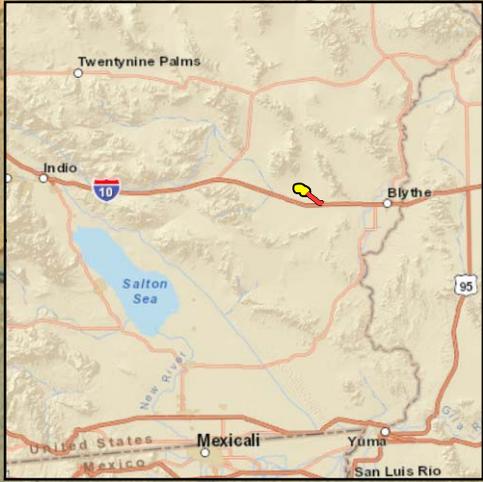
ATTACHMENT 1

FIGURES

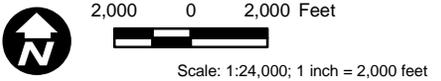


LEGEND

-  Plant Site Boundary
-  Plant Site Access Road



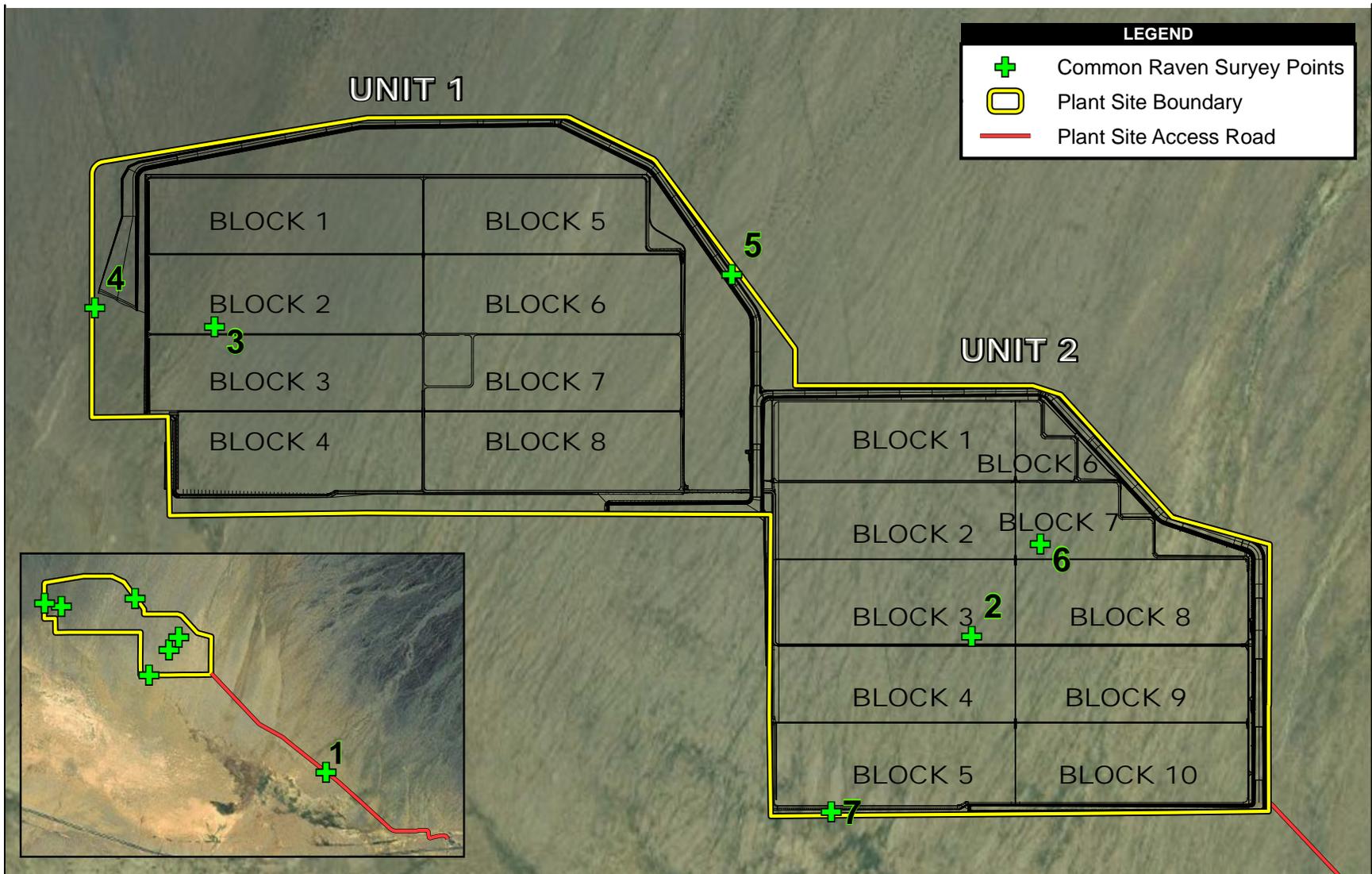
Source: GSEP 2012; AECOM 2012; i-cubed 2010; ESRI 2012

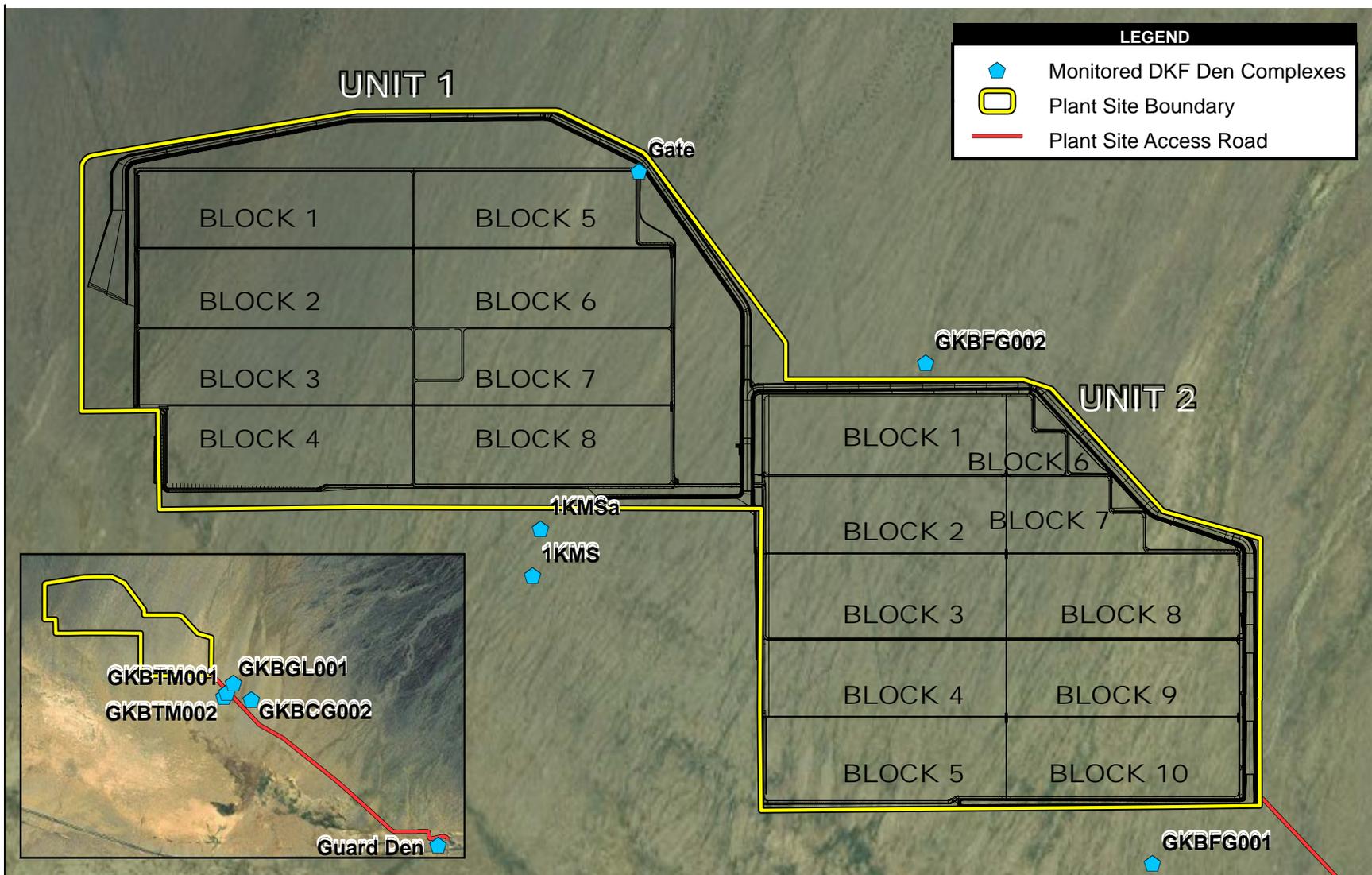


**Genesis Solar Energy Project
Vicinity Map**

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



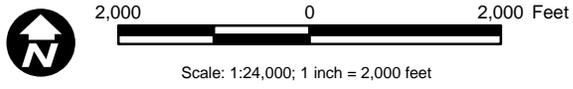


LEGEND

-  Monitored DKF Den Complexes
-  Plant Site Boundary
-  Plant Site Access Road



Source: GSEP 2012; AECOM 2012; i-cubed 2010. **Novem**



Genesis Solar Energy Project

**November 2012 DKF Den Complexes Monitored
Camera Stations and/or Periodic Biological Monitor Visits**

Path: P:\2011\60220713\06GIS\6.3_Layout\Bio\MCR\2012\10 - October\DKF Camera Complexes 20121022.mxd, 10/25/2012, irelandn

ATTACHMENT 2

**SPECIES OBSERVED DURING NOVEMBER
SURVEYS AND MONITORING**

SPECIES OBSERVED DURING NOVEMBER SURVEYS AND MONITORING

Animals:

Desert kit fox
Kangaroo rat

Birds:

American Kestrel
Brewer's Blackbird
Greater Roadrunner
House Finch
Loggerhead Shrike
Northern harrier
Peregrine falcon
Prairie falcon
Raven
Red-tailed hawk
Rock Wren
Sage Sparrow
Say's Phoebe
Turkey vulture
Western Meadowlark

Reptiles:

Desert Horned Lizard
Desert Iguana
Mojave Fringe-toed Lizard
Side-blotched Lizard
Sidewinder Rattlesnake
Western Whip-tail Lizard
Zebra-tailed Lizard

ATTACHMENT 3

DAILY BIOLOGICAL MONITORING LOGS

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 11/1/2012

Monitor: Eric German
 Weather Conditions: Partly Sunny, Clouds: 10%, Pcp: None
 High Temp (°F): 87 Low Temp (°F): 56

Start Time: 8:00:00 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: 0730 report of bird in power block 2. Bird not located. 0800 inspect access road. 0930 report of hydraulic spill at north laydown yard. About a gallon. Contractor notified bio and cleaned. Spoils put into hazardous waste. 1020 remove and release tarantula Unit 1 block 4. 1145 office. 1230 inspect unit 2 south side and check locations of past desert unicorn findings. Desert unicorn at esa boundary outside fence. No other findings. 1400 meeting. 1430 inspect access road. Report of 18 wheeler parked near Arizona crossing. Vehicle was leaving when I arrived. 1530 office. 1630 inspect water trucks, water tank 0 and 2 pads. No findings. 1700 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		Trash on site appears to be mostly properly stored and placed in receptacles. Some wind blown trash on access road.
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 inside fence at 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			12 total : 4perched 8 flying.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: N/A

Date & Time: Thu Nov 1 13:17:32 PDT 2012

Position: 11 N 686041 3725506

Altitude: 341ft

Azimuth/Bearing: 214° S34W 3804mils (True)

Elevation Angle: -17.4°

Horizon Angle: -00.4°

Zoom: 1X

desert unicorn location esa



Date & Time: Thu Nov 1 13:14:11 PDT 2012

Position: 11 N 686258 3725508

Altitude: 384ft

Azimuth/Bearing: 195° S15W 3467mils (True)

Elevation Angle: -18.0°

Horizon Angle: -02.2°

Zoom: 1X

desert unicorn location esa



Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 11/2/2012

Monitor: Eric German
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 84 Low Temp (°F): 58

Start Time: 5:55:00 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: 0600 inspect access road. No findings 0700 inspect access road shoulders. No sensitive species observed. 0900 inspect south side unit 2. No findings. 0915 dkf throughout day. All dkf pinged outside fence. No other findings. 1015 inspect water tank 1 and trenches unit 1 no findings 1100 inspect north laydown and follow up on spill from yesterday. Spill cleaned from yesterday. No other findings. 1130 inspect access road. Limited windblown litter noted. Some litter picked up. 1330 office. 1530inspect unit 1 and unit 2 water tank pads and parked water trucks. No ponding water observed. 1620 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		Minimal litter noted. Site looked good.
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 inside fence 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			12 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 11/2/2012

Monitor: Tim Skousen
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None
 High Temp (°F): 84 Low Temp (°F): 58

Start Time: 7:00:00 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: 0700 inspect access rd near guard.
 0800 Site orientation with E German
 0910 Tracked DTF with E German
 1445 Data entry record w E German
 1530 Departed 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: Red tail hawk

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 11/5/2012

Monitor: Eric German
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 90 Low Temp (°F): 62

Start Time: 7:00:00 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: 0700 inspect access road. 0710 informed of turkey vulture in power block 2. Vulture was flushed appeared healthy and normal. 0800 clear transmission line poles for fiber work. Some Dkf tracks noted. No sensitive species observed. Fiber crew did not arrive. 0900 inspect access road. 0920 inspect ditches unit two. No finding 0945 walk unit 1 perimeter. Fence intact. Noted some Dkf prints inside fence a western perimeter 1200 office. 1400 meeting. 1640 inspect water trucks and water tanks. No findings. 1710 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		Small amounts of wind blown 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 Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			Transmission line poles and access road shoulder cleared for fiber work.
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			6 flying
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Western meadowlark, brewers blackbird, raven, northern harrier, desert horned lizard

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 11/5/2012

Monitor: Gregg Lukasek
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 90 Low Temp (°F): 52

Start Time: 5:30:00 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: 5:30am surveyed access road for road kill. No road kill was observed.
 5:45am checked all three water tanks. No excessive pooling was observed.
 6:00 began kit fox telemetry and camera card changes.
 7:30am stopped telemetry and waited for construction crew to arrive.
 9:30am was notified that crew was not going to work today.
 10:00am removed a sidewinder from unit two.
 10:30am resumed kit fox telemetry and camera card changes.
 2:00pm finished telemetry and camera card changes.
 2:15pm downloaded camera cards.
 2:30pm began surveying the temporary tortoise fence in unit two.
 4:15pm finished surveying unit two fence. Fence is 100% intact.

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: Species observed: side blotched lizard, whiptail, zebra tailed lizard, desert iguana, sidewinder.



Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 11/6/2012

Monitor: Eric German
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 90 Low Temp (°F): 62

Start Time: 7:00:00 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: 0700 inspect access road. Some windblown litter noted and picked up. No other findings. 0715 clear access road shoulder prior to fiber optic work. No findings. 0800 tailgate JSA with fiber crew and bio. Discussed inspecting ground beneath vehicles for sensitive species. 0830 inspect power block 2. 0915 office. 1135 informed of roadrunner (bird) in unit 2. Bird appears healthy and normal. 1230 inspect unit 1 and vehicles parked for lunch no findings. 1245 and throughout day inspect water tank pads. Pads appear to be maintained. 1330 inspect access. No findings. 1400 meeting. 1500 south side unit 1 assist change tire. No findings. 1545 inspect powerblock 1. No findings. 1600 office 1645 inspect parked water trucks. No findings. 1700 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		Site looks good. Picked up some food litter along access road. Informed compliance. Compliance followed up with reminder at meeting
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 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 11/6/2012

Monitor: Gregg Lukasek
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 85 Low Temp (°F): 61

Start Time: 5:30:00 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: 5:30am began kit fox telemetry and camera card changes.
 7:30am stopped telemetry and camera card changes and began monitoring crew working along access road.
 1:30pm crew finished work along access road.
 1:45pm resumed kit fox telemetry and camera card changes.
 4:00pm finished kit fox telemetry.
 4:15pm downloaded camera cards

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: western whiptail, side blotched lizard, desert iguana, zebra tailed lizard



Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 11/7/2012

Monitor: Eric German
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None
 High Temp (°F): 87 Low Temp (°F): 63

Start Time: 7:00:00 AM Stop Time: 4:35:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

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

Activity Log: 0650 report of spill on access road outside the fence. Spill reported by compliance and receiving. 0710 located leaking vehicle. Fluid leaked was hydraulic fluid. Spill occurred on road and truck then parked in dirt area. Drips from parking cleaned. Fluid on access road, spray and drips. Poned area on access road cleaned. Impact limited to access road. Compliance working with contractor to mitigate spill. Biological resources do not seem impacted. 0900 remove and released desert horned lizard. 1000 inspect water tank pads throughout. Pads appeared maintained. 1100 inspect access road. No new findings 1230 restake and reflag guard shack area. 1400 meeting. 1500 inspect trenches and ramps unit 1. 1545 office. 1615 inspect access road. No new 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		Trash along access road.
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			Outside the fence fiber work
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 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 11/7/2012

Monitor: Gregg Lukasek
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None
 High Temp (°F): 87 Low Temp (°F): 54

Start Time: 5:30:00 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: 5:30am began kit fox telemetry and camera card changes.
 7:00am stopped telemetry work to document a hydraulic fluid spill on access road. Sukut crew was on hand performing clean up. Photos taken.
 7:30am cleared the work area along access road for Frontier crew to begin.
 7:45am began construction monitoring.
 2:45pm crew finished construction for the day.
 3:00pm resumed kit fox telemetry.
 4:30pm finished kit fox telemetry.
 4:45pm checked all three water tanks. No excessive pooling observed.

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		There was a hydraulic fluid spill on access road. A concrete truck fluid line caused the spill. Clean up was completed within thirty minutes of spill.
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: Side blotched lizard, zebra tailed lizard, whiptail, desert iguana, raven

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 11/8/2012

Monitor: Eric German
 Weather Conditions: Cloudy, Clouds: 75%, Pcp: Trace
 High Temp (°F): 77 Low Temp (°F): 64

Start Time: 7:15:00 PM Stop Time: 5:15:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

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

Activity Log: 0715 inspect access road. Removed KRat and disposed. Access road Spill from 11/07 swept by contractor evening of 11/07. No biological resources appear impacted. 0830 inspect water tank pads for ponding throughout day. Pads appear maintained and no water ponding noted. 0930 remove and release tarantula from admin area. 1000 remove and release tarantula unit 1 block 8 1020 report of road runner in powerblock 2. Bird was observed and appeared healthy. Bird appears to be fine. 1140 report of bat in roll up door if structure in north common area laydown area. Bat was flushed and flew away 1335 NW corner unit 1 pipe inspection. No findings. 1400 meeting. 1435 inspect for reported tarantula power block 2. Spider not found. Inspect ditch No other findings. 1540 office. 1620 inspect water trucks. No ponding observed. 1655 inspect access road. Speed limits appeared obeyed.

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?				Some litter on access road.
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			5 total; 4 flying 1 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 11/8/2012

Monitor: Gregg Lukasek
 Weather Conditions: Cloudy, Clouds: 85%, Pcp: Light
 High Temp (°F): 79 Low Temp (°F): 57

Start Time: 5:30:00 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: 5:30am began kit fox telemetry and camera card changes.
 7:15am stopped kit fox telemetry and cleared the access road and equipment for Frontier crew to work.
 7:30am began monitoring Frontier construction crew work along access road.
 10:45am crew finished construction along access road.
 11:00am resumed kit fox telemetry.
 1:30pm finished kit fox telemetry.
 1:45pm checked all three water tanks. No excessive pooling observed.
 2:00pm surveyed access road for road kill. No road kill was observed.
 2:30pm surveyed unit two for wildlife trapped in trenches or holes. No observations made.
 3:30pm surveyed unit two between rows if mirrors for dead birds. No dead birds were observed.

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
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Species observed: side blotched lizard, whiptail, zebra tailed lizard, desert iguana, raven, tarantula, turkey vulture.

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 11/9/2012

Monitor: Gregg Lukasek
 Weather Conditions: Cloudy, Clouds: 55%, Pcp: None
 High Temp (°F): 78 Low Temp (°F): 59

Start Time: 6:00:00 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: 6:15am began kit fox telemetry and camera card changes.
 9:30am finished kit fox telemetry and camera card changes.
 10:00am checked all three water tanks. No excessive pooling observed.
 10:15am in office downloading kit fox camera cards, training Tim on tap forms and uploading garmins with all data points.
 1:00pm searched unit one trenches and holes. No wildlife was observed.
 2:30pm searched unit two trenches and holes. No wildlife was observed.
 3:30pm surveyed access road for road kill. No road kill observed.
 4:00pm checked all three water tanks. No excessive pooling observed.

