

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

**Genesis Solar, LLC**

## **Monthly Compliance Report #20 June**

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

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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 June, 2012.

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

- Ongoing design tasks and agency consultation.
- Continued New Employee site specific Safety Training and Worker's Environmental Awareness Training.
- Contract Managers were trained on the required procedures included in the Spill Prevention Control and Countermeasure Plan. **(Training sheet included in Appendix G)**
- 90% of Electrical Building 2 was completed.
- Crews began setting steel structures in Unit 2
- Caisson drilling continued in Unit 2.
- Power block footings were poured along with slab and grade beam pours.
- Applying soil stabilizer in channels C and D continued.
- Commenced trenching for the permanent Tortoise fence and post installation.
- Continued ground cable and rod installation in Power Block 2
- Continued Firewater main excavation and installation at Power Block 2
- Continued SCE installation in Unit 1

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](mailto:Jennifer.Gavaldon@nexteraenergy.com)

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

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