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			10 near plant site entrance.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Species observed: whiptail, zebra tailed lizard, desert iguana, side blotched lizard, sidewinder, raven.

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 11/9/2012

Monitor: Tim Skousen
 Weather Conditions: Partly Sunny, Clouds: 20%, Pcp: None
 High Temp (°F): 78 Low Temp (°F): 64

Start Time: 5:30:00 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: 05:30 surveyed access road to plant for roadkill survey - 1 sidewinder found and removed
 06:15 Checked materials receiving areas for sign of sensitive species
 07:30 Checked on-site water tanks for pooling
 08:45 Checked solar array for any wildlife activity and trenches for trapped wildlife
 10:20 Met with Gregg to review telemetry forms
 12:20 Checked solar arrays for any wildlife activity and on-site water tanks for ponding
 13:30 Sent monitoring form and departed 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 flying at plant site
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Incidental species: greater roadrunner; common raven; side-blotch lizard

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 11/12/2012

Monitor: Greg Lukasek
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None
 High Temp (°F): 68 Low Temp (°F): 40

Start Time: 5:30:00 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: 5:30am surveyed access road for road kill. No road kill was observed.
 5:45am began kit fox telemetry and camera card changes.
 7:30am stopped kit fox telemetry. Downloaded camera cards.
 7:45am waited for Frontier crew to arrive.
 9:15am met Frontier crew and had a tortoise awareness meeting. Cleared along the access road for the crew to begin.
 9:30am monitored construction along access road.
 12:30pm crew finished work along access road.
 12:45pm resumed kit fox telemetry.
 1:15pm began raven point count survey.
 2:00pm finished kit fox telemetry.
 4:30pm finished raven point count.

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: Species observed: raven, desert horned lizard, desert iguana, whiptail, tarantula.

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 11/13/2012

Monitor: Eric German
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 75 Low Temp (°F): 57

Start Time: 8:30:00 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: 0830 inspect access road throughout day. Removed and disposed 1 krat. Discussed fiber optic activities with fiber crew. No other findings.
 0940 inspect power blocks and water
 Tank pads throughout day no other findings. 1015 office 1100 remove and release tarantula from unit 2 block 3. 1200 inspect unit 1 west side. Picked up litter. No other findings. 1300 meeting. 1500 inspect unit 2 trenches, ramps in place. 1600 inspect access road OTF. No findings. 1620 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			N/A
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			Otf fiber optic installed
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 11/13/2012

Monitor: Greg Lukasek
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None
 High Temp (°F): 72 Low Temp (°F): 41

Start Time: 5:30:00 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: 5:30am began kit fox telemetry and camera card changes.
 7:30am stopped telemetry. Cleared access road work area for Frontier crew to begin work.
 7:45am monitored Frontier crew.
 10:00am Frontier crew finished working outside of the plant site. Stopped biomonitoring and resumed kit fox telemetry.
 11:00am finished kit fox telemetry and camera card changes.
 11:15am downloaded camera cards.
 11:30am checked all three water tanks. No excessive pooling observed.
 12:00pm surveyed temporary tortoise fence in unit one.
 2:15pm finished surveying fence. Unit one fence is 100% intact.
 2:30pm surveyed trenches and holes in unit one. No trapped wildlife observed.
 3:30pm checked all three water tanks. No excessive pooling observed.
 4:00pm surveyed unit two trenches and holes. No trapped wildlife observed.

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: Species observed: zebra tailed lizard, side blotched lizard, whiptail, desert iguana.

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 11/14/2012

Monitor: Eric German
 Weather Conditions: Partly Sunny, Clouds: 15%, Pcp: None
 High Temp (°F): 78 Low Temp (°F): 59

Start Time: 8:15:00 AM Stop Time: 5:05:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

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

Activity Log: 0815 inspect access road throughout day. Picked up some litter along access road no other findings. 0900 inspect water tank pads throughout day. Water tank pads were maintained 0930 noted small fuel spill near fuel transfer depot. Notified compliance. 1000 inspect permanent fence at western edge. Noted areas that require completion. Discussed with compliance and contract lead. Contractor is aware. No other findings. 1130 office. 1230 inspect trenches unit 1. No findings. 1345 report of tarantula. Tarantula had dispersed prior to arrival. 1400 meeting. 1500 inspect earlier reported fuel spill (0930) cleaned. 1530 inspect power block 1 area and trenches. No findings. 1600 inspect power block 2 area and unit 2 trenches. No findings. 1705 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			N/A
Trash and debris contained and disposed of in proper manner?		X		Site looks good only wind blown trash found. Personal trash along access road.
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			Observed vehicles appeared to be in compliance.
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 inside fence.
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: 2 flying, 1 perched on ground.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: American kestrel, tuvu, hola

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 11/14/2012

Monitor: Greg Lukasek
 Weather Conditions: Sunny, Clouds: 25%, Pcp: None
 High Temp (°F): 76 Low Temp (°F): 39

Start Time: 5:30:00 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: 5:30am surveyed access road for road kill. No road kill was observed.
 5:45am checked all three water tanks. No excessive pooling was observed.
 6:15am surveyed unit one trenches and holes. No trapped wildlife observed.
 7:30am surveyed rows of mirrors in unit two. No wildlife observed.
 8:30am began kit fox telemetry and camera card changes.
 12:30pm finished kit fox telemetry and camera card changes.
 12:45pm downloaded camera cards.
 1:15pm surveyed the temporary tortoise fence in unit two.
 3:30pm finished surveying the fence in unit two. The fence is 100% intact. Weekly fence check has been completed.
 3:45pm picked up trash along access road.

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: Species observed: zebra tailed lizard, whiptail, desert iguana.

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 11/15/2012

Monitor: Eric German
 Weather Conditions: Cloudy, Clouds: 100%, Pcp: None
 High Temp (°F): 67 Low Temp (°F): 60

Start Time: 8:30:00 AM Stop Time: 5:20:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

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

Activity Log: 0830 inspect access road throughout day. 0900 inspect unit 2 and unit 1 throughout day. Inspected water towers pads and trenches. Waterpads appear to be maintained. 0940 noted water pad 2 needed maintenance. 1000 waterpad maintained. No other findings. 1230 inspect sedimentation pond for planned discharge tomorrow. Working with compliance to get more information. 1320 Report of desert tortoise by a concrete driver along the south side of the access road approximately a one-half mile east of the plant site between the first two turnouts 1330 investigated report of desert tortoise along access road, 50' south between first two turnouts. Inspect/surveyed between first three turnouts. Did not locate desert tortoise and ended investigation at 1640.

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 old orange peels along access road. Site looks good.
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 desert tortoise. Surveys in area began immediately following report of tortoise. No findings.
Tortoise exclusionary fence and/or ramps intact?	X			Fence walk was completed Tuesday. Inspected grate. No findings.
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 ground.
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 11/15/2012

Monitor: Greg Lukasek
 Weather Conditions: Cloudy, Clouds: 75%, Pcp: None
 High Temp (°F): 66 Low Temp (°F): 49

Start Time: 5:30:00 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: 5:30am surveyed access road for road kill. No road kill observed.
 5:45am checked all three water tanks. No excessive pooling observed.
 6:15am surveyed unit one trenches and holes. No wildlife observed.
 8:45am removed kangaroo rat from unit two.
 9:00am began kit fox telemetry and camera card changes.
 12:45pm finished kit fox telemetry and camera card changes.
 1:00pm was told by a Largo concrete truck driver that he saw a desert tortoise on the south side of the access road between the first two turnouts closest to plant entrance. Surveyed the area for tortoise. No tortoise or tortoise sign was found.
 2:30pm downloaded kit fox camera cards.
 2:45pm resumed surveying for the tortoise.

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: Species observed: kangaroo rat, side blotched lizard, desert horned lizard, whiptail, zebra tailed lizard, tarantula.

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 11/16/2012

Monitor: Eric German
 Weather Conditions: Partly Sunny, Clouds: 15%, Pcp: None
 High Temp (°F): 69 Low Temp (°F): 49

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

Sites Monitored

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

Activity Log: 0550 inspect access road. Remove trash from side of road. 0605 survey for reported deto from yesterday, 11/16, east of plant site approximately 1/2 mile. No findings. 0845 office and coordinate water discharge monitoring. Discharge cancelled then rescheduled to later in day. 0945 inspect access road. No findings. 1010 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?				Picked up miscellaneous personal debris along access road
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 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 11/16/2012

Monitor: Greg Lukasek
 Weather Conditions: Partly Sunny, Clouds: 45%, Pcp: None
 High Temp (°F): 72 Low Temp (°F): 48

Start Time: 5:30:00 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: 5:30am surveyed access road for road kill. No road kill observed.
 5:45am checked all three water tanks. No excessive pooling observed.
 6:15am surveyed between rows of mirrors in unit two.
 6:45am began kit fox telemetry and camera card changes.
 7:00am surveyed for tortoise and tortoise sign along access road where a tortoise was observed yesterday.
 8:15am stopped surveying for tortoise and resumed kit fox telemetry.
 9:30am finished switching the camera cards and downloaded the photos.
 11:15am finished kit fox telemetry.
 11:30am surveyed along access road for tortoise. No desert tortoise or tortoise sign was observed.
 12:30pm searched for tarantula reported being observed in Unit one. Unable to locate tarantula.
 1:00pm resumed surveying for the tortoise. No tortoise or tortoise sign observed.
 2:00pm picked up trash along access road.
 2:30pm checked all three water tanks. No excessive pooling observed.
 2:45pm surveyed trenches and hills in unit one. No trapped wildlife observed.
 3:45pm surveyed between rows of mirrors in unit two. No wildlife observed.

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: Species observed: side blotched lizard, zebra tailed lizard, whiptail, raven, tarantula.

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 11/16/2012

Monitor: Tim Skousen
 Weather Conditions: Mostly clear, Clouds: 15%, Pcp: None
 High Temp (°F): 82 Low Temp (°F): 56

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: 07:15 Met w E German on site to discuss day's activities
 07:40 Did preliminary survey for sign of sensitive species in anticipation of water discharge event outside temp exclusion fence south of drainage canal in unit 1
 08:55 Inspected permanent exclusion fence on west side of unit one (not yet operational). There are functionality issues w this fence. See note below.
 10:45 Met w J Galvador and Chuck of Bureau Veritas to discuss water discharge. Monitored discharge.
 11:30 Departed to resume fence inspection
 12:20 Received call that discharge to resume. Departed.
 13:15 Monitored as water is discharged in south side drainage area, south of commons area. See note below.
 16:00 Stopped monitoring discharge. Finished report and pictures. Departed 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		Inspection of permanent fence on west side of unit one revealed several breaches where exclusion fence is supposed to meet footing. Further inspection/repair is advised.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			3 separate individuals in 3 sightings. 1 drinking from water discharge.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Standing water from planned discharge present at close of work activities today. Water flowed from 13:15 until about 16:00. Flow did not escape canal basin and did not pass into undisturbed area.

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 11/19/2012

Monitor: Eric German
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 76 Low Temp (°F): 50

Start Time: 6:15:00 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: 0605 inspect access road. No findings. 0630 clear water discharge area below new admin area. Water not discharged today. No findings. 0745 inspect temporary exclusion fence west and south side of Unit one. No findings. 0900 report of bees near new admin building Bees are honey bees moved barricade with bees away from work. 0930 throughout day check water tower pads. Pads appeared to be maintained. 1025 removed tarantula from unit 1 north laydown. 1045 removed 2nd tarantula from northern unit 1. 1130 report of tarantula unit 2 block 5. Spider could not be found. Upon arrival. 1300 and throughout day dkf monitoring. Note tire tracks approximately 1/2 mile north of access road and 4 miles east of site. They do not appear to be project related. 1330 report of bees in crates at unit 1 north laydown. Saw one honey bee. No other bees found. 1400 meeting. 1440 crew working on access road shoulder filling in voids caused by July 31 flood event. Crew was not monitored. Spoke with foreman and work was stopped immediately. 10 pole voids filled in. Tools used appeared to be shovels and boots. No biological resources appear impacted all work in previously disturbed non revegetated areas. Incident being further investigated. Had meeting with management and compliance discussed preventative resolutions

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		Work along access road shoulder.
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		Wind blown personal 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		Voids at of power poles were being filled
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 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 11/20/2012

Monitor: Eric German
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 79 Low Temp (°F): 51

Start Time: 6:15:00 AM Stop Time: 5:45:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

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

Activity Log: 0615 inspect access road, throughout day, removed and disposed 4 krat mortalities from road. Mo other findings. 0645 look at sedimentation pond discharge area (inside channel). No findings. 0655 check on bees south of new admin. bees still in barricade. 0700 meeting. 0830 morning meeting with fiber and monitor along north shoulder of western end of access road. Noted tire tracks from desert about 4.5 miles from plant site. Tracks came from north. They do not appear project related. 1045 walk perimeter fence unit 2 and check tortoise grate. Dkf prints noted inside fence se corner of unit 2. 1315 tarantula removed and released from laydown north of common area. 1400 meeting. 1445 complete perimeter tortoise exclusion fence inspection. Unit 1 north and east sides. Noted dkf scat near common area and dkf prints in areas north of unit 1 block 1 and 5. 1700 office. 1745 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		Picked up litter in unit 1 near northern permanent fence and along access road.
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			Monitored fiber crew
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 flying
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Say's phoebe, side blotched lizard, zebra tailed lizard.

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 11/20/2012

Monitor: Shelly Dayman
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 75 Low Temp (°F): 63

Start Time: 9:53:00 AM Stop Time: 2:17:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

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

Activity Log: 0955 arrived onsite, cleared area for fiber optic work along access road and monitored activity
 1145 drove length of access road and removed one road-killed krat
 1215 continued monitoring of fiber optic activity

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: Zebra-tail, coyote scat, kit fox tracks, Dipodomys merriami

Date & Time: Tue Nov 20 16:24:51 PST 2012
Position: 11 N 684054 3728198
Altitude: 358ft
Azimuth/Bearing: 277° N83W 4924mils (True)
Elevation Angle: -28.0°
Horizon Angle: -00.0°
Zoom: 1X
dkf prints unit 1 north of unit 1 block 1



Date & Time: Tue Nov 20 15:12:22 PST 2012
Position: 11 N 685847 3727227
Altitude: 358ft
Azimuth/Bearing: 272° N88W 4836mils (True)
Elevation Angle: -18.1°
Horizon Angle: -00.7°
Zoom: 1X
dkf scat in channel north of common area



Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 11/21/2012

Monitor: Eric German
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 79 Low Temp (°F): 54

Start Time: 6:10:00 AM Stop Time: 3:35:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

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

Activity Log: 0610 inspect access road, throughout day. No findings 0640 inspect bees west side of admin area honey bees reported to compliance. inspect water discharge area, sedimentation pond, south of common area and water tank, monitored 0700-1200. Checks on hourly basis. No issues to report. Dewatering stopped at 1200. 1215, dkf monitoring. 1320 check dewatering appears to be going down 1345 inspect powerblock 2 for bees. No findings. 1430 inspect unit 1 north side. Area near north fence had windblown debris cleaned. 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			N/A
Trash and debris contained and disposed of in proper manner?		X		Dumpsters covered. Some wind blown trash cleaned north of unit 1.
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			Observed vehicles obeying speed limit
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?			X	All activities inside fence.
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			100% fence check completed yesterday.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			5 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 11/21/2012

Monitor: Greg Lukasek
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None
 High Temp (°F): 76 Low Temp (°F): 47

Start Time: 5:15:00 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: 5:15am began kit fox telemetry and camera card changes.
 7:15am finished telemetry and camera card changes. GKBF003 and GKBF004 were not checked.
 7:20am downloaded camera cards.
 7:30am cleared along access road for fiber optic crew to begin work.
 7:45am began monitoring fiber optic crew.
 11:00am crew finished for the day. Finished monitoring.
 11:15am in office getting batteries for wildlife camera.
 11:30am checked all three water tanks. No excessive pooling observed.
 12:00pm surveyed access road for road kill. No road kill observed.
 12:30pm changed batteries at Guard den camera.

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
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Species observed: raven, side blotched lizard, zebra-tailed lizard.

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 11/26/2012

Monitor: Eric German
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 77 Low Temp (°F): 50

Start Time: 6:40:00 AM Stop Time: 5:05:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

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

Activity Log: 0840 inspect water discharge area from 11/21. Ponding water has minimized. Small puddle to east. No other findings. 0855, and throughout day, inspect powerblock 2 and water pad 2. Water pad 2 is not dispensing water. Area is dry. No other findings. 0910, and throughout day, inspect Powerblock 1 and water tank pad 1. Pad is being maintained. No findings. 0925, and throughout day, dkf monitoring duties. 1005 inspect water tank pad 0 throughout day. Water tank not on. No findings. 1100 inspect access road. No findings. 1230 water pad 2 still off. 1400 meeting. 1500 inspect south side of unit 1. No findings. 1600 inspect north side unit 1. Noted dkf prints in channel inside fence. 1640 observed traffic. Traffic appeared to be obeying speed limits and spacing

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	All digging work inside 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			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			Monitor cleared fiber crew work areas prior to any work.
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 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 11/26/2012

Monitor: Vick Germany
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None
 High Temp (°F): 77 Low Temp (°F): 57

Start Time: 5:15:00 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: 5:15 drove access road looking for roadkill. Observed 3 roadkill. Drove to office to pick up shovel & bucket.
 6:30 scrapped up and buried 3 roadkilled k-rats.
 7:00 meet Eric at Arizona Crossing and got a debrief on today's work plan.
 7:10 parked 10 poles ahead of fiber optic vehicles. Walked to vehicles checking the corridor for animals. None observed. Checked under vehicles and all clear.
 8:40 crew arrived. Checked under vehicles again. Walked 4 poles ahead of vehicles checking shoulder and bushes a few feet outside of the topsoil berm. While front vehicles are parked, walked about a 100 feet or so into the desert looking for wildlife. Also, picked up trash. Repeat process.
 11:00 - 11:30 lunch
 11:30 Walked 4 poles ahead of vehicles checking shoulder and bushes a few feet outside of the topsoil berm. While front vehicles are parked, walked about a 100 feet or so into the desert looking for wildlife. Also, picked up trash. Repeat process.
 12:10 pair of ravens flying to the west of the access road.
 1:30 fiber optic crew quit work. Saw a pair of ravens fly northwest and joined a soaring red-tailed hawk.
 2:15 met Shelly and Gregg and did kit fox, burrowing owl & badger surveys with them south of I-10.
 4:15 end

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			pair of ravens flying to the west of the access road. pair of ravens fly northwest and joined a soaring red-tailed hawk.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Pair of ravens flying to the west of the access road. Pair of ravens fly northwest and joined a soaring red-tailed hawk.

Date & Time: Mon Nov 26 16:07:52 PST 2012
Position: 11 N 685048 3728268
Altitude: 358ft
Azimuth/Bearing: 154° S26E 2738mils (True)
Elevation Angle: -33.5°
Horizon Angle: -10.4°
Zoom: 1X
dkf prints north ubit 1



Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 11/27/2012

Monitor: Eric German
 Weather Conditions: Partly Sunny, Clouds: 15%, Pcp: None
 High Temp (°F): 76 Low Temp (°F): 51

Start Time: 6:45:00 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: 0645 monitor access road throughout day. 0700 monitor known dkf along access road. 0830 inspect power block 2 and water tank 2 pad. Some ponding noted and then area was maintained in a timely manner 0900 meeting 1200 office 1300 inspect unit 1 and powerblock 1 no findings 1450 noted water discharge into sedimentation pond Ponding water resulted. Contractor stopped discharge. 1610 notified compliance of water discharge. 1630 inspected report of dkf prints at switchyard unit 2. Confirmed dkf prints. 1700 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			3 total; 1 perched in sedimentation pond. 2 flying.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: Red tailed hawk, American kestrel, prairie falcon.

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 11/27/2012

Monitor: Vick Germany
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None
 High Temp (°F): 79 Low Temp (°F): 54

Start Time: 5:30:00 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: 5:30 drove access road looking for roadkill. Scrapped up and buried two roadkilled k-rats.
 6:40 red-tailed hawk perched on a power pole along the access road.
 7:00 parked 6 poles ahead of fiber optic vehicles and walked shoulder and several feet to the outside of topsoil berm looking for wildlife. None observed. Walked in front of vehicles when they moved forward. Repeat process each time vehicles move forward. Picked up trash.
 9:05 one raven flying southeast.
 9:10 second raven flying southeast.
 10:00 loggerhead shrike calling from an ironwood tree a few hundred feet northeast of the access road.
 10:15 two northern harriers and one raven soaring together before one harrier broke off and the second one flew down towards the vegetation.
 11:30 - 12:00 lunch
 12:00 parked 6 poles ahead of fiber optic vehicles and walked shoulder and several feet to the outside of topsoil berm looking for wildlife. None observed. Walked in front of vehicles when they moved forward. Repeat process each time vehicles move forward. Picked up trash.
 2:00 one raven flying west.
 2:15 fiber optic crew stopped working for the day. Temp was 81.
 2:30 talked to Shelly & meeting her for surveys by the large transmission towers south of I-10.
 4:15 end surveys.

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			one raven flying southeast. 5 min later, second raven flying southeast. One raven flying with two northern harriers. one raven flying west.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: K-rat (a live one!), red-tailed hawk, northern harriers, loggerhead shrike, ravens

Date & Time: Tue Nov 27 16:28:42 PST 2012
Position: 11 N 686997 3726233
Altitude: 318ft
Azimuth/Bearing: 131° S49E 2329mils (True)
Elevation Angle: -50.7°
Horizon Angle: +03.5°
Zoom: 1X
dkf prints switchyard unit 2



Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 11/28/2012

Monitor: Eric German
 Weather Conditions: Partly Sunny, Clouds: 10%, Pcp: None
 High Temp (°F): 77 Low Temp (°F): 54

Start Time: 6:30:00 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: 0630 inspect access road and meet with monitors. 0830 notified by compliance of water discharge from tank test, monitored discharge throughout day. 1030 locate bees in laydown. Beekeeper has been notified by compliance. 1145 discussed fiber crew plans with fiber foreman. 1215 removed and released tarantula from powerblock 2. 1315 dkf monitoring throughout day. 1400 meeting. Discussed speeding and food litter from previous day. Contractors reminded of speed limits and litter. 1430 spoke with dewatering crew. Crew reported water to be turned off at 1530. 1500 inspect unit 1. No findings. 1545 noted pipe shavings. Met with contractor. Covered and to be cleaned in morning. No issue. 1600 notified of tarantula unit 2 block 9 Removed and released. 1730 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		Discussed debris left by pipe crew with foreman. Debris covered to prevent blowing away. To be removed.
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			Unit 1 perimeter inspected by bio.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			2 flying
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

Additional Notes: House finch migrating flock at sedimentation pond 1

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 11/28/2012

Monitor: Vick Germany
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None
 High Temp (°F): 75 Low Temp (°F): 46

Start Time: 5:45:00 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: 5:45 drove access road looking for roadkill. None found. Had a k-rat run across the road in front of vehicle but missed it and so did the two vehicles behind.
 6:45 male kestrel perched on a power pole along the access road.
 6:45 parked 6 poles ahead of fiber optic vehicles and walked shoulder and several feet to the outside of topsoil berm looking for wildlife. None observed. Walked in front of vehicles when they moved forward. Repeat process each time vehicles move forward. Picked up trash.
 7:10 meet Eric and discussed today's plan. Once fiber optic crew stops work, I'm to check the perimeter fence, either unit, depending on time.
 8:30 northern harrier flying low over the vegetation in a southwesterly direction.
 10:55 one of the concrete drivers stopped to report a tarantula in the road. Drove into plant site and turned around and headed back toward fiber optic crew. Saw what looked like a small pile of brown dirt in the road, which was about the size of the 'tarantula' as described by the driver.
 11:30 - 12:00 lunch
 12:00 parked 6 poles ahead of fiber optic vehicles and walked shoulder and several feet to the outside of topsoil berm looking for wildlife. None observed. Walked in front of vehicles when they moved forward. Repeat process each time vehicles move forward. Picked up trash.
 2:10 fiber optic fence crew stopped work for the day.

 2:30 surveyed (walked and drove) desert tortoise fence around Unit 1. Fence intact.

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: K-rat, male kestrel, northern harrier, sage sparrows, zebra-tailed lizard

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 11/29/2012

Monitor: Eric German
 Weather Conditions: Partly Sunny, Clouds: 10%, Pcp: None
 High Temp (°F): 77 Low Temp (°F): 50

Start Time: 6:15:00 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: 0615 monitored access road throughout day. No findings. 0745 sedimentation pond inspection. Still some standing water. No discharge. 0830 survey and monitor area of alternate access road from rain event removal. One desert unicorn plant noted. Flagged no impact. No other findings 0930 escort beekeeper to swarm north of common area. Swarm removed. 1100 monitor road removal. 1400 meeting. 1500 report of swarm of bees south of assembly building. Informed compliance and investigated. honey bees. To be checked again tomorrow. 1715 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			Cleared area of road removal and buffers.
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		alternate access road removal occurred in area with potential for desert unicorn. One plant found and flagged.

Additional Notes: N/A

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 11/29/2012

Monitor: Vick Germany
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None
 High Temp (°F): 79 Low Temp (°F): 52

Start Time: 5:30:00 AM Stop Time: 3:15:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

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

Activity Log: 5:30 drove access road looking for roadkill. None found. Had a black-tailed jackrabbit run across the road in front of vehicle but missed it and so did the vehicles on the other side of the road.
 6:20 peregrine falcon perched on power pole along access road.
 6:40 immature red-tailed hawk perched on power pole along access road.
 6:50 parked 6 poles ahead of fiber optic vehicles and walked shoulder and several feet to the outside of topsoil berm looking for wildlife. None observed. Walked in front of vehicles when they moved forward. Repeat process each time vehicles move forward. Picked up trash.
 8:15 one raven (calling) flying southeast and then turning westward.
 9:05 fiber optic crew stopped work for the week. Will return on Monday at 8:00 or 8:30.
 9:15 met Eric just inside the tortoise grate in the plant site. A loader is removing dirt from outside of the fence. A hole was cut into the fence so the loader could remove the dirt. Monitoring work. Loggerhead shrike calling from a nearby power pole.
 9:55 raven flew into plant site from the south and landed on a power pole. For the next hour, the raven would fly around the area by the poles, landing on a different pole each time.
 11:00 received a call from Gregg asking me to pick him up and take him to his truck. Talked to Chuck, BLM, and he would watch the work.
 11:10 on way to pick up Gregg, observed a raven on the ground between the road and topsoil berm. Flew off as the vehicle approached it.
 11:25 back at the work site inside the tortoise grate and told Eric about Gregg. Eric taking over monitoring and I am going to walk the fence after lunch.
 11:30 - 12:00 lunch
 12:00 walked fence around Unit 2. Fence intact. While walking, observed side-blotched lizards, house finch (dead), rock wrens, Say's phoebe. Buried house finch.
 3:15 picked up CORA instructions and put trash from the last four days in a barrel. Talked to Eric about tomorrow's activities.

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			one raven (calling) flying southeast and then turning westward. raven flew into plant site from the south and landed on a

				Xpower pole. For the next hour, the raven would fly around the area by the poles, landing on a different pole each time.
All ESAs and other bio-related exclusion areas marked and avoided?		N/A		
Additional Notes: Black-tailed jack rabbit, immature red-tailed hawk, peregrine falcon, raven, loggerhead shrike, side-blotched lizard, house finch (dead), rock wrens, Say's phoebe				

Date & Time: Thu Nov 29 12:59:00 PST 2012
Position: 11 N 670768 3725744
Altitude: 249ft
Azimuth/Bearing: 216° S36W 3840mils (True)
Elevation Angle: -87.2°
Horizon Angle: -69.5°
Zoom: 1X
kit fox tracks inside DT fence, Block 4 Unit 2.



Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 11/30/2012

Monitor: Eric German
 Weather Conditions: Partly Sunny, Clouds: 25%, Pcp: None
 High Temp (°F): 77 Low Temp (°F): 52

Start Time: 6:30:00 AM Stop Time: 6:15:00 PM
 Attachments: _____
 Photographs: _____

Sites Monitored

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

Activity Log: 0630 monitor / inspect access road 0645 dcf monitoring. 0900 meeting discussing access road shoulder repair. 1030 meet beekeeper for bee swarm removal Bees removed. 1130 inspected fire water discharge unit 1. Standing water noted. Reported to compliance and contractor. Standing water minimized 1230 pedestrian survey of access road for future tline. 1700 office. 1815 off site.

Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			Staking has begun for future access road work
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	All work inside fence 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			Perimeter fence check completed thursday, nov 29.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			2 flying.
All ESAs and other bio-related exclusion areas marked and avoided?			X	N/A

Additional Notes: Desert horned lizard.

Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 11/30/2012

Monitor: Vick Germany
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None
 High Temp (°F): 79 Low Temp (°F): 54

Start Time: 5:45:00 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: 5:45 drove access road looking for roadkill. Scraped up and buried one k-rat.
 6:30 met Tim so he could take data points off of the Garmin I have.
 7:00 began CORA surveys
 10:20 observed a leaking hydrant in Unit 1, north corner of Blocks 1 and 5. Took theodolite photo and sent o Eric, Mike, and Shelly via email. Also texted Eric and sent him photo. Eric reported and was minimized.
 10:35 as I was parking in the general employee parking lot to walk to CORA 5, observed two ravens on the ground, but they flew off low northward and lost sight of them.
 12:15 - 12:45 lunch
 12:50 monitoring ponded water in channel south of trailers in Unit 1. Flock (30+) of house finches in creosote bushes just south of the channel. After a few minutes, the flock flew down to one of the ponded areas. Flying back and forth between ponded area and desert tortoise fence/creosote bushes.
 1:35 checked hydrant (see 10:20 entry) and Laurens Springs just arrived along with a backhoe operator to clean up puddled water and to turn off hydrant. Texted Eric this information. Several house finches landed in the muddy area while the backhoe operator was working.
 1:50 checked ponded area in channel again. House finch flock up around 50+.
 2:00 pair of ravens landed in channel and drank water. One found something on the slope and carried it to the top of bank and started eating it. Could not identify it and moved closer but the raven flew off to the top of a power pole by the trailers and finished eating it.

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 ravens on ground in parking area, then flew low northward. pair of ravens landed in channel and drank water. One found something on the slope and carried it to the top of bank and started eating it. Could not identify it and moved closer - raven flushed
All ESAs and other bio-related exclusion areas marked and avoided?			X	N/A

Additional Notes: Northern harrier, house finches, ravens, kestrel

Date & Time: Fri Nov 30 12:58:07 PST 2012
Position: 11 N 685589 3726853
Altitude: 341ft
Azimuth/Bearing: 142° S38E 2524mils (True)
Elevation Angle: -85.0°
Horizon Angle: -49.4°
Zoom: 1X
tarantula



ATTACHMENT 4

SURVEY DATA FORMS

Genesis Solar - CORA Fixed Point Observation Summary Report (Part 1 of 2)



Monitor	Date	CORA Observation Point	Start Time	End Time	Minimum Visibility (m)	Maximum Visibility (m)	Wind Direction	Wind Speed (mph)	Precipitation	Temp. (°F)	Cloud Cover
Greg Lukasek	11/12/2012	R5. 685761 W, 3727662 N	1:13:00 PM	1:23:00 PM	5000	99999	Variable	3	None	68	5%
Greg Lukasek	11/12/2012	R3. 683684 W, 3727437 N	2:07:00 PM	2:17:00 PM	5000	99999	Variable	3	None	69	5%
Greg Lukasek	11/12/2012	R4. 683203 W, 3727508 N	2:24:00 PM	2:34:00 PM	5000	99999	Variable	3	None	69	5%
Greg Lukasek	11/12/2012	R2. 686736 W, 3726215 N	3:01:00 PM	3:11:00 PM	5000	99999	Variable	3	None	69	5%
Greg Lukasek	11/12/2012	R7. 686177 W, 3725504 N	3:25:00 PM	3:35:00 PM	5000	99999	Variable	3	None	69	5%
Greg Lukasek	11/12/2012	R6. 687910 W, 3726586 N	3:42:00 PM	3:52:00 PM	5000	99999	Variable	3	None	69	5%
Greg Lukasek	11/12/2012	R1. 691217 W, 3722767 N	4:11:00 PM	4:21:00 PM	5000	99999	Variable	3	None	69	5%
Vick Germany	11/30/2012	R1. 691217 W, 3722767 N	7:09:00 AM	7:19:00 AM	99999	99999	N	8	None	53	5%
Vick Germany	11/30/2012	R6. 687910 W, 3726586 N	7:32:00 AM	7:42:00 AM	99999	99999	-	8	None	53	5%
Vick Germany	11/30/2012	R2. 686736 W, 3726215 N	7:59:00 AM	8:09:00 AM	99999	99999	N	8	None	53	5%
Vick Germany	11/30/2012	R7. 686177 W, 3725504 N	8:30:00 AM	8:40:00 AM	99999	99999	SE	6	None	56	5%
Vick Germany	11/30/2012	R3. 683684 W, 3727437 N	9:20:00 AM	9:30:00 AM	99999	99999	SW	3	None	66	5%
Vick Germany	11/30/2012	R4. 683203 W, 3727508 N	9:46:00 AM	9:56:00 AM	99999	99999	SW	3	None	68	5%
Vick Germany	11/30/2012	R5. 685761 W, 3727662 N	10:47:00 AM	10:57:00 AM	99999	99999	S	6	None	71	10%

Genesis Solar - CORA Fixed Point Observation Summary Report (Part 2 of 2)



Monitor	Date	CORA Observation Point	Observation Time	Sex	Age	No. of CORA	Activity	Flight Direction (to)	1 st Distance Obs. (m)	Closest Distance Obs. (m)	Habitat & Perching Habitat	Audio Observation?	Visual Observation?	Observation Notes
Greg Lukasek	11/12/2012	R7. 686177 W, 3725504 N	3:25:00 PM	-	-	0	-	-	-	-	-	-	-	No CORA observed
Greg Lukasek	11/12/2012	R6. 687910 W, 3726586 N	3:42:00 PM	-	-	0	-	-	-	-	-	-	-	No CORA observed
Greg Lukasek	11/12/2012	R5. 685761 W, 3727662 N	1:13:00 PM	-	-	0	-	-	-	-	-	-	-	No CORA observed
Greg Lukasek	11/12/2012	R4. 683203 W, 3727508 N	2:24:00 PM	-	-	0	-	-	-	-	-	-	-	No CORA observed
Greg Lukasek	11/12/2012	R3. 683684 W, 3727437 N	2:07:00 PM	-	-	0	-	-	-	-	-	-	-	No CORA observed
Greg Lukasek	11/12/2012	R2. 686736 W, 3726215 N	3:01:00 PM	-	-	0	-	-	-	-	-	-	-	No CORA observed
Greg Lukasek	11/12/2012	R1. 691217 W, 3722767 N	4:11:00 PM	-	-	0	-	-	-	-	-	-	-	No CORA observed
Vick Germany	11/30/2012	R5. 685761 W, 3727662 N	10:47:00 AM	-	-	0	-	-	-	-	-	-	-	No CORA observed.
Vick Germany	11/30/2012	R4. 683203 W, 3727508 N	9:46:00 AM	-	-	0	-	-	-	-	-	-	-	No CORA observed.
Vick Germany	11/30/2012	R3. 683684 W, 3727437 N	9:20:00 AM	-	-	0	-	-	-	-	-	-	-	No CORA observed.
Vick Germany	11/30/2012	R7. 686177 W, 3725504 N	8:30:00 AM	-	-	0	-	-	-	-	-	-	-	No CORA observed.
Vick Germany	11/30/2012	R2. 686736 W, 3726215 N	7:59:00 AM	-	-	0	-	-	-	-	-	-	-	No CORA observed.
Vick Germany	11/30/2012	R6. 687910 W, 3726586 N	7:32:00 AM	-	-	0	-	-	-	-	-	-	-	No CORA observed.
Vick Germany	11/30/2012	R1. 691217 W, 3722767 N	7:09:00 AM	-	-	0	-	-	-	-	-	-	-	No CORA observed.

ATTACHMENT 5
CORRESPONDENCE

Not Applicable for November Monthly Compliance Report

Appendix C

Haz-6

Worker Environmental Awareness Program Training

22

Genesis Site Safety Orientation / WEAP

	Signature	Print Name	Company	
1		Will Nicholas	Sukut	
2		ALFREDO Jimenez	Sukut	11-5-12
3		Rafael Gilbert	Sukut	11-5-12
4		JESUS Melendez	Sukut	11-5-12
5		Mike Moya	Sukut	11-5-12
6		Ramon Gilbert	Sukut	11-5-12
7		ALFREDO Jimenez	Sukut	11-5-12
8		Dan Jensen	Hanson	11-5-12
9		Vicente Calderin	Sukut	11-7-12
10		Ramon	Kanab	11-7-12
11		Ernesto Alcaraz	D&E construction	11-15-12
12		Luis V. MORA	D&E consty.	11-15-12
13		GERARDO GUERRA	D&E constru.	11-15-12
14		Jose Luis Rojas	D & E const.	11-15-12
15		Paul Ventura	D & E Const	11-15-12
16		Jose To Ledesma	D&E const	11-15-12
17		Roberto Martinez	D&E Constru.	11-15-12
18		Jose Diego	D & E const	11-15-12
19		Ryan McCallum	D&E Const.	11-15-12
20		Octavio Tamayo	D & E CONST	11-15-12
21		Dan Jensen	Geologic Associates	11-19-12
22		DENNIS YEOMAN	SUKUT	11-19-12
23				
24				
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Genesis Site Safety Orientation / WEAP

	Signature	Print Name	Company	Date
1		ANTHONY ACEITA	LARGO	9-25-12
2				
3		FRANCISCO CAMPOS	LARGO	9-25-12
4		Ryan Cowan	Penhall	10-1-12
5		Chris Gilliland	Anderson Drilling	10-3-12
6		Michael Super	A.P. Mix	10-4-12
7		Antonio Espinoza Escobar	Largo	10-8-12
8		Jorge Rodriguez	Largo	10-8-12
9		José Enrique Ortega	Largo	10-8-12
10		Arturo Valenzuela	Largo	10-9-12
11		David Reed	Largo	10-19-12
12		Jerry Muller	Largo	10-22-12
13		Odie Jordan	Largo	10-22-12
14		Arnulfo Romero	LARGO	10-22-12
15		José Romero	LARGO	10-22-12
16		J. Tamboni	Associated	10-23-12
17		Daniel Rodriguez	LARGO	10-30-12
18		MARTIN RIZO	LARGO	10-30-12
19		Robert Salgado	LARGO	11-13-12
20		JOSÉ RAMÍREZ	LARGO	11-13-12
21		Max Salgado	Largo	11-13-12
22		Somme DELAMADRID	LARGO	11-13-2012
23				
24				
25				
26				
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28				
29				
30				
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32				
33				
34				
35				

} NOV. 2012

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Genesis Site Safety Orientation / WEAP

	Signature	Print Name	Company
1		John Pippin	USA Tank
2		Brenton Handly	USA Tank
3		Tommy Weldon	USA Tank
4		Dillon Williams	USA Tank
5		Michael D. Hageman	USA Tank
6		Matt B. Dismore	UIG
7		James E. Smith	UIG
8		Berry Nicholas	USA TANK
9		Tyler Bacon	USA Tank
10		Jeremy Evans	USA Tank
11		Etene Etene	USA Tank
12		Brad Littlefield	USA Tank
13		Mike Dake	USA Tank
14		Colby Wolfe	USA TANK
15			
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Genesis Site Safety Orientation Oct.-Nov. 2012 / WEAP

Signature	Print Name	Company	Date
1	Hector L. Salgado B.	Newtron	10-31-12
2	RANDY PETERSEN	NEUTRON	11-5-12
3	VENDE T. HORSEN	NEUTRON	11-7-12
4	Eddie Newland	Newtron	11-7-12
5	Salvador Mojica J	Newtron	11-7-12
6	Joseph Ramirez	Newtron	11-7-12
7	Andres J Shubin	Newtron	11-7-12
8	MARC TAYLOR	Newtron	11-13-12
9	Sam Stewart	Newtron	11-13-12
10	Charles Lumpkin	Newtron	11-13-12
11	RALEIGH PREWITT	NEUTRON	11-13-12
12	Clinton B. Squire	Newtron	11-13-12
13	Angel A Pineda Jr	Newtron	11-13-12
14	Larry Garcia	Newtron	11-13-12
15	ANGEL MIRAMONTES	BRAND	11-14-12
16	AUMELIO GARCIA	BRAND	11-14-12
17	SANTIAGO BRAND	BRAND	11-14-12
18	RAE SANCHEZ V	BRAND	11-14-12
19	DION WILLIAMS	BRAND	11-14-12
20	RAY RENNICKER	BRAND	11-14-12
21	UOE OROZCO C	BRAND	11-14-12
22	DANIEL JONES JR	NEUTRON	11-14-12
23			
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Genesis Site Safety Orientation / WEAP

ARB Inc.

Month: November 2012

Signature	Print Name	Company	Date
1: <i>Scott Funk</i>	Scott FUNK	ARB	10-29-12
2: <i>James Jordan</i>	James JORDAN	ARB	10-29-12
3: <i>Warren Carpenter</i>	WARREN CARPENTER	ARB	10-29-12
4: <i>Mike Valdez</i>	Mike VALDEZ	ARB	10-29-12
5: <i>Joshua Dill</i>	JOSHUA DILL	ARB	10-29-12
6: <i>Charles Hicks</i>	Charles HICKS	ARB	10-29-12
7: <i>David S Bennett</i>	DAVID S BENNETT	ARB	10-29-12
8: <i>Robert McGinnis</i>	ROBERT MCGINNIS	ARB	10-29-12
9: <i>Robert Carlotti</i>	ROBERT CARLOTTI	ARB	10-29-12
10: <i>Tasar LaCroix</i>	Tasar LACROIX	ARB	10-29-12
11: <i>Alfred Waman</i>	Alfred WAMAN	ARB	10/29/12
12: <i>Wayne Hill</i>	WAYNE HILL	ARB	10-29-12
13: <i>Paolo Maturo</i>	Paolo MATURO	ARB	10/29/12
14: <i>ARNER ESTRADA</i>	<i>Arner Estrada</i>	ARB	11/6/12
15: <i>Kenny Burnett</i>	Kenny BURNETT	ARB	11-08-12
16: <i>Gregory Peck</i>	Gregory PECK	ARB	11-8-12
17: <i>Oswaldo Mayra</i>	OSWALDO MAYRA	ARB	11-08-12
18: <i>Charles L. Blount</i>	Charles L. BLOUNT	ARB	11-08-12
19: <i>George Bennett</i>	George BENNETT	ARB	11-08-12
20: <i>John E. Kaenzle</i>	John E. KAENZLE	ARB	11-08-12
21: <i>Jeremy A. Kaenzle</i>	Jeremy A. KAENZLE	ARB	11-08-12
22: <i>Mitchell Hunter</i>	Mitchell HUNTER	ARB	11-08-2012
23: <i>Andrew Dowdell</i>	Andrew DOWDELL	ARB	11-13-12
24: <i>Michael J. Beecher</i>	Michael J. BEECHER	ARB	11-13-12
25: <i>Edward Roebber</i>	EDWARD ROEBBER	ARB	11-14-12
26: <i>Casey Cowen</i>	Casey COWEN	ARB	11-14-12
27: <i>Elton Pinkington</i>	Elton PINKINGTON	ARB	11-14-12
28: <i>Raniero Luno</i>	Raniero LUNO	ARB	11-14-12
29: <i>Amy Chauncy</i>	Amy CHAUNCY	ARB	11-15-12
30: <i>Danny Cooney</i>	Danny COONEY	ARB	11-19-12
31: <i>Jason Shugarik</i>	Jason SHUGARIK	ARB	11-19-12
32: <i>Jesus Gutierrez</i>	JESUS GUTIERREZ	ARB	11-19-12
33: <i>Vincent Parkes</i>	Vincent PARKES	ARB	11-19-12
34:			
35:			

Appendix D

Civil-1

Schedule of Facility Design Submittals; Master Drawing and Master Specifications

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, location information is secured and held under confidential cover

MCR for Cultural Resources

CUL-7: Worker Environmental Awareness Program (WEAP)

Requirement: Submit past 30 days of training records

Workers Environmental Awareness Program

Every Person employed or present on the ROW, including specialty subcontractor personnel, has been instructed in environmental compliance through the Workers Environmental Awareness Program, which includes a training video and verbal instruction. In each case the new employee has signed a roster providing proof of his/her participation and received a hard-hat sticker to provide job-site training verification.

CUL-8: Construction Monitoring Program

Requirement: Submit report of any noncompliance.

There were no compliance issues this month.

Construction activities were monitored along parts of the main access road, in portions of Unit 1 and in Unit 2. Construction activities monitored included cut and fill activities, scarification/soil preparation, drilling, and various trenching activities on site. A total of 21 artifacts were found in all construction areas during the month of November. All twenty-one of these were recorded as new isolated finds. The details and locations of these findings were submitted to the CEC under confidential cover.

CUL-13: Flag and Avoid

Requirement: Submit compliance documentation regarding flagging inspections.

All flagged areas are inspected weekly.



ENVIRONMENTAL CONSULTANTS

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

November 30, 2012

RE: PAL-5, Summary of paleontological monitoring and mitigation activities at the Genesis Solar Energy Project for the period of November 1, 2012, through November 30, 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 from November 1 to November 30, 2012. One SWCA Paleontological Resources Monitor (PRM) was onsite full-time during all grading and excavation activities exceeding 1.5 feet in depth within Unit 1 Solar Blocks 1, 2, 3, 5, and 7, and Unit 2 Solar Blocks 2, 4, 8, 9, and 10, Power Blocks 1 and 2, and the Evaporation Ponds. All paleontological monitoring occurred in Quaternary alluvium.

During the course of monitoring in November, only one fossil locality (BAS-121113-01) was observed and recorded. The locality included an isolated fragment of turtle shell, which was deemed non-significant by the PRM and PRS and was therefore not collected. No issues or concerns regarding paleontological resources were identified during the month of November. It is a pleasure working with you on this project. If you have any questions please do not hesitate to contact me.

Respectfully,

A handwritten signature in black ink, appearing to read "Cara Corsetti". The signature is fluid and cursive.

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

Locality Number	Date	Taxon	Element	Found by	ID By	Collected (Y/N)	Reason ([Non]Significant Fossil Occurrence)
BAS-121113-01	11/13/2012	cf. <i>Gopherus</i>	Carapace fragment	B. Scherzer	B. Scherzer	N	Fragmentary

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

Safety, Environmental and Compliance Summary Safety

The Project Safety Man-Hours captured are as follows:

158,245	Man hours logged this month
1,006,056	Man hours logged during 2012
1,125,738	Job total man-hours

Project total RIR 1.06
2012 RIR 0.79

One 1st Aid case was reported for the month:

- 1st Aid 11-6-12, BPC employee cut his thumb on exposed glass while mounting a Schott Tube onto a solar collector unit in the field. The glass sprue/vacuum indicator broke during final adjustment of the tube and cut through the employees cut resistant glove. The employee received first aid and returned to work.

The GSEP Safety Professionals continued weekly cross audit "Job Walks".

Contractor Safety Audits were completed and actioned.

Contractors held Weekly All Hands Safety Meetings with agenda and documented attendance.

The Genesis Project Safety Committee met weekly.

3rd party audits continued from Bureau Vertis weekly.

The total Safety Orientations/WEAP training for the month 176.

Weekly Focus Topics were:

- Near Miss Reporting
- Air Compressor Safety
- Rigging Safety
- Spotters and Backing



Make the RIGHT Choice

November 5, 2012

Handling Compressed Gas Cylinders

Using, storing and handling compressed gas cylinders expose individuals to two types of hazards. The first hazard is the contents (corrosive, toxic, flammable, etc.) The second hazard is the fact that gases in the cylinder are under pressure. Mishandled cylinders may rupture violently, release their hazardous contents or become dangerous projectiles.

Employees need to be trained on the safe handling and storing procedures for cylinders. The following information can help you stay safe:

- Read the cylinder label to identify contents as cylinder color is not always an identifying factor.
- Read the MSDS and know the safety and first-aid requirements for the contents.
- Identify the hazards associated with the contents and take the precautions listed on the label/MSDS.
- Remove unlabeled cylinders from service.
- Do not expose a cylinder to spark-producing tools, cigarettes or open flames.
- Cylinders must be secured at all times to prevent falling over.
- Always store cylinders in an upright, secured position and in a well-ventilated area.
- Cylinder caps should be secured when moving, whether it is full or empty.
- Do not attempt to make repairs to cylinders or valves.
- Do not use cylinders that are dented, cracked or have other visible damage.
- Do not use cylinders as rollers.
- Do not drop cylinders or allow them to bump violently against each other.
- Inspect the cylinders, making sure they do not have an expired hydrostatic pressure test date.
- Do not use grease or oil on oxygen cylinders and do not use greasy or oily gloves on oxygen cylinders.
- Do not store a cylinder where it will be exposed to weather extremes.
- Store flammable gas cylinders separate from oxygen cylinders.
- Do not store flammable gas cylinders near exits or escape routes.



MANAGEMENT REQUIREMENTS OF UNIVERSAL WASTE AEROSOL CANS

All handlers of universal waste aerosol cans must comply with the requirements of HSC Section 25201.16.

Containment Requirements:

Accumulate and transport universal waste aerosol cans in containers that are structurally sound, compatible with the contents of the can, and show no evidence of leaks, spills, or damage that would cause leaks;

Keep the accumulation containers closed, except when waste is being added or removed;

Place accumulation containers in a location with sufficient ventilation;

Place containers of processed cans and the unit used to process aerosol cans above a non-earthen floor that is free of cracks or gaps and is sufficiently impervious and bermed to contain leaks and spills;

Keep containers of flammable waste a safe distance from heat and open flames;

Place aerosol cans in containers that are designed, built and maintained to withstand pressures reasonably expected during storage and transportation;

Label containers of universal waste cans with one of the following phrases: "Universal Waste-Aerosol Cans," "Waste Aerosol Cans," or "Used Aerosol Cans."

Segregate incompatible materials in separate containers;

Sort cans by type and compatibility of contents.

It is unlawful to puncture aerosol cans and dispose of them in the trash. The State of California is specific in this regulation.

November 12, 1012

Use Care with Compressed Air

A mechanic with a small cut on his hand washed some machine parts in a solvent. To dry them, he held the parts in a compressed air stream. A few minutes later he told his supervisor he "felt like his body was going to explode!"

With such unusual symptoms, the injured worker was rushed to a hospital. Doctors decided that the compressed air had penetrated the cut on his hand and had forced air bubbles into his blood stream. Although the mechanic recovered from his self-inflicted injury, his mistake could have been fatal if an air bubble had reached his heart.

Injuries caused by the misuse of compressed air have occurred since this energy source was developed. In fact, compressed air is used so much that too many of us take it for granted, ignoring the hazards involved in its use.

In addition to the danger of air bubbles entering the bloodstream through a cut, a stream of compressed air can damage an eardrum or eye or inflate a part of the body.

Many people blow dust and dirt from their clothing, body or hair with compressed air. Even if the pressure is as low as 20 to 25 psi, when directed toward openings in the skin or body, air can penetrate causing serious injuries.

To prevent accidental injury when working with compressed air, here are several precautions to follow:

- Avoid using compressed air for any type of cleaning.
- Before operating an air hose, examine all connections to make sure they are tight and will not come loose under pressure; make sure all whip checks are secure and fastened to both sides of all connections; hold the nozzle when turning the air on or off.
- Don't kink the hose to stop the air flow; always turn off the air at the control valve.
- Check the air hose carefully to make sure it is in good condition before opening the valve to let air into the hose; when the job is finished, turn off the valves on both the tool and the air-line.
- Keep air hoses out of aisle ways where they can be damaged by traffic or be a tripping hazard.
- Never point a compressed air hose nozzle at any part of your body or at another person; never use compressed air for a practical joke. There have been cases in which a blast of air playfully directed behind a worker startled him, and caused him to fall against moving machinery.
- Before turning on the air pressure, make sure that dirt from the machinery being cleaned will not be blown onto other workers; to prevent dirt from flying about, cover the equipment with canvas; only the operator should be in the immediate cleaning area.



Make the RIGHT Choice

The operator and any other workers who must be in the immediate cleaning area must wear eye protection and other necessary personal protective equipment.



Make the **RIGHT** Choice

November 19, 2012

Rigging Safety

If you were to ask most construction workers their definition of rigging, their answer would probably involve cranes. In fact, rigging goes far beyond the boom of a crane. Rigging is not just limited to moving things around a jobsite; it also involves restraining, suspending, pulling and lifting. In this focus we would like to address the importance of safe rigging and to identify some common safety guidelines to follow when engaged in rigging operations. Inspection of your rigging apparatus and the component parts are two of the most important steps of a safe rigging operation. Most accidents involving cranes and other rigging operations occur when the load is unexpectedly released. This happens when the rigging cannot support the load and gives way or when the load has not been properly secured. Prior to using slings or any other type of rigging it is critical to know that it is the appropriate rigging for the particular job and that the parts are in good condition. You should always examine your rigging to ensure that:

- Wire ropes are free from any excessive amount of broken wires in each lay.
- Wire ropes are free of kinking, crushing, bird caging or any other damage to the structure.
- Wire ropes are not damaged from heat sources or other corrosive exposures.
- End attachments are not cracked, deformed or excessively worn.
- Chains are free of stretching, bending and kinking.
- Chains do not show obvious damage of rust, nicks, gouges, pitting or corrosion.
- Chain links are not locked and have free movement.
- Nylon and other synthetic type components are free of rips tears and abrasions.
- Hooks have not been excessively opened or twisted beyond the limitations set forth in the OSHA standards.

Accidents involving rigging operations just don't have to happen. They can be avoided simply by checking your rigging prior to each use and regularly thereafter. Be certain to remove any defective parts from service. You have heard the saying a chain is only as strong as its weakest link and a rope as its weakest kink. Don't take chances with rigging. Know what can happen and guard against it.

Good Electrical Crimping Practices

The purpose of the crimp is to provide a secure connection with maximum contacting surface between the conductor and the lug to allow for maximum current-carrying capacity. The crimp should also minimize voltage drop and minimize the factors that will degrade the connection over the long term.

The basic steps for making a crimped connection are:

1. Inspecting parts and tools

Both lugs and conductors should be visually examined for quality defects before making a crimped connection. The lugs should be clean, free of burrs and sharp edges, and have no plating blisters, pits, cracks, or peels. The crimping tool and die used should be as specified by the manufacturer for the specific lug. The tool die or shape-forming part should be checked for wear.

2. Cutting and stripping the conductor

3. Inserting the lug into the crimping tool

4. Inserting the conductor into the lug barrel

5. Applying pressure on the crimping tool to close the lug barrel

6. Inspecting the crimped connection





Make the RIGHT Choice

November 26, 2012

Spotter Usage

Our site has a variety of vehicles and equipment. Although the site is fairly large there are many instances where we must navigate equipment through tight conditions. Whenever moving a vehicle in a direction with an obstructed view, or if the vehicle has extended components (such as a boom on a crane) a spotter will be used. Blind backing is inherently dangerous since materials, employees and other obstacles are expected to be encountered nearly everywhere.

Good practice dictates that backing of vehicles should be avoided, whenever possible. Routes of travel should be planned and easy exit parking spaces selected to avoid backing. As this is not always practical, the following responsibilities should be followed to avoid an incident:

Driver Responsibilities:

- If a spotter is impractical be sure to conduct a walk around of the vehicle prior to backing, as conditions constantly change and materials at low heights may be hard to see.
- Bring the unit to a complete stop. Never be in a hurry when backing or moving vehicles.
- Make visual and verbal contact with the spotter. If you cannot see or hear the spotter, do not backup!
- When backing, the driver and spotter must establish and continue eye contact in the left rear view mirror at all times. The driver shall immediately stop if he or she loses sight of the guiding employee and shall exit the vehicle to establish the spotter's location.
- The spotter shall use hand signals to indicate it is safe for movement in a certain direction. Verbal commands alone are not adequate.
- A good practice for the driver to follow is to give a two blast warning on the horn just prior to backing.
- When parking a vehicle that later must be backed, the operator may place a cone behind the vehicle to maintain clearance and serve as a reminder to check behind the vehicle before backing.

Spotter Responsibilities:

- Conduct a walk around and survey the backing area and all other sides of the vehicle checking for hazards. Before proceeding to back unit, being sure to also check the overhead clearance.
- Communicate any observed hazards to the driver.
- Place yourself eight to ten feet to the left rear of the unit.
- Establish visual and verbal contact with the driver and continue eye to eye contact. When backing, continue eye to eye contact in the left rear view mirror at all times.
- Stop the driver if any hazards are observed or if you are uncertain of the direction that the driver is maneuvering.

Rotating Machine Alignment - SOFT FOOT



Soft foot is the flexing or bending of the frame foot when it is tightened to the base. Any gap that exists is reduced with this tightening, and forces are applied to the frame or casing. These forces result in casing deformation and some interaction between the stationary and rotating parts of the machine. It is common to measure soft foot by mounting an indicator on the machine base so that the stem is on top of the foot, but this method has numerous drawbacks. Depending on how the foot is bent, the indicator can under indicate the soft foot or even read zero when there is significant soft foot. This will leave the machinery installer with the mistaken idea that the bolt and foot are okay, when, in fact, harmful distortion exists in the machine frame. A much more indicative value can be obtained from measurements taken at the shaft. If the bearings did not move when the hold-down bolts were tightened, then there was little or no machine frame distortion and certainly not enough to influence the rotor. A high-resolution laser system can be used for gauging the amount and effect of the soft foot, but it cannot determine the cause or the corrective action. These systems display a soft foot index that is an absolutely reliable indication of soft foot. They do not display the correction for the amount of soft foot detected.

Job/BU#	Union	A/B#	Name	Job Site	Pay Status	Date Started	Job Type/Description	Training Course/Description	Required Course	Required Missing	Date Course Taken
664			39824 Denne, Brandon C		0	5/22/2006	OPS801	Construction Mgr	SF0025		First Aid (3 yr)
664			46258 Hansen, Kendal C		0	6/15/2009	OPS050	Project Engineer	SF0025		First Aid (3 yr)
664			43374 Koser, Keith A		0	8/30/2010	OPS050	Project Engineer	SF0025		First Aid (3 yr)
664			39949 Mann, Gary A		0	6/19/2006	OPS101	Site Safety Coordinator	SF0025		First Aid (3 yr)
664			43374 Koser, Keith A	2005305G	0	8/30/2010	OPS050	Project Engineer	SF0033		1st Aid (2 yr.)
664			22960 Lange, Eric A	675	0	4/21/1997	OPS201	Supt Structures	SF0033		1st Aid (2 yr.)
664			53473 Skebeck, Matthew G	664	0	5/1/2012	OPS101	Site Safety Coordinator	SF0033		1st Aid (2 yr.)
664			44847 Westrum, Jeremiah D	2005305G	0	4/11/2011	OPS050	Project Engineer	SF0033		1st Aid (2 yr.)
664			43374 Koser, Keith A	2005305G	0	8/30/2010	OPS050	Project Engineer	SF0031		CPR (2 yr.)
664			22960 Lange, Eric A	675	0	4/21/1997	OPS201	Supt Structures	SF0031		CPR (2 yr.)
664			53473 Skebeck, Matthew G	664	0	5/1/2012	OPS101	Site Safety Coordinator	SF0031		CPR (2 yr.)
664			44847 Westrum, Jeremiah D	2005305G	0	4/11/2011	OPS050	Project Engineer	SF0031		CPR (2 yr.)
664			39824 Denne, Brandon C		0	5/22/2006	OPS801	Construction Mgr	SF0027		Adult CPR (3 year)
664			46258 Hansen, Kendal C		0	6/15/2009	OPS050	Project Engineer	SF0027		Adult CPR (3 year)
664			43374 Koser, Keith A		0	8/30/2010	OPS050	Project Engineer	SF0027		Adult CPR (3 year)
664			39949 Mann, Gary A		0	6/19/2006	OPS101	Site Safety Coordinator	SF0027		Adult CPR (1 year)
664			43374 Koser, Keith A	2005305G	0	8/30/2010	OPS050	Project Engineer	SF0032		AED (2 yr.)
664			22960 Lange, Eric A	675	0	4/21/1997	OPS201	Supt Structures	SF0032		AED (2 yr.)
664			53473 Skebeck, Matthew G	664	0	5/1/2012	OPS101	Site Safety Coordinator	SF0032		AED (2 yr.)
664			44847 Westrum, Jeremiah D	2005305G	0	4/11/2011	OPS050	Project Engineer	SF0032		AED (2 yr.)
664			39824 Denne, Brandon C		0	5/22/2006	OPS801	Construction Mgr	SF0028		AED (3 year)
664			43374 Koser, Keith A		0	8/30/2010	OPS050	Project Engineer	SF0028		AED (3 year)
664			39949 Mann, Gary A		0	6/19/2006	OPS101	Site Safety Coordinator	SF0028		AED (3 year)

List of CPR and First Aid Trained Personnel

Name	Date of Training	Expiration of Training
Josh Heckman	6/7/2012	6/7/2014
Jeremy Teague	6/7/2012	6/7/2014
Orlando Castillo	6/7/2012	6/7/2014
James Thayer	6/7/2012	6/7/2014
Paul Granger	6/7/2012	6/7/2014
Todd Johnson	6/7/2012	6/7/2014
Jeff Felter	6/7/2012	6/7/2014
Robert Clifford	6/7/2012	6/7/2014
Gary Dedmon	6/7/2012	6/7/2014
Charlie Brown	6/7/2012	6/7/2014
Kory Knisley	6/7/2012	6/7/2014
Jason Campbell	6/7/2012	6/7/2014
Kevin Kilpatrick	6/7/2012	6/7/2014
Dan Woodring	6/7/2012	6/7/2014
Jake Sibole	6/7/2012	6/7/2014
Steve Burt	6/7/2012	6/7/2014
Juan Fernandez	6/7/2012	6/7/2014
David Lauer	6/7/2012	6/7/2014
Frank Leyvas	6/7/2012	6/7/2014
Mick Jungels	6/7/2012	6/7/2014
Mike Rodriguez	6/7/2012	6/7/2014
Randy Moore	6/7/2012	6/7/2014
Marty Fleming	6/7/2012	6/7/2014
Russell Rose	6/7/2012	6/7/2014
Moises Padilla	6/7/2012	6/7/2014
Andrew Hernandez	6/7/2012	6/7/2014
Miles Jeffrey	6/7/2012	6/7/2014
Brandon Hickenbottom	6/7/2012	6/7/2014

List of Trainers

Alex C. Ruano	CPR & First Aid Trainer-AED Trained
Abner Estrada	CPR & First Aid Trainer-AED Trained
Mike Jaquez	EMT-AED Trained



First Aid/CPR Trained

<u>NAME</u>	<u>Date Certification Expires</u>
Gordon Stauffer	07/02/2013
Hector Salgado	01/06/2015
Andrew Park	09/14/2013
Vince Thorson	01/13/2014
Jeff Miller	08/07/2013
Hobart Cress	07/01/2013
Alex De La Paz	06/01/2014
Jerry Fletcher	06/15/2013
Gary Blackford	01/20/2013
Mark Grove	07/20/2013
Kasey Woolridge-Casperson	12/09/2014
Charles Lumpkin	11/12/2015
Greg Clarici	05/22/2014
Joe Ramirez	10/23/2014
Mike Barnum	09/07/2014

EMS
EMERGENCY RESPONSE TRAINING
Safety
LEARN - PRACTICE - PERFORM

CPR & First Aid

CLACK HUGGINS
Student Name

Yes No
 AED
 Adult CPR
 Child CPR
 Infant CPR

1/13
Issue Date

1/15
Expiration

Provider Card

EMS
EMERGENCY RESPONSE TRAINING
Safety
LEARN - PRACTICE - PERFORM

CPR & First Aid

GILBERT ROMERO
Student Name

Yes No
 AED
 Adult CPR
 Child CPR
 Infant CPR

1/13
Issue Date

1/15
Expiration

Provider Card

EMS
EMERGENCY RESPONSE TRAINING
Safety
LEARN - PRACTICE - PERFORM

CPR & First Aid

ANDREW KOOP
Student Name

Yes No
 AED
 Adult CPR
 Child CPR
 Infant CPR

1/13
Issue Date

1/15
Expiration

Provider Card

EMS
EMERGENCY RESPONSE TRAINING
Safety
LEARN - PRACTICE - PERFORM

CPR & First Aid

JAMES GERAGHTY
Student Name

Yes No
 AED
 Adult CPR
 Child CPR
 Infant CPR

1/13
Issue Date

1/15
Expiration

Provider Card

EMS
EMERGENCY RESPONSE TRAINING
Safety
LEARN - PRACTICE - PERFORM

CPR & First Aid

RUSTIN DICK
Student Name

Yes No
 AED
 Adult CPR
 Child CPR
 Infant CPR

1/13
Issue Date

1/15
Expiration

Provider Card

EMS
EMERGENCY RESPONSE TRAINING
Safety
LEARN - PRACTICE - PERFORM

CPR & First Aid

DAVID RIVEROLL
Student Name

Yes No
 AED
 Adult CPR
 Child CPR
 Infant CPR

1/13
Issue Date

1/15
Expiration

Provider Card

EMS
EMERGENCY RESPONSE TRAINING
Safety
LEARN - PRACTICE - PERFORM

CPR & First Aid

MASKEL ROCKEON
Student Name

Yes No
 AED
 Adult CPR
 Child CPR
 Infant CPR

1/13
Issue Date

1/15
Expiration

Provider Card

Largo Concrete

The holder of this card has successfully completed the training requirements for certification in the course(s) specified. Training is consistent with the 2010 American Heart Association® CPR and ECC Guidelines and the International First Aid Science Advisory Board, and meets or exceeds the requirements by Federal OSHA for the designated workplace responder.

Alex Smith CA3241
Instructor Name (Print) Instructor #
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Instructor Phone
ASMITA@LARGOCONCRETE
Instructor Email
www.emssafetyservices.com/student 135992
(800) 215-9555 www.emssafety.com

The holder of this card has successfully completed the training requirements for certification in the course(s) specified. Training is consistent with the 2010 American Heart Association® CPR and ECC Guidelines and the International First Aid Science Advisory Board, and meets or exceeds the requirements by Federal OSHA for the designated workplace responder.

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1/10/13

Performance Mechanical, Inc.
General Engineering Contractor
California License No. 475516



Basic Plus
CPR, AED and FIRST AID TRAINED

NAME Exp. Date Craft

Dan Clem	8/13	Ironworker
Jose Dejesus	3/13	Ironworker
Andrzej Dyba	9/13	Ironworker
Adam Paulsen	6/13	Ironworker
Richard Reese	7/13	Ironworker
Bruce Flynn	3/14	Ironworker
Kenny Goff	8/13	Ironworker
Mike Obrien	6/14	Fitter
Kris Obrien	12/14	Fitter
Mike Beason	2/14	Fitter
Matt Earehart	2/14	Fitter
Juan Rivas	7/13	Ironworker
Dave Glover	11/13	Ironworker
Randy Cole	4/14	Sup.
Randy Gable	9/14	G.F Millwright
David Cerda	1/14	Ironworker
Jorge Sanchez	12/14	Brand
Santiago Ramos	12/14	Brand
Gary Lockyer	EMT Certs	Fitter
Abraham Garcia	12/14	Brand

Appendix G
Miscellaneous Submittals and Information



Unit 2 COD: November 1st, 2013
 Unit 1 COD: April 1st, 2014

Safety:

- ♦ No Accident or Injury.

Compliance:

- ♦ No issues to report.

K008 Site Preparation:

- ♦ Continued retention area pipe installation and earthwork.

Permanent Site Security and Wind Fence(K009):

- ♦ Installing Wind and Security Fence in Unit 2.

Underground Piping(K011):

- ♦ Installing Waste Water Drains in Power Block 2. Installing bollards and testing all lines.

Solar Field Foundations (K013):

- ♦ Unit 2 – Constructing caissons in Block 9 and drilling in Block 8. Continued Pipe supports in Block 4, and 5. Constructing Sleepers on the North side of Block 10 and starting to set HSS tube steel early next week.

Solar Field Underground Electrical (K014):

- ♦ Ground grid installation Power Block 1 and 2, backfill/compaction and installing 15 Kv manhole in Ring 8 Field 1 and installing cabling Ring 10.

Power Block Foundations (K015):

- ♦ Unit 2 – Continued foundations in the 22 West Pipe rack, Main pumps, and freeze protection pumps. Constructing STG North pedestals. Installing rebar and forming columns on the North side Steam Turbine Generator pedestals. Backfilling duct banks in the Power Distribution center 2B and constructing stub-ups. Excavating and installing rebar and conduit for the duct bank going from the Electrical building to the Steam Turbine Generator. Performing additional grading on the West Steam Generating System Containment Slab. Unit 1 – working on the conduit and anchor bolt supports in the Steam Turbine Generator. Common Area – Backfilling the wastewater sump, installing embeds and forming the softener water sump.

230 Kv Line and Switchyard(K016):

- ♦ Installing ground grid in Switchyard 2 and underground conduit for switchyard.

Site Safety Topic Of The Week:
"Near Misses"

Weather		
Sunny	Temp- High 88	Winds- Southeast at 5 mph



Power Block 2- Setting the Boiler Feed Water Pump



Power Block 2

Solar Field Header Piping (K021):

- ♦ Welding pipe in Unit 2 Blocks 1 and 6. Material receiving is ongoing.

Power Block Piping and Mechanical(K022):

- ♦ Welding closed cooling water and installing gas line. Setting elevations on the Low Pressure Turbine. Welding down comers on Train 2 and detailing Boiler Feed Water Structure. Work continues on Feed Water structure. Set Boiler Feed Water Pump.

Solar Field Above Ground Electrical (K029):

- ♦ Local Control Box install in Field 2 Ring 4. Installing race way, mounting devises and terminations in Ring 3 Field 2. Terminating at 2D Solar Field Substation.

Power Block Above Ground Electrical(K030):

- ♦ Receiving material and mobilization.

Main Transformer Assembly (K038):

- ♦ Completing final testing for turnover.

Air Cooled Condenser (K057):

- ♦ Installing Turbine Exhaust riser on Streets 3 and 4. Installing pipe on streets 2,3 and 4. Working South wind wall. Welding Steam Duct Manifold and Collection Condensate Manifolds on Street 2.

Buildings (K067):

- ♦ Administration Building architectural, mechanical, electrical, and plumbing finishes continued. Water Treatment building steel and wall installations continued.

Bolted Tanks(K068):

- ♦ Installing Ring 1 on Raw Water Tank.

Welded Demin Tanks(K071):

- ♦ Unit 1- Welding and framing up dome roof.

Pylon, SCE Assembly and Installation(K100):

- ♦ Installing SCE's in Solar Field 2 Block 2. Erecting and aligning pylons in Solar Field 2 Block 5.

HCE Tube Installation (K102):

- ♦ Fabricating and installing triple joints and fixed ends in Solar Field 2 Block 1. Continue installation of temporary fabrication shop.

Personnel Onsite	Total
Genesis Management	40
Compliance Monitors	21
Guardsmark (K005)	5
PSI (K007)	6
Sukut (K008)	27
Crown(K009)	15
Sukut (K010)	40
BPC (K011)	27
Largo (K013)	103
Newtron (K014)	21
Largo (K015)	76
EPC (K016)	7
BPC (K021)	21
PMI (K022)	93
Newtron (K029)	15
Siemens(K038)	7
Newtron (K030)	7
SPX (K057)	105
USA Tank (K068)	7
Caldwell Tank (K071)	7
BPC (K102)	49
Sener	7
Total Personnel Onsite	791



Unit 2 COD: November 1st, 2013
 Unit 1 COD: April 1st, 2014

November 2, 2012

Safety:

- ♦ No Accident or Injury.

Compliance:

- ♦ No issues to report.

K008 Site Preparation:

- ♦ Continued retention area pipe installation and earthwork.

Permanent Site Security and Wind Fence(K009):

- ♦ No Work.

Underground Piping(K011):

- ♦ Installing bollards and testing all lines.

Solar Field Foundations (K013):

- ♦ Unit 2 – Constructing caissons in Block 9 and drilling in Block 8. Continued Pipe supports in Block 4, and 5. Constructing Sleepers on the North side of Block 10 and starting to set HSS tube steel early next week.

Solar Field Underground Electrical (K014):

- ♦ No Work.

Power Block Foundations (K015):

- ♦ Unit 2 – Continued foundations in the 22 West Pipe rack, Main pumps, and freeze protection pumps. Constructing STG North pedestals. Forming and pouring Duct bank stub-ups. Finished Installing rebar and poured the duct bank going from the Electrical building to the Steam Turbine Generator. Performing additional grading on the West Steam Generating System Containment Slab. Unit 1 – No Work. Common Area – Poured the softener water sump Pit (will start installing valve pit once forms are removed on Monday).

230 Kv Line and Switchyard(K016):

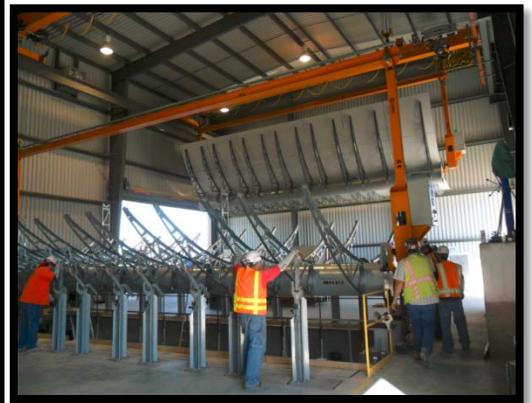
- ♦ No Work.

Solar Field Header Piping (K021):

- ♦ Welding pipe in Unit 2 Blocks 1 and 6. Material receiving is ongoing.

Site Safety Topic Of The Week:
"Near Misses"

Weather		
Sunny	Temp- High 86	Winds- Southeast at 7 mph



Assembly Building



Solar Field 2

Power Block Piping and Mechanical(K022):

- ♦ Setting elevations on the Low Pressure Turbine. Welding down comers and risers on Train 2 and detailing Boiler Feed Water Structure. Work continues on Feed Water structure.

Solar Field Above Ground Electrical (K029):

- ♦ No Work.

Power Block Above Ground Electrical(K030):

- ♦ No Work.

Main Transformer Assembly (K038):

- ♦ Completing final testing for turnover.

Air Cooled Condenser (K057):

- ♦ Installing Turbine Exhaust riser on Streets 3 and 4. Installing pipe on streets 2,3 and 4. Working South wind wall. Welding Steam Duct Manifold and Collection Condensate Manifolds on Streets 2,3,and 4.

Buildings (K067):

- ♦ Administration Building architectural, mechanical, electrical, and plumbing finishes continued. Water Treatment building steel and wall installations continued.

Bolted Tanks(K068):

- ♦ Installing Ring 1 on Raw Water Tank.

Welded Demin Tanks(K071):

- ♦ No Work.

Pylon, SCE Assembly and Installation(K100):

- ♦ Installing SCE's in Solar Field 2 Block 2. Erecting and aligning pylons in Solar Field 2 Block 5.

HCE Tube Installation (K102):

- ♦ Fabricating and installing triple joints and fixed ends in Solar Field 2 Block 1. Continue installation of temporary fabrication shop.

Personnel Onsite	Total
Genesis Management	40
Compliance Monitors	21
Guardsmark (K005)	5
PSI (K007)	6
Sukut (K008)	27
Crown(K009)	0
Sukut (K010)	15
BPC (K011)	15
Largo (K013)	85
Newtron (K014)	0
Largo (K015)	46
EPC (K016)	0
BPC (K021)	21
PMI (K022)	93
Newtron (K029)	0
Siemens(K038)	7
Newtron (K030)	0
SPX (K057)	105
USA Tank (K068)	7
Caldwell Tank (K071)	0
BPC (K102)	49
Sener	7
Total Personnel Onsite	634



Unit 2 COD: November 1st, 2013
 Unit 1 COD: April 1st, 2014

November 5, 2012

Safety:

- ♦ No Accident or Injury.

Compliance:

- ♦ No issues to report.

K008 Site Preparation:

- ♦ Continued retention area pipe installation and earthwork.

Permanent Site Security and Wind Fence(K009):

- ♦ Installing Wind Fence in Unit 2.

Underground Piping(K011):

- ♦ Installing Treated Water in Power Block 2 and testing all lines.

Solar Field Foundations (K013):

- ♦ Unit 2 – Constructing caissons in Block 9 and drilling in Block 8. Continued Pipe supports in Block 4, and 5. Constructing Sleepers on the North side of Block 10 and starting to set HSS tube steel early next week.

Solar Field Underground Electrical (K014):

- ♦ Ground grid installation in Power Block 1, backfill/compaction of trenches in Ring 8 Field 1, testing cable and fiber optic, installing cabling Ring 10 Field 2.

Power Block Foundations (K015):

- ♦ Unit 2 – Finished 22 West Pipe rack Pedestals. Poured the Eastern two Main pumps and continued on the freeze protection pumps. Started forming Steam Turbine Generator North pedestals. Forming and pouring Duct bank stub-ups. Backfilling the duct bank going from the Electrical building to the Steam Turbine Generator. Performing additional grading on the West Steam Generating System Containment Slab. Unit 1 – Poured the main GSU transformer mat. Common Area – Stripped forms from the softener water sump Pit.

230 Kv Line and Switchyard(K016):

- ♦ Continue grounding and underground conduit installation in Switchyard 2, receiving transmission components, circuit breakers and air switches.

Solar Field Header Piping (K021):

- ♦ Welding pipe in Unit 2 Blocks 1 and 6. Material receiving is ongoing.

Site Safety Topic Of The Week:
"Handling Compressed Gas Cylinders"

Weather		
Sunny	Temp- High 86	Winds- Southeast at 7 mph



Solar Field 2 Block 7



Power Block 2

Power Block Piping and Mechanical(K022):

- ♦ Continue alignment on the High Pressure Turbine. Welding down comers and risers on Train 2. Work continues on Feed Water structure. Welding Siemens Pipe, Closed Cooling and Natural Gas Lines.

Solar Field Above Ground Electrical (K029):

- ♦ Installing flex raceway, mounting instrument devices, pulling in cable and termination LOC's in Ring 3 Field 2, ordered components and cabling for interconnects for solar field substations, terminating in Solar Field Substation 2D. Received, inspected and off loaded LOC boxes for Ring 5 Field 2.

Power Block Above Ground Electrical(K030):

- ♦ Mobilizing and receiving material.

Main Transformer Assembly (K038):

- ♦ Completing clean up of work area around Transformer 2, completed dressage and testing, scheduled to complete demobilization Wed, Nov 7.

Air Cooled Condenser (K057):

- ♦ Installing Turbine Exhaust riser on Streets 3 and 4. Installing pipe on streets 2,3 and 4. Working South wind wall. Welding Steam Duct Manifold and Collection Condensate Manifolds on Streets 2,3,and 4.

Buildings (K067):

- ♦ Administration Building architectural, mechanical, electrical, and plumbing finishes continued. Water Treatment building steel and wall installations continued.

Bolted Tanks(K068):

- ♦ Installing Ring 1 on Raw Water Tank.

Welded Demin Tanks(K071):

- ♦ Prepping to set dome roof in both Units.

Pylon, SCE Assembly and Installation(K100):

- ♦ Installing SCE's in Solar Field 2 Block 2. Erecting and aligning pylons in Solar Field 2 Block 5.

HCE Tube Installation (K102):

- ♦ Fabricating and installing triple joints and fixed ends in Solar Field 2 Block 1. Continue installation of temporary fabrication shop.

Personnel Onsite	Total
Genesis Management	40
Compliance Monitors	21
Guardsmark (K005)	5
PSI (K007)	6
Sukut (K008)	27
Crown(K009)	15
Sukut (K010)	15
BPC (K011)	25
Largo (K013)	103
Newtron (K014)	21
Largo (K015)	76
EPC (K016)	5
BPC (K021)	21
PMI (K022)	98
Newtron (K029)	13
Siemens(K038)	7
Newtron (K030)	2
SPX (K057)	105
USA Tank (K068)	7
Caldwell Tank (K071)	7
BPC (K102)	49
Sener	7
Total Personnel Onsite	760



Genesis Solar Energy Project

Unit 2 COD: November 1st, 2013
 Unit 1 COD: April 1st, 2014

November 5, 2012

Safety:

- ♦ 1st Aid reported from BPC. An employee cut his thumb on exposed glass while mounting a Schott Tube onto a solar collector unit in the field. The glass vacuum indicator broke during final adjustment of the tube and cut through the employees cut resistant glove. The employee received first aid and returned to work.

Compliance:

- ♦ No issues to report.

K008 Site Preparation:

- ♦ Continued retention area pipe installation and earthwork.

Permanent Site Security and Wind Fence(K009):

- ♦ Installing Wind Fence in Unit 2.

Underground Piping(K011):

- ♦ Installing Treated Water in Power Block 2 and testing all lines.

Solar Field Foundations (K013):

- ♦ Unit 2 – Constructing caissons in Block 8. Continued Pipe supports on the North side of Block 5 (Block 4 is finished), and drilling in Block 10. Constructing Sleepers between Blocks 4 & 9 and setting HSS tube steel in Block 5 tomorrow. Excavating Pipe Bridge 3.

Solar Field Underground Electrical (K014):

- ♦ Ground grid installation in Power Block 1, backfill/compaction of trenches in Ring 8 Field 1, testing cable and fiber optic, installing cabling Ring 10 Field 2. Excavating Ring 9 Unit 2.

Power Block Foundations (K015):

- ♦ Unit 2 – Constructing the Main HTF pumps, freeze protection pumps, Overflow Return Pumps. Backfilling Pipe rack 22 West and excavating and installing rebar for the West containment slab drain. Forming Steam Turbine Generator North pedestals. Forming and pouring Duct bank stub-ups. Unit 1 – Constructing the STG Block. Common Area – Stripped forms from the softener water sump Pit and started backfill.

230 Kv Line and Switchyard(K016):

- ♦ Continue grounding and underground conduit installation in Switchyard 2, receiving switchyard steel.

Site Safety Topic Of The Week:
"Handling Compressed Gas Cylinders"

Weather		
Sunny	Temp- High 87	Winds- Northwest at 6 mph



Power Block 2



Assembly Building

Solar Field Header Piping (K021):

- ♦ Welding pipe in Unit 2 Blocks 1 and 6. Material receiving is ongoing.

Power Block Piping and Mechanical(K022):

- ♦ Continue alignment on the High Pressure Turbine. Welding down comers on Train 2. Work continues on Feed Water structure. Welding Siemens Pipe, Closed Cooling and Natural Gas Lines. Epoxy pour on the Boiler Feed Water Pump. Working the pipe way under the Air Cooled Condenser.

Solar Field Above Ground Electrical (K029):

- ♦ Installing LOC boxes and power panels Ring 4, continue installing raceway flex, instrument devices, terminations Ring 3.

Power Block Above Ground Electrical(K030):

- ♦ Mobilizing and receiving material.

Air Cooled Condenser (K057):

- ♦ Welding Steam Duct and Collection Condensate Manifolds on streets 1 and 2. Installed riser on streets 3 and 4 . Working air take off system on streets 3 and 4 and drain pipe on streets 2 and 3.

Buildings (K067):

- ♦ Administration Building architectural, mechanical, electrical, and plumbing finishes continued. Water Treatment building steel and wall installations continued.

Bolted Tanks(K068):

- ♦ Installing Ring 1 on Raw Water Tank.

Welded Demin Tanks(K071):

- ♦ Prepping to set dome roof in both Units.

Pylon, SCE Assembly and Installation(K100):

- ♦ Installing SCE's in Solar Field 2 Block 2. Erecting and aligning pylons in Solar Field 2 Block 5.

HCE Tube Installation (K102):

- ♦ Fabricating and installing triple joints and fixed ends in Solar Field 2 Block 1. Continue installation of temporary fabrication shop.

Personnel Onsite	Total
Genesis Management	40
Compliance Monitors	21
Guardsmark (K005)	5
PSI (K007)	6
Sukut (K008)	27
Crown(K009)	15
Sukut (K010)	15
BPC (K011)	25
Largo (K013)	103
Newtron (K014)	21
Largo (K015)	76
EPC (K016)	5
BPC (K021)	21
PMI (K022)	98
Newtron (K029)	13
Siemens(K038)	7
Newtron (K030)	2
SPX (K057)	105
USA Tank (K068)	7
Caldwell Tank (K071)	2
BPC (K102)	49
Sener	7
Total Personnel Onsite	755



Unit 2 COD: November 1st, 2013
 Unit 1 COD: April 1st, 2014

November 7, 2012

Safety:

- ♦ No Accident or Injury.

Compliance:

- ♦ No issues to report.

K008 Site Preparation:

- ♦ Continued retention area pipe installation and earthwork.

Permanent Site Security and Wind Fence(K009):

- ♦ Installing Wind Fence in Unit 2.

Underground Piping(K011):

- ♦ Installing Treated Water in Power Block 2, testing all lines and installing bollards.

Solar Field Foundations (K013):

- ♦ Unit 2 – Constructing caissons in Block 8. Continued Pipe supports on the North side of Block 5, and drilling in Block 10. Constructing Sleepers between Blocks 4 & 9 and setting HSS tube steel in Block 5. Excavating Pipe Bridge 3 and laid out Pipe Bridge 6 Foundation.

Solar Field Underground Electrical (K014):

- ♦ Ground grid installation in Power Block 1, backfill/compaction of trenches in Ring 8 Field 1, testing cable and fiber optic, installing cabling Ring 10 Field 2. Excavating Ring 9 Unit 2.

Power Block Foundations (K015):

- ♦ Unit 2 – Constructing the Main HTF pumps, freeze protection pumps, Overflow Return Pumps. Backfilling Pipe rack 22 West and poured the bottom of the West containment slab trench drain. Forming Steam Turbine Generator North and East pedestals. Excavated Vacuum and Hogging injector. Unit 1 – Constructing the STG Block. Common Area – Backfilling the softener water sump Pit and installing rebar for the valve pit.

230 Kv Line and Switchyard(K016):

- ♦ Continue grounding and underground conduit installation in Switchyard 2, receiving switchyard steel.

Solar Field Header Piping (K021):

- ♦ Welding and installing pipe in Unit 2 Blocks 1 and 6. Material receiving is ongoing.

Site Safety Topic Of The Week:
"Handling Compressed Gas Cylinders"

Weather		
Sunny	Temp- High 87	Winds- Northwest at 3 mph



Power Block 2-Air Cooled Condenser



Solar Field 2 Block 5

Power Block Piping and Mechanical(K022):

- ♦ Aligning the Steam Turbine Generator. Welding down comers and risers on Train 2. Prepping HTF Expansion Vessel for setting. Set PDC 2B today.

Solar Field Above Ground Electrical (K029):

- ♦ Installing LOC boxes and power panels Ring 4, continue installing raceway flex, instrument devices, terminations Ring 3.

Power Block Above Ground Electrical(K030):

- ♦ Mobilizing and receiving material.

Air Cooled Condenser (K057):

- ♦ Welding Steam Duct and Collection Condensate Manifolds on streets 1 and 2. Installed riser on streets 3 and 4 . Working air take off system on streets 3 and 4 and drain pipe on streets 2 and 3.

Buildings (K067):

- ♦ Administration Building architectural, mechanical, electrical, and plumbing finishes continued. Water Treatment building steel and wall installations continued.

Bolted Tanks(K068):

- ♦ Installing Ring 1 on Raw Water Tank.

Welded Demin Tanks(K071):

- ♦ Prepping tanks to set dome roof in both Units.

Pylon, SCE Assembly and Installation(K100):

- ♦ Installing SCE's in Solar Field 2 Block 2. Erecting and aligning pylons in Solar Field 2 Block 5 and 10.

HCE Tube Installation (K102):

- ♦ Fabricating and installing triple joints and fixed ends in Solar Field 2 Block 1.

Personnel Onsite	Total
Genesis Management	40
Compliance Monitors	21
Guardsmark (K005)	5
PSI (K007)	6
Sukut (K008)	27
Crown(K009)	15
Sukut (K010)	15
BPC (K011)	25
Largo (K013)	103
Newtron (K014)	21
Largo (K015)	76
EPC (K016)	5
BPC (K021)	17
PMI (K022)	98
Newtron (K029)	13
Siemens(K038)	7
Newtron (K030)	2
SPX (K057)	105
USA Tank (K068)	7
Caldwell Tank (K071)	2
BPC(K100)	75
BPC (K102)	58
Sener	7
Total Personnel Onsite	835



Unit 2 COD: November 1st, 2013
 Unit 1 COD: April 1st, 2014

November 9, 2012

Safety:

- ♦ No Accident or Injury.

Compliance:

- ♦ No issues to report.

K008 Site Preparation:

- ♦ Continued retention area rip rap installation.

Permanent Site Security and Wind Fence(K009):

- ♦ Installing Wind Fence in Unit 2 and installing tortoise guards.

Underground Piping(K011):

- ♦ Testing all lines and installing bollards.

Solar Field Foundations (K013):

- ♦ No Work.

Solar Field Underground Electrical (K014):

- ♦ No Work.

Power Block Foundations (K015):

- ♦ Unit 2 – Performed layout of foundations and as-builts.

230 Kv Line and Switchyard(K016):

- ♦ Installing ground grid, underground conduit and breakers.

Solar Field Header Piping (K021):

- ♦ Welding and installing pipe in Unit 2 Blocks 1 and 6. Material receiving is ongoing.

Power Block Piping and Mechanical(K022):

- ♦ Prepping Turbines for rolling/installing keys. Welding stainless steel in Pipe Rack 25. Erecting Pipe Rack 23. Welding closed cooling water and installing gas line. Continue Feed water structure grating and bolt up. Detailing ladders and hand rails.

Evaporation Ponds (K026):

- ♦ Finish grade and preparation for rip rap continued.

Solar Field Above Ground Electrical (K029):

- ♦ No Work.

Site Safety Topic Of The Week:
"Handling Compressed Gas Cylinders"

Weather		
Sunny	Temp- High 72	Winds- Southwest at 24 mph



Common Area



Administration and Control Building

Power Block Above Ground Electrical(K030):

- ♦ No Work.

Air Cooled Condenser (K057):

- ♦ Welding Steam Duct and Collection Condensate Manifolds on streets 1 and 2. Working riser on streets 3 and 4 . Working air take off system on streets 3 and 4 and drain pipe on streets 2 and 3.

Buildings (K067):

- ♦ Working on punch list items in the Admin Building.

Bolted Tanks(K068):

- ♦ Installing Ring 1 on Raw Water Tank.

Welded Demin Tanks(K071):

- ♦ No Work.

Pylon, SCE Assembly and Installation(K100):

- ♦ Installing SCE's in Solar Field 2 Block 2. Erecting and aligning pylons in Solar Field 2 Block 5 and 10.

HCE Tube Installation (K102):

- ♦ Fabricating and installing triple joints and fixed ends in Solar Field 2 Block 1.

Personnel Onsite	Total
Genesis Management	40
Compliance Monitors	10
Guardsmark (K005)	5
PSI (K007)	6
Sukut (K008)	15
Crown(K009)	15
Sukut (K010)	10
BPC (K011)	15
Largo (K013)	0
Newtron (K014)	0
Largo (K015)	4
EPC (K016)	5
BPC (K021)	17
PMI (K022)	100
Sukut (K026)	15
Newtron (K029)	0
Newtron (K030)	0
SPX (K057)	105
USA Tank (K068)	7
Caldwell Tank (K071)	0
BPC (K100)	85
BPC (K102)	58
Sener	7
Total Personnel Onsite	594



Unit 2 COD: November 1st, 2013
 Unit 1 COD: April 1st, 2014

November 13, 2012

Safety:

- ♦ No Accident or Injury.

Compliance:

- ♦ No issues to report.

K006 Wells:

- ♦ Well 0 construction pump removal commenced.

K008 Site Preparation:

- ♦ Retention area riprap and final grade installations continue.

Permanent Site Security and Wind Fence(K009):

- ♦ Installing Wind and Security Fence in Unit 2.

Underground Piping(K011):

- ♦ Testing all lines and installing bollards.

Solar Field Foundations (K013):

- ♦ Unit 2 – Constructing caissons in Block 8 (Drilled last caisson today). Continued Pipe supports on the North side of Block 5, and drilling in Block 10. Constructing Sleepers between Blocks 4 & 9 and setting HSS tube steel in Block 5. Excavating Pipe Bridge 5.

Solar Field Underground Electrical (K014):

- ♦ Ground grid installation in Power Block 1, backfill/compaction of trenches in Ring 8 Field 1, testing cable and fiber optic, installing cabling Ring 10 Field 2. Excavating Ring 9 Unit 2.

Power Block Foundations (K015):

- ♦ Unit 2 – Pouring the last of the Main HTF pumps, and the last of the STG North Pedestals. Working on Duct bank stub-ups and containment slab prep work. Formed Steam Turbine Generator North and East pedestals (last two East pedestals will pour tomorrow). Finished Installing Rebar and forms in the Vacuum and Hogging injector. Unit 1 – Constructing the STG Block. Common Area – Forming the softener water sump Pit and installing water stop for the valve pit.

230 Kv Line and Switchyard(K016):

- ♦ Continue grounding, underground conduit and circuit breaker installation in Switchyard 2.

Site Safety Topic Of The Week:
"Use Care with Compressed Air"

Weather		
Sunny	Temp- High 75	Winds- South at 10 mph



Drilling Last Caisson-Unit 2 Block 8



Power Block 2

Solar Field Header Piping (K021):

- ♦ Welding and installing pipe in Unit 2 Blocks 1 and 6. Material receiving is ongoing.

Power Block Piping and Mechanical(K022):

- ♦ Welding stainless steel in Pipe Rack 25 and installing pipe in Pipe Rack 23. Working cross over pipe on Train 2 and setting PDC 2B.

Evaporation Ponds (K026):

- ♦ Finish grade and riprap placement continues. Liner installation is scheduled for 11-19-12.

Solar Field Above Ground Electrical (K029):

- ♦ Installing LOC boxes and power panels Ring 4, continue installing raceway flex, instrument devices, terminations Ring 3.

Power Block Above Ground Electrical(K030):

- ♦ Mobilizing and receiving material.

Air Cooled Condenser (K057):

- ♦ Welding Steam Duct and Collection Condensate Manifolds on streets 1 and 2. Working riser on streets 3 and 4 . Working air take off system on streets 3 and 4 and drain pipe on streets 2 and 3. Preassembling stair tower for installation.

Buildings (K067):

- ♦ Administration building punch list is ongoing. Water Treatment building interior rough-ins continue.

Bolted Tanks(K068):

- ♦ Installing Ring 1 and grounding lugs on Raw Water Tank.

Welded Demin Tanks(K071):

- ♦ Prepping tanks to set dome roof and verifying nozzle locations in Unit 2.

Pylon, SCE Assembly and Installation(K100):

- ♦ Installing SCE's in Solar Field 2 Block 2. Erecting and aligning pylons in Solar Field 2 Block 5 and 10

HCE Tube Installation (K102):

- ♦ Fabricating and installing triple joints and fixed ends in Solar Field 2 Block 1.

Personnel Onsite	Total
Genesis Management	40
Compliance Monitors	21
Guardsmark (K005)	5
Southwest Pump (K006)	3
PSI (K007)	6
Sukut (K008)	10
Crown(K009)	15
Sukut (K010)	10
BPC (K011)	25
Largo (K013)	103
Newtron (K014)	21
Largo (K015)	76
EPC (K016)	5
BPC (K021)	17
PMI (K022)	98
Sukut (K026)	12
Newtron (K029)	13
Newtron (K030)	2
SPX (K057)	105
USA Tank (K068)	7
Caldwell Tank (K071)	7
BPC(K100)	75
BPC (K102)	58
Sener	7
Total Personnel Onsite	826



Unit 2 COD: November 1st, 2013
Unit 1 COD: April 1st, 2014

Safety:

- ♦ No Accident or Injury.

Compliance:

- ♦ No issues to report.

K006 Wells:

- ♦ Well 0 construction pump removal continued.

K008 Site Preparation:

- ♦ Retention area riprap and final grade installations continue.

Permanent Site Security and Wind Fence(K009):

- ♦ Installing Wind in Unit 2.

Underground Piping(K011):

- ♦ Testing all lines and installing bollards.

Solar Field Foundations (K013):

- ♦ Unit 2 – Constructing caissons in Block 8 (Expecting to pour out caissons tomorrow). Continued Pipe supports on the North side of Block 5. Constructing Sleepers between Blocks 4 & 9 and setting HSS tube steel in Block 5. Installing rebar for pipe bridges, and pouring Solar Field Substation 2B tomorrow. Unit 1 – Layout for sleepers.

Solar Field Underground Electrical (K014):

- ♦ Installing ground grid Power Block 1, testing power and fiber optic cabling Ring 8 Field 1. Installing ground conductor, power cabling and began blanketing conductors in Ring 10 Field 2. Trenching and installing ground conductor Ring 9 Field 2.

Power Block Foundations (K015):

- ♦ Unit 2 – Stripping STG North Pedestals and Poured the last two STG East Pedestals. Working on containment slab rebar and forming. Poured the Vacuum and Hogging injector. Unit 1 – Constructing the STG Block. Common Area – Forming the softener water sump Pit and installing water stop for the valve pit. Poured 2 slabs for Aquatec Skids

230 Kv Line and Switchyard(K016):

- ♦ Switchyard underground conduit and ground grid installation, setting vault and circuit breakers.

Site Safety Topic Of The Week:
"Use Care with Compressed Air"

Weather		
Sunny	Temp- High 78	Winds- Nprthwest at 6 mph



Solar Field 2 Block 3



Power Block 2

Solar Field Header Piping (K021):

- ♦ Welding and installing pipe in Unit 2 Blocks 1 and 6. Material receiving is ongoing.

Power Block Piping and Mechanical(K022):

- ♦ Welding stainless steel in Pipe Rack 25 and installing pipe in Pipe Rack 23. Working cross over pipe on Train 2.

Evaporation Ponds (K026):

- ♦ Finish grade and riprap placement continues.

Solar Field Above Ground Electrical (K029):

- ♦ Raceway, pulling cable, installation instrument devices and terminations Ring 3, pulling feeder and interconnect Solar Field Substation 2D, terminations Field 2.

Power Block Above Ground Electrical(K030):

- ♦ Mobilizing and receiving material.

Air Cooled Condenser (K057):

- ♦ Welding Steam Duct and Collection Condensate Manifolds on streets 1 and 2. Working riser on streets 3 and 4 . Working air take off system on streets 3 and 4 and drain pipe on streets 2 and 3. Preassembling stair tower for installation.

Buildings (K067):

- ♦ Administration building punch list is ongoing. Water Treatment building interior rough-ins continue.

Bolted Tanks(K068):

- ♦ Installing bolt caps on floor and clean up activities continued.

Welded Demin Tanks(K071):

- ♦ Prepping tanks to set dome roof and verifying nozzle locations in Unit 2.

Pylon, SCE Assembly and Installation(K100):

- ♦ Installing SCE's in Solar Field 2 Block 2. Erecting and aligning pylons in Solar Field 2 Block 5 and 10.

HCE Tube Installation (K102):

- ♦ Fabricating and installing triple joints and fixed ends in Solar Field 2 Block 1.

Personnel Onsite	Total
Genesis Management	40
Compliance Monitors	21
Guardsmark (K005)	5
Southwest Pump (K006)	3
PSI (K007)	6
Sukut (K008)	10
Crown(K009)	15
Sukut (K010)	10
BPC (K011)	18
Largo (K013)	100
Newtron (K014)	21
Largo (K015)	76
EPC (K016)	5
BPC (K021)	17
PMI (K022)	98
Sukut (K026)	12
Newtron (K029)	13
Newtron (K030)	2
SPX (K057)	105
USA Tank (K068)	7
Caldwell Tank (K071)	7
BPC(K100)	75
BPC (K102)	58
Sener	7
Total Personnel Onsite	816



Unit 2 COD: November 1st, 2013
 Unit 1 COD: April 1st, 2014

November 15, 2012

Safety:

- ♦ No Accident or Injury.

Compliance:

- ♦ No issues to report.

K006 Wells:

- ♦ Well 0 construction pump removal continued.

K008 Site Preparation:

- ♦ Retention area riprap and final grade installations continue.

Permanent Site Security and Wind Fence(K009):

- ♦ Installing Wind in Unit 2.

Underground Piping(K011):

- ♦ Testing Solar Field Waste Water Lines and installing drains in Common Area.

Solar Field Foundations (K013):

- ♦ Unit 2 – Completed the 23,008th caisson installation in Block 8 this afternoon. Continued Pipe supports on the North side of Block 10. Drilling Sleepers on the North end of Block 8 and setting HSS tube steel in Block 5. Installing rebar for pipe bridges, and poured Solar Field Substation 2B. Unit 1 – Layout for sleepers.

Solar Field Underground Electrical (K014):

- ♦ Ground grid repairs and installation Power Block 2, continue cable and fiber optic testing for Ring 8 Field 1, cable blanketing Ring 10 Field 2 has been completed and inspected, began backfill/compaction, installing power cables, Ethernet and fiber optic Ring 9.

Power Block Foundations (K015):

- ♦ Unit 2 – Backfilling STG North Pedestals. Working the majority of crews on getting the West SGS Train 1 containment slab ready to pour in the morning. Stripped the Vacuum and Hogging injector, working on forming duct bank stub-ups. Unit 1 – Constructing the STG Block. Common Area – Forming the softener water sump Pit/valve pit for a pour tomorrow.

230 Kv Line and Switchyard(K016):

- ♦ Continue installing ground grid conductor, rods and wells.

Site Safety Topic Of The Week:
"Use Care with Compressed Air"

Weather		
Cloudy	Temp- High 71	Winds- North at 2 mph



Final Caisson Pour-Unit 2 Block 8



Power Block 2

Solar Field Header Piping (K021):

- ♦ Welding and installing pipe in Unit 2 Blocks 1 and 6. Material receiving is ongoing.

Power Block Piping and Mechanical(K022):

- ♦ Welding stainless steel pipe in Pipe Rack 25 and installing pipe in Pipe Rack 23. Working cross over pipe on Train 2 and fabricating Siemens pipe.

Evaporation Ponds (K026):

- ♦ Finish grade and riprap placement continues.

Solar Field Above Ground Electrical (K029):

- ♦ Completed instrument installation and terminations excluding fiber for Ring 3, started race way and instrument installation Ring 4.

Power Block Above Ground Electrical(K030):

- ♦ Mobilizing and receiving material.

Air Cooled Condenser (K057):

- ♦ Welding Steam Duct and Collection Condensate Manifolds on street 1. Working riser on streets 3 and 4 . Working air take off system on streets 3 and 4 and drain pipe on streets 2 and 3.

Buildings (K067):

- ♦ Administration building punch list is ongoing. Water Treatment building interior rough-ins continue.

Bolted Tanks(K068):

- ♦ Prepping for dome roof installation.

Welded Demin Tanks(K071):

- ♦ Set roof on tanks in Unit 1 and 2.

Pylon, SCE Assembly and Installation(K100):

- ♦ Installing SCE's in Solar Field 2 Block 2. Erecting and aligning pylons in Solar Field 2 Block 5 and 10.

HCE Tube Installation (K102):

- ♦ Fabricating and installing triple joints and fixed ends in Solar Field 2 Block 1.

Personnel Onsite	Total
Genesis Management	40
Compliance Monitors	21
Guardsmark (K005)	5
Southwest Pump (K006)	3
PSI (K007)	5
Sukut (K008)	10
Crown(K009)	15
Sukut (K010)	10
BPC (K011)	18
Largo (K013)	100
Newtron (K014)	21
Largo (K015)	76
EPC (K016)	5
BPC (K021)	17
PMI (K022)	98
Sukut (K026)	12
Newtron (K029)	13
Newtron (K030)	2
SPX (K057)	105
USA Tank (K068)	7
Caldwell Tank (K071)	7
BPC(K100)	75
BPC (K102)	62
Sener	7
Total Personnel Onsite	819



Unit 2 COD: November 1st, 2013
Unit 1 COD: April 1st, 2014

November 16, 2012

Safety:

- ♦ No Accident or Injury.

Compliance:

- ♦ No issues to report.

K008 Site Preparation:

- ♦ Retention area riprap and final grade installations continue.

Permanent Site Security and Wind Fence(K009):

- ♦ Installing Wind Fence in Unit 2.

Underground Piping(K011):

- ♦ No Work.

Solar Field Foundations (K013):

- ♦ No Work.

Solar Field Underground Electrical (K014):

- ♦ No Work.

Power Block Foundations (K015):

- ♦ Unit 2 – Backfilling STG North Pedestals. Working the majority of crews on pouring the West SGS Train 1 containment slab. Backfilling the Vacuum and Hogging injector, working on installing conduit and forming duct bank stub-ups . Unit 1 – Constructing the STG Block. Common Area – Finished forming and poured the softener water sump Pit/valve pit.

230 Kv Line and Switchyard(K016):

- ♦ Continue installing ground grid conductor, rods and wells.

Solar Field Header Piping (K021):

- ♦ Welding and installing pipe in Unit 2 Blocks 1 and 6. Material receiving is ongoing.

Power Block Piping and Mechanical(K022):

- ♦ Welding stainless steel pipe in Pipe Rack 25 and installing pipe in Pipe Rack 23. Working cross over pipe on Train 2 and fabricating Siemens pipe. Installing Pipe rack 24.

Site Safety Topic Of The Week:
"Use Care with Compressed Air"

Weather		
Clear	Temp- High 78	Winds- Northwest at 2 mph



Power Block 2 Containment Slab Pour



Common Area Picking Dome Roof Frame

Evaporation Ponds (K026):

- ♦ Finish grade and riprap placement continues.

Solar Field Above Ground Electrical (K029):

- ♦ No Work.

Power Block Above Ground Electrical(K030):

- ♦ No Work.

Air Cooled Condenser (K057):

- ♦ Welding Steam Duct and Collection Condensate Manifolds on street 1. Working riser on streets 3 and 4 . Working air take off system on streets 3 and 4 and drain pipe on streets 2 and 3. Verifying elevations on Unit 1 Foundations.

Buildings (K067):

- ♦ Administration building punch list is ongoing. Water Treatment building interior rough-ins continue.

Bolted Tanks(K068):

- ♦ Picked Dome Frame to begin installing dome panels on Filtered Water Tank.

Welded Demin Tanks(K071):

- ♦ Welding roof on tanks in Unit 1 and 2.

Pylon, SCE Assembly and Installation(K100):

- ♦ Installing SCE's in Solar Field 2 Block 2. Erecting and aligning pylons in Solar Field 2 Block 5 and 10.

HCE Tube Installation (K102):

- ♦ Fabricating and installing triple joints and fixed ends in Solar Field 2 Block 1.

Personnel Onsite	Total
Genesis Management	40
Compliance Monitors	21
Guardsmark (K005)	5
Southwest Pump (K006)	0
PSI (K007)	5
Sukut (K008)	10
Crown(K009)	15
Sukut (K010)	10
BPC (K011)	0
Largo (K013)	0
Newtron (K014)	0
Largo (K015)	50
EPC (K016)	5
BPC (K021)	17
PMI (K022)	98
Sukut (K026)	12
Newtron (K029)	0
Newtron (K030)	0
SPX (K057)	105
USA Tank (K068)	7
Caldwell Tank (K071)	7
BPC(K100)	75
BPC (K102)	62
Sener	7
Total Personnel Onsite	636



Unit 2 COD: November 1st, 2013
 Unit 1 COD: April 1st, 2014

November 19, 2012

Safety:

- ♦ No Accident or Injury.

Compliance:

- ♦ No issues to report.

K008 Site Preparation:

- ♦ Retention area riprap and final grade installations continue.

Permanent Site Security and Wind Fence(K009):

- ♦ Installing Wind Fence in Unit 2.

Underground Piping(K011):

- ♦ Installing Waste Water Drains in the Common Area and testing Solar Field Waste Water Lines.

Solar Field Foundations (K013):

- ♦ Unit 2 - Cleaning up for caissons in Block 8. Drilling Sleepers in Block 8, and setting Tube Steel Assemblies in Block 5. Constructing Pipe Supports on the South Side of Block 5. Striping Forms from Substation 2B. Unit 1 – Layout for Sleepers in Block 1/2.

Solar Field Underground Electrical (K014):

- ♦ Repairing ground grid in Power Block 2. Testing fiber optic, installing outside ground grid ring and backfill in Ring 10 Field 2. Excavating Field 2 Ring 9.

Power Block Foundations (K015):

- ♦ Unit 2 – Poured freeze pumps and the last two pedestals on the main HTF Pumps. Started grading for the far West containment slab (HTF Main Pumps and Freeze Protection Pump area). Working on installing conduit and forming duct bank stub-ups . Installed rebar in the Steam Duct Drains Tank. Unit 1 – Constructing the STG Block and HTF Drain Pit. Common Area – Stripping forms and backfilling the softener water sump Pit/valve pit.

230 Kv Line and Switchyard(K016):

- ♦ Continue installing ground grid, setting trenway electrical duct banks in Switchyard 2.

Site Safety Topic Of The Week:
"Use Care with Compressed Air"

Weather		
Clear	Temp- High 78	Winds- Northwest at 2 mph



Solar Field 2 Block 5



Power Block 2

Solar Field Header Piping (K021):

- ♦ Welding and installing pipe in Unit 2 Blocks 1 and 6. Laying out pipe in Solar Field 2 Block 5.

Power Block Piping and Mechanical(K022):

- ♦ Welding stainless steel pipe in Pipe Rack 25 and installing pipe in Pipe Rack 23. Working cross over pipe on Train 2 and fabricating Siemens pipe. Installing Pipe rack 24.

Evaporation Ponds (K026):

- ♦ Finish grade and riprap placement continues.

Solar Field Above Ground Electrical (K029):

- ♦ Installing raceway, instrumentation, tail in conductors and terminate Ring 4 Field 2.

Power Block Above Ground Electrical(K030):

- ♦ Installing cable tray in the ACC and pipe racks.

Air Cooled Condenser (K057):

- ♦ Welding Steam Duct and Collection Condensate Manifolds on street 1. Working riser on streets 3 and 4 . Working air take off system on streets 3 and 4 and drain pipe on streets 2 and 3.

Buildings (K067):

- ♦ Water Treatment building interior rough-ins continue.

Bolted Tanks(K068):

- ♦ No work.

Welded Demin Tanks(K071):

- ♦ Welding roof on tanks in Unit 1 and 2.

Pylon, SCE Assembly and Installation(K100):

- ♦ Completed installing SCE's in Solar Field 2 Block 2 and began install in Block 5. Erecting and aligning pylons in Solar Field 2 Block 5 and 10.

HCE Tube Installation (K102):

- ♦ Fabricating and installing triple joints and fixed ends in Solar Field 2 Block 1.

Personnel Onsite	Total
Genesis Management	40
Compliance Monitors	21
Guardsmark (K005)	5
PSI (K007)	5
Sukut (K008)	10
Crown(K009)	15
Sukut (K010)	10
BPC (K011)	21
Largo (K013)	103
Newtron (K014)	65
Largo (K015)	50
EPC (K016)	5
BPC (K021)	17
PMI (K022)	98
Sukut (K026)	12
Newtron (K029)	15
Newtron (K030)	12
SPX (K057)	105
USA Tank (K068)	0
Caldwell Tank (K071)	7
BPC (K100)	85
BPC (K102)	62
Sener	7
Total Personnel Onsite	845



Unit 2 COD: November 1st, 2013
 Unit 1 COD: April 1st, 2014

November 20, 2012

Safety:

- ♦ No Accident or Injury.

Compliance:

- ♦ No issues to report.

K008 Site Preparation:

- ♦ Retention area riprap and final grade installations continue.

Permanent Site Security and Wind Fence(K009):

- ♦ Installing Wind Fence in Unit 2.

Underground Piping(K011):

- ♦ Installing Waste Water Drains in the Common Area.

12 Kv Power Distribution Line (K012):

- ♦ Completed support electrical support work with Largo for caisson foundation installation, re-aligned two 12Kv power poles in power block area, re-set down guys north-east corner and pole entering project and flood migration work on power poles off project.

Solar Field Foundations (K013):

- ♦ Unit 2 - Drilling Sleepers in Block 8, and setting Tube Steel Assemblies in Block 5. Constructing Pipe Supports on the South Side of Block 5. Stripping Forms from Substation 2B and constructing 2A. Installing rebar in pipe bridges. Unit 1 – Layout for Sleepers in Block 1/2.

Solar Field Underground Electrical (K014):

- ♦ Completed ground conductor repairs Power Block 2, continue with ground grid installation in Field 2 Rings 10 and 9. Continue backfill/compaction Ring 10 and excavation in Ring 9. Excavating 5kv trench from Ring 8 to Ring 9.

Power Block Foundations (K015):

- ♦ Unit 2 – Poured Atmospheric Drains Tank. Installed rebar and formed the Air Receiver pedestals. Excavating miscellaneous support foundations around the freeze pumps. Grading for the far West containment slab (HTF Main Pumps and Freeze Protection Pump area). Working on installing conduit and forming duct bank stub-ups . Unit 1 – Constructing the STG Block and Power Distribution Center 1A Pedestals. Common Area – Backfilling the softener water sump Pit/valve pit.

Site Safety Topic Of The Week:
"Use Care with Compressed Air"

Weather		
Clear	Temp- High 79	Winds- Northwest at 2 mph



Solar Field 2 Block 7



Power Block 2

230 Kv Line and Switchyard(K016):

- ♦ Continue installing ground grid, setting trenway electrical duct banks and underground conduit in Switchyard 2.

Solar Field Header Piping (K021):

- ♦ Welding and installing pipe in Unit 2 Blocks 1 and 6. Laying out pipe in Solar Field 2 Block 5.

Power Block Piping and Mechanical(K022):

- ♦ Erecting Expansion Vessel steel and Pipe Rack 24. Installing Handrails on Expansion vessel. Welding down comers and risers on Train 2. Continue fabrication of Siemens pipe.

Evaporation Ponds (K026):

- ♦ Installing secondary liner.

Solar Field Above Ground Electrical (K029):

- ♦ Completed Local Control Box and drive pylon instrumentation installation in Field 2 Ring 3. Continue with flex, tailing in conductors and terminations in Rin3 Field 2.

Power Block Above Ground Electrical(K030):

- ♦ Setting and installing cable tray on motor deck in the ACC, Pipe Rack 23 west and Electrical Building 2.

Air Cooled Condenser (K057):

- ♦ Welding Steam Duct and Collection Condensate Manifolds on street 1. Working riser on streets 3 and 4 . Working air take off system on streets 3 and 4 and drain pipe on streets 2 and 3.

Buildings (K067):

- ♦ Water Treatment building interior rough-ins continue. Admin Building punch-list walk was completed with a list generated.

Welded Demin Tanks(K071):

- ♦ Continue fit and welding on roofs.

Common Area Electrical and Instrumentation (K073):

- ♦ Continue with ground grid installations water treatment and Admin buildings.

Pylon, SCE Assembly and Installation(K100):

- ♦ Completed installing SCE's in Solar Field 2 Block 5. Erecting and aligning pylons in Solar Field 2 Block 5 and 10.

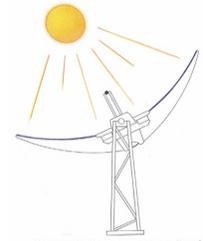
HCE Tube Installation (K102):

- ♦ Fabricating and installing triple joints and fixed ends in Solar Field 2 Block 1.

Personnel Onsite	Total
Genesis Management	40
Compliance Monitors	21
Guardsmark (K005)	5
PSI (K007)	5
Sukut (K008)	10
Crown(K009)	15
Sukut (K010)	10
BPC (K011)	21
PAR Electrical (K012)	6
Largo (K013)	103
Newtron (K014)	21
Largo (K015)	65
EPC (K016)	7
BPC (K021)	19
PMI (K022)	98
Sukut (K026)	12
Newtron (K029)	15
Newtron (K030)	7
SPX (K057)	105
USA Tank (K068)	0
Caldwell Tank (K071)	2
Newtron (K073)	4
BPC(K100)	75
BPC (K102)	62
Sener	7
Total Personnel Onsite	820



Genesis Solar, LLC.
Blythe, California
Daily Report



Genesis Solar Energy Project

Unit 2 COD: November 1st, 2013
Unit 1 COD: April 1st, 2014

November 21, 2012

Safety:

- ♦ No Accident or Injury.

Compliance:

- ♦ No issues to report.

K008 Site Preparation:

- ♦ Retention area riprap and final grade installations continue.

Permanent Site Security and Wind Fence(K009):

- ♦ Installing Wind Fence in Unit 2.

Underground Piping(K011):

- ♦ Installing Waste Water Drains in the Common Area.

Solar Field Foundations (K013):

- ♦ Unit 2 - Drilling Sleepers in Block 8, and setting Tube Steel Assemblies in Block 5 and 10. Constructing Pipe Supports on the South Side of Block 5. Forming Substation 2A. Installing rebar in pipe bridges. Unit 1 – Layout for Sleepers in Block 1/2.

Solar Field Underground Electrical (K014):

- ♦ Continue with ground grid installation in Field 2 Rings 10 and 9. Continue backfill/compaction Ring 10 and excavation in Ring 9. Excavating 5kv trench from Ring 8 to Ring 9.

Power Block Foundations (K015):

- ♦ Unit 2 – Constructing the Air Receiver pedestals, miscellaneous support foundations around the freeze pumps, ductbank stub-ups. Forming and Grading for the far West containment slab (HTF Main Pumps and Freeze Protection Pump area). Backfilled the Auxilary Transformer. Unit 1 – Constructing the STG Block and Power Distribution Center 1A Pedestals. Common Area – Completed Backfilling the softner water sump Pit/valve pit.

230 Kv Line and Switchyard(K016):

- ♦ Continue installing ground grid, setting trenway electrical duct banks and underground conduit in Switchyard 2.

Site Safety Topic Of The Week:
"Use Care with Compressed Air"

Weather		
Clear	Temp- High 79	Winds- Northwest at 2 mph



Evaporation Ponds



Power Block 2

Solar Field Header Piping (K021):

- ♦ Welding and installing pipe in Unit 2 Blocks 1 and 6. Laying out pipe in Solar Field 2 Block 5.

Power Block Piping and Mechanical(K022):

- ♦ Erecting Expansion Vessel steel and Pipe Rack 24. Installing Handrails on Expansion vessel. Welding down comers and risers on Train 2. Continue fabrication of Siemens pipe. Installing pipe on Pipe Rack 23, 24 and 25 Pipe Racks. Installing Main Transformer steel walkway.

Evaporation Ponds (K026):

- ♦ Collection sump piping and backfill continued along with riprap installations.

Solar Field Above Ground Electrical (K029):

- ♦ Drive pylon instrumentation installation in Field 2 Ring 3. Continue with flex, tailing in conductors and terminations in Rin3 Field 2.

Power Block Above Ground Electrical(K030):

- ♦ Setting and installing cable tray on motor deck in the ACC, Pipe Rack 23 west and Electrical Building 2.

Air Cooled Condenser (K057):

- ♦ Collection Condensate Manifolds on Street 1. Working riser on streets 3 and 4 . Working air take off system on streets 3 and 4 and drain pipe on streets 2 and 3. Receiving material for Unit 1 and prepping foundations for steel erection.

Buildings (K067):

- ♦ Water Treatment building interior finish continued. Working on punch list items in the Admin Building.

Welded Demin Tanks(K071):

- ♦ No Work.

Common Area Electrical and Instrumentation (K073):

- ♦ Continue with ground grid installations water treatment and Admin buildings.

Pylon, SCE Assembly and Installation(K100):

- ♦ Completed installing SCE's in Solar Field 2 Block 5. Erecting and aligning pylons in Solar Field 2 Block 5 and 10.

HCE Tube Installation (K102):

- ♦ Fabricating and installing triple joints and fixed ends in Solar Field 2 Block 1.

Personnel Onsite	Total
Genesis Management	40
Compliance Monitors	21
Guardsmark (K005)	5
PSI (K007)	5
Sukut (K008)	10
Crown(K009)	15
Sukut (K010)	10
BPC (K011)	21
Largo (K013)	103
Newtron (K014)	21
Largo (K015)	65
EPC (K016)	7
BPC (K021)	19
PMI (K022)	98
Sukut (K026)	12
Newtron (K029)	15
Newtron (K030)	7
SPX (K057)	105
USA Tank (K068)	0
Caldwell Tank (K071)	0
Newtron (K073)	4
BPC (K100)	85
BPC (K102)	62
Sener	7
Total Personnel Onsite	812



Unit 2 COD: November 1st, 2013
 Unit 1 COD: April 1st, 2014

November 26, 2012

Safety:

- ♦ No Accident or Injury.

Compliance:

- ♦ No issues to report.

Permanent Site Security and Wind Fence(K009):

- ♦ Installing Wind Fence in Unit 2.

Underground Piping(K011):

- ♦ Demobilizing and working on punch list items.

Solar Field Foundations (K013):

- ♦ Unit 2 - Drilling Sleepers in Block 8 and West of the Power Block, setting Tube Steel Assemblies in Block 10, pouring on the North side of Block 8. Constructing Pipe Supports on the South Side of Block 5 and 9. Installing forms and bolts for Substation 2A. Installing rebar in pipe bridges. Unit 1 – Layout and drilling for Sleepers in Blocks 1/2.

Solar Field Underground Electrical (K014):

- ♦ Installing ground grid, rods and test wells in Power Block 1 and Field 2 Rings 9 and 8. Repair ground conductors in ACC area at Power Block 2. Backfilling Ring 10 Field 2. Installing power cable and control in Ring 9 and excavation of trenches in Ring 8.

Power Block Foundations (K015):

- ♦ Unit 2 – Constructing small foundations contained within the far West containment slab (HTF Main Pumps and Freeze Protection Pump area). Working on installing conduit and forming duct bank stub-ups by the Electrical building. Excavating for duct banks to the diesel generator and to the Solar field on the West side of the Power Block. Installing Rebar in Power Distribution Center 2D, Started Layout and excavation on the added foundations under the ACC. Unit 1 – Constructing the STG Block and stripping Power Distribution Center 1A Pedestals. Common Area – Backfilling the Firewater pump house duct bank.

230 Kv Line and Switchyard(K016):

- ♦ Continue installation ground grid, rods and wells, also underground conduit and trenway.

Site Safety Topic Of The Week:
"Spotter Usage"

Weather		
Clear	Temp- High 79	Winds- Northwest at 2 mph



Solar Field 2 Pipe Bridge



Power Block 2

Solar Field Header Piping (K021):

- ♦ Welding and installing pipe in Unit 2 Blocks 1 and 6. Laying out pipe in Solar Field 2 Block 5.

Power Block Piping and Mechanical(K022):

- ♦ Installing transformer platform steel and detailing Expansion Vessel steel. Welding Train 2 down comers. Installing pipe on Pipe Rack 24 and control valves on turbines.

Evaporation Ponds (K026):

- ♦ Installing secondary liner.

Solar Field Above Ground Electrical (K029):

- ♦ Installation of LOC's, raceway, instruments and terminations in Field 2 Ring 4 and 2. Installing ground conductor for Substation 2A and 2B with underground conduit for 2B.

Power Block Above Ground Electrical(K030):

- ♦ Installation of cable tray ACC unit, cable rack, electronics building, receiving materials and equipment to support contract.

Air Cooled Condenser (K057):

- ♦ Welding Steam Duct Manifolds and Collection Condensate Manifolds on Streets 1 and 2. Working Turbine Exhaust Duct Risers. Installing drain pipe on Streets 1 and 2. Shaking out steel in Unit 1 for installation on Streets 3 and 4.

Buildings (K067):

- ♦ Water Treatment building interior finishes continue. Working on punch list items in the Admin Building.

Bolted Tanks (K068):

- ♦ Continued dome roof panel installation.

Welded Demin Tanks(K071):

- ♦ Performing post weld heat treatment on Unit 2 tank and prepping for vacuum seal test this week.

Common Area Electrical and Instrumentation (K073):

- ♦ Continue with ground grid installations in Common Area.

Pylon, SCE Assembly and Installation(K100):

- ♦ Installing SCE's in Solar Field 2 Block 5. Erecting and aligning pylons in Solar Field 2 Block 10. Leveling SCE's in Solar Field 2 Block 2.

HCE Tube Installation (K102):

- ♦ Fabricating and installing triple joints and fixed ends in Solar Field 2 Block 1.

Personnel Onsite	Total
Genesis Management	40
Compliance Monitors	21
Guardsmark (K005)	5
PSI (K007)	5
Crown(K009)	15
Sukut (K010)	10
BPC (K011)	13
Largo (K013)	103
Newtron (K014)	21
Largo (K015)	69
EPC (K016)	7
BPC (K021)	21
PMI (K022)	98
Sukut (K026)	12
Newtron (K029)	15
Newtron (K030)	7
SPX (K057)	105
USA Tank (K068)	7
Caldwell Tank (K071)	3
Newtron (K073)	4
BPC (K100)	85
BPC(K100)	75
Sener	7
Total Personnel Onsite	810



Unit 2 COD: November 1st, 2013
 Unit 1 COD: April 1st, 2014

November 27, 2012

Safety:

- ♦ No Accident or Injury.

Compliance:

- ♦ No issues to report.

Permanent Site Security and Wind Fence(K009):

- ♦ Installing Wind Fence in Unit 2.

Underground Piping(K011):

- ♦ Demobilizing and working on punch list items.

Solar Field Foundations (K013):

- ♦ Unit 2 - Drilling Sleepers in Block 8 and West of the Power Block, setting Tube Steel Assemblies in Block 10, pouring on the North side of Block 8. Constructing Pipe Supports on the South Side of Block 5 & 9 drilling on the North side of Block 9. Poured Substation 2A. Installing rebar in pipe bridges. Unit 1 – Layout and drilling for Sleepers in Blocks 1/2.

Solar Field Underground Electrical (K014):

- ♦ Installing ground grid, rods and test wells in Power Block 1 and Field 2 Rings 9 and 8. Backfilling Ring 10 Field 2. Installing power cable and control in Ring 9 and excavating Ring 8.

Power Block Foundations (K015):

- ♦ Unit 2 – Poured pedestals on the small foundations contained within the far West containment slab (HTF Main Pumps and Freeze Protection Pump area). Installed conduit by the Electrical building. Poured Power Distribution Center 2D, Excavated some of the added foundations under the ACC. Continued work on the Lube oil foundation. Unit 1 – Constructing the STG Block and Working on the HTF Drain pit and the Main Transformer blast wall. Common Area – Laid out for foundations for aquatic foundations, and poured one pad by the Water treatment building.

230 Kv Line and Switchyard(K016):

- ♦ Continue installation ground grid, rods and wells, also underground conduit and trenway.

Site Safety Topic Of The Week:
"Spotter Usage"

Weather		
Clear	Temp- High 81	Winds- Northwest at 3 mph



Solar Field 2 Pipe Bridge 1



Power Block 2

Solar Field Header Piping (K021):

- ♦ Welding and installing pipe in Unit 2 Blocks 1 and 6.

Power Block Piping and Mechanical(K022):

- ♦ Detailing Expansion Vessel steel. Installing Control Valves on High Pressure Turbine. Prep for Generator Cooler install Welding Train 2 down comers. Installing pipe on Pipe Rack 24, 23, 25. Prepared for upcoming grouting.

Evaporation Ponds (K026):

- ♦ Installing secondary liner.

Solar Field Above Ground Electrical (K029):

- ♦ Installation of LOC's, raceway, instruments and terminations in Field 2 Ring 4 and 2. Installing ground conductor for Substation 2A and 2B with underground conduit for 2B.

Power Block Above Ground Electrical(K030):

- ♦ Installation of cable tray ACC unit, cable rack, electronics building, receiving materials and equipment to support contract.

Air Cooled Condenser (K057):

- ♦ Welding Steam Duct Manifolds and Collection Condensate Manifolds on Streets 1 and 2. Working Turbine Exhaust Duct Risers. Installing drain pipe on Streets 1 and 2. Shaking out steel in Unit 1 for installation on Streets 3 and 4.

Buildings (K067):

- ♦ Water Treatment building interior finishes continue. Working on punch list items in the Admin Building.

Bolted Tanks (K068):

- ♦ Continued dome roof panel installation.

Welded Demin Tanks(K071):

- ♦ Performing post weld heat treatment on Unit 2 tank.

Common Area Electrical and Instrumentation (K073):

- ♦ Continue with ground grid installations in Common Area.

Pylon, SCE Assembly and Installation(K100):

- ♦ Installing SCE's in Solar Field 2 Block 5. Erecting and aligning pylons in Solar Field 2 Block 10. Leveling SCE's in Solar Field 2 Block 2.

HCE Tube Installation (K102):

- ♦ Fabricating and installing triple joints and fixed ends in Solar Field 2 Block 1.

Personnel Onsite	Total
Genesis Management	40
Compliance Monitors	21
Guardsmark (K005)	5
PSI (K007)	5
Crown(K009)	15
Sukut (K010)	10
BPC (K011)	13
Largo (K013)	103
Newtron (K014)	21
Largo (K015)	69
EPC (K016)	7
BPC (K021)	21
PMI (K022)	98
Sukut (K026)	12
Newtron (K029)	15
Newtron (K030)	7
SPX (K057)	105
USA Tank (K068)	7
Caldwell Tank (K071)	3
Newtron (K073)	4
BPC (K100)	85
BPC(K100)	75
Sener	7
Total Personnel Onsite	810



Unit 2 COD: November 1st, 2013

Unit 1 COD: April 1st, 2014

Safety:

- ♦ No Accident or Injury.

Compliance:

- ♦ No issues to report.

Permanent Site Security and Wind Fence(K009):

- ♦ Installing Wind Fence in Unit 2.

Underground Piping(K011):

- ♦ Demobilizing and working on punch list items.

Solar Field Foundations (K013):

- ♦ Unit 2 - Drilling Sleepers West of the Power Block, setting Tube Steel Assemblies in Block 10, pouring on the North side of Block 8. Constructing Pipe Supports on the South Side of Block 9 and drilling on the North side of Block 9. Stripping forms from Substation 2A, Installing rebar in pipe bridges. Unit 1 – Drilling for Sleepers on the East side of Blocks 2, and pouring and forming on the North side of Block 2.

Solar Field Underground Electrical (K014):

- ♦ Continued ground grid installation at Power Block 2 and East end Field 2 Rings 10, 9, 8. Installation of power cable and control and communication cable Field 2 Ring 9, backfill/compaction and testing Ring 10, continue trench excavation and ground whips to power poles.

Power Block Foundations (K015):

- ♦ Unit 2 – Continued working on the far West containment slab (HTF Main Pumps and Freeze Protection Pump area), duct bank by the Electrical building, Excavating some of the added foundations under the ACC, Continued work on the Lube oil foundation, and excavated for Power Block to Solar Field Duct banks on the West side of the Power Block. Unit 1 – Constructing the STG Block and Working on the HTF Drain pit and the Main Transformer blast wall. Common Area – Laying out for aquatic foundations.

230 Kv Line and Switchyard(K016):

- ♦ Continue ground and U/G conduit installation switchyard 2, completed kickoff meeting for transmission part of contract and logistic for power poles to project. Begin delivery 12/5/12.

Site Safety Topic Of The Week:
"Spotter Usage"

Weather		
Clear	Temp- High 81	Winds- Southwest at 5 mph



Power Block 2 Feed Water Structure



Power Block 2 West Containment Slab

Solar Field Header Piping (K021):

- ♦ Welding and installing pipe in Unit 2 Blocks 1 and 6.

Power Block Piping and Mechanical(K022):

- ♦ Set Expansion Vessel and Installing Control Valves on High Pressure Turbine. Prep for Generator Cooler install Welding Train 2 down comers. Installing pipe on Pipe Rack 24, 23, 25. Prepared for upcoming grouting.

Evaporation Ponds (K026):

- ♦ Installing secondary liner.

Solar Field Above Ground Electrical (K029):

- ♦ LOC and 480v panel installation Field 2 Ring 2. Continue raceway and instrument installation, with tailing cable and terminations for Ring 4, ground and conduit rough in for 2A solar field substation.

Power Block Above Ground Electrical(K030):

- ♦ Installing cable tray supports in Power Block 2 ACC unit, tray rack 23 and Elect/Electronic building.

Air Cooled Condenser (K057):

- ♦ Welding Steam Duct Manifolds and Collection Condensate Manifolds on Streets 1 and 2. Working Turbine Exhaust Duct Risers. Installing drain pipe on Streets 1 and 2. Shaking out steel in Unit 1 for installation on Streets 3 and 4.

Buildings (K067):

- ♦ Water Treatment building interior finishes continue. Working on punch list items in the Admin Building.

Bolted Tanks (K068):

- ♦ Installing dome panels and handrail on roof.

Welded Demin Tanks(K071):

- ♦ Performing post weld heat treatment on Unit 2 tank.

Common Area Electrical and Instrumentation (K073):

- ♦ Installing common area ground grid, building rebar cages to support direct burial cabling under common area road ways.

Pylon, SCE Assembly and Installation(K100):

- ♦ Installing SCE's in Solar Field 2 Block 5. Erecting and aligning pylons in Solar Field 2 Block 10. Leveling SCE's in Solar Field 2 Block 2.

HCE Tube Installation (K102):

- ♦ Fabricating and installing triple joints and fixed ends in Solar Field 2 Block 1.

Personnel Onsite	Total
Genesis Management	40
Compliance Monitors	21
Guardsmark (K005)	5
PSI (K007)	6
Crown(K009)	6
Sukut (K010)	10
BPC (K011)	7
Largo (K013)	103
Newtron (K014)	21
Largo (K015)	69
EPC (K016)	7
BPC (K021)	25
PMI (K022)	113
Sukut (K026)	12
Newtron (K029)	15
Newtron (K030)	7
SPX (K057)	105
USA Tank (K068)	7
Caldwell Tank (K071)	3
Newtron (K073)	4
BPC (K100)	85
BPC(K102)	63
Sener	7
Total Personnel Onsite	803



Unit 2 COD: November 1st, 2013
 Unit 1 COD: April 1st, 2014

November 30, 2012

Safety:

- ♦ No Accident or Injury.

Compliance:

- ♦ No issues to report.

Permanent Site Security and Wind Fence(K009):

- ♦ No Work.

Underground Piping(K011):

- ♦ No Work.

Solar Field Foundations (K013):

- ♦ No Work.

Solar Field Underground Electrical (K014):

- ♦ No Work.

Power Block Foundations (K015):

- ♦ Unit 2 – Continued working on the far West containment slab (HTF Main Pumps and Freeze Protection Pump area), poured duct bank by the Electrical building, Installing rebar in some of the added foundations under the ACC, Continued work on the Lube oil foundation & Ullage foundation, constructing the steam duct drains tank, and pouring for Power Block to Solar Field Duct banks on the West side of the Power Block. Unit 1 – Constructing the STG Block and Working on the HTF Drain pit, the Main Transformer blast wall, and excavated the remainder of the STG North/South pipe way. Common Area – Laying out, forming and excavating for aquatic foundations.

230 Kv Line and Switchyard(K016):

- ♦ Continue ground and U/G conduit installation Switchyard 2. Prepping for pole deliveries next week.

Solar Field Header Piping (K021):

- ♦ Welding and installing pipe in Unit 2 Blocks 1 and 6.

Power Block Piping and Mechanical(K022):

- ♦ Welding Train 2 down comers. Installing pipe on Pipe Rack 24, 23, 25. Detailing Expansion Vessel Steel and Boiler Feed Water Structure. Grouting HTF Vessels. Installing control valves on High Pressure Generator.

Site Safety Topic Of The Week:
"Spotter Usage"

Weather		
Clear	Temp- High 79	Winds- Southwest at 5 mph



Power Block 2



Dome Roof Install on Filtered Water Tank

Evaporation Ponds (K026):

- ♦ Installing secondary liner.

Solar Field Above Ground Electrical (K029):

- ♦ No Work.

Power Block Above Ground Electrical(K030):

- ♦ No Work.

Air Cooled Condenser (K057):

- ♦ Welding Steam Duct Manifolds and Collection Condensate Manifolds on Streets 1 and 2. Working Turbine Exhaust Duct Risers. Installing drain pipe on Streets 1 and 2. Installing Riser on Street 3. Prepping Riser to install on Streets 1 and 2. Shaking out steel in Unit 1 for installation on Streets 3 and 4.

Buildings (K067):

- ♦ Water Treatment building interior finishes continue. Working on punch list items in the Admin Building.

Bolted Tanks (K068):

- ♦ Set dome roof on Filtered Water Tank and began to install flashing.

Welded Demin Tanks(K071):

- ♦ No Work.

Common Area Electrical and Instrumentation (K073):

- ♦ No Work.

Pylon, SCE Assembly and Installation(K100):

- ♦ Installing SCE's in Solar Field 2 Block 5. Erecting and aligning pylons in Solar Field 2 Block 10. Leveling SCE's in Solar Field 2 Block 2.

HCE Tube Installation (K102):

- ♦ Fabricating and installing triple joints and fixed ends in Solar Field 2 Block 1. Performed pneumatic test on first two loops in Solar Field 2 Block 1.

Personnel Onsite	Total
Genesis Management	40
Compliance Monitors	21
Guardsmark (K005)	5
PSI (K007)	6
Crown(K009)	0
Sukut (K010)	10
BPC (K011)	0
Largo (K013)	0
Newtron (K014)	0
Largo (K015)	69
EPC (K016)	7
BPC (K021)	25
PMI (K022)	113
Sukut (K026)	12
Newtron (K029)	0
Newtron (K030)	0
SPX (K057)	105
USA Tank (K068)	7
Caldwell Tank (K071)	0
Newtron (K073)	0
BPC (K100)	85
BPC(K102)	63
Sener	7
Total Personnel Onsite	637



Genesis Solar Electric Project
11995 Wiley Wells Road
Blythe, CA 92225
Mailing Address:
PO Box 2370
Blythe, CA 92226

November 20, 2012

Mr. Christopher Meyer
Project Manager
180 Promenade Circle, Suite 150
Sacramento, CA 95834

**RE: Genesis Solar Energy Project (09-AFC-8)
Condition of Certification CUL-08**

Dear Mr. Meyer,

Pursuant the Condition of Certification, Cul-08 the Genesis Solar Energy Project is informing you of an unscheduled work event that occurred, outside the fence, at approximately 2:15 p.m. on Monday November 19, 2012. Par Electric, a Genesis Contractor, was scheduled to work in power block 2, unit 2. This scheduled work was noted by the Compliance Team and Monitors were present during this work task.

At approximately 2:30 p.m. the Designated Biologist, Eric German, informed Jennie Gavaldon of the discovery work occurring on the north shoulder line poles, just outside the tortoise fence. I asked him to stop work and I immediately called the Cultural Monitor Lead to inspect the areas that were in question. Nothing was found. I also requested that the contract manager (Jay Hathaway) and the project manager (Bill Watson) view the area in question.

PAR Contractors was leaving the site when they recognized the additional P.O. scope of work that required the crew to repair the flood damage along the access road, at the base of the 12KV power poles. PAR had not scheduled the flood mitigation repair work and proceeded to initiate work without prior authorization or knowledge from the Genesis Solar Energy Project Contract Coordinator.

From the prints, it appeared the Par Contractors used their boots and a shovel to fill the erosion. No new holes were present or excavated nor was virgin ground disturbed. The materials utilized were previously disturbed spoils that had been disturbed on no less than three previous separate occasions. Those occasions were; 1) during construction of the access road, 2) utility pole installation and 3) gas line installation.

To maintain and strengthen best practice management, the Compliance Team immediately recognized the importance to address this issue. Although the necessity to monitor previously disturbed soil was not needed for this instance, the Compliance Team recognized the possibility of future activities in undisturbed soil could easily occur during similar breakdowns in

communications. This near miss type incident was insightful and provided opportunity for the Genesis Project to strengthen our overall communications.

A meeting with Bill Watson; Project Manager, Eric German; Designated Biologist, Bryan Gorrie; Cultural Lead, Charlyn Mosely; Operations Compliance Manager, Art Lopez; Native American Monitor, and Jay Hathaway; Contract Manager was conducted. An investigation commenced at 3:00 p.m. The following bullet point was identified as root cause, resulting from our analysis.

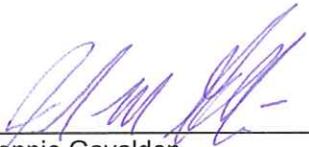
- Par Electric gave no prior notice of work task and their activity was not scheduled.

To ensure positive compliance going forward the following bullet points will ameliorate this issue and will take affect immediately;

- All future Contractor P.O.s shall include the following statements:
 - The Contract Coordinator will ensure compliance issues and expectations are reviewed with the Contractor prior to the start of work.
 - No work will be permitted without prior monitor notification.
- When a Contractor has been away from site longer than a 120 day period, WEAP training will be required again.
- All new Contractors will check in with the Compliance Team prior to start of work during the kick off phase.

Should you have further questions regarding this notification, please feel free to call me at 951-634-2395.

Respectfully,



Jennie Gavaldon
Compliance Manager
Genesis Solar Energy Project
Jennifer.Gavaldon@Nexteraenergy.com
951-634-2395

cc: CEC (E. Veerkamp)
File copy

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
Thur. 11/01	166951	170090	243220		
Fri. 11/02	168612	170566	243969		
Sat. 11/03	168612	170566	243969		
Sun. 11/04	168612 acre feet x .001	170566 acre feet x .001	243969 acre feet x .001	78762 00 (out of service)	Friday reading 11/02
Mon. 11/05	168990	170935	244295		
Tue. 11/06	169359	171260	244616		
Wed. 11/07	169744	171673	244946		
Thur. 11/08	170020	171985	245414		
Fri. 11/09	170186	172269	245876		
Sat. 11/10	170186	172269	245876		
Sun. 11/11	170186 acre feet x .001	172269 acre feet x .001	245876 acre feet x .001	78762 00 (out of service)	Friday reading 11/09
Mon. 11/12	170929	172593	246330		
Tue. 11/13	171231	172902	246729		
Wed. 11/14	170849 New Meter installed	173193	247157		
Thu. 11/15	107(not running)	173480	247593		
Fri. 11/16	107	173787	248082		
Sat. 11/17	107	173787	248082		
Sun. 11/18	107 acre feet x .001	173787 acre feet x .001	248082 acre feet x .001	78762 00 (out of service)	Friday reading 11/16
Mon. 11/19	107	174113	248545		
Tue. 11/20	107	174410	249059		
Wed. 11/21	107	174721	249456		
Thur. 11/22	107	175031	249900		
Fri. 11/23	107	175358	250370		
Sat. 11/24	107	175358	250370		
Sun. 11/25	107 acre feet x .001	175358 acre feet x .001	250370 acre feet x .001	78762 00 (out of service)	Friday reading 11/23
Mon. 11/26	107	175667	250831		
Tue. 11/27	107	175979	251287		
Wed. 11/28	107	176285	251690		
Thur. 11/29	107	176592	252210		
Fri. 11/30	107	176530	252683		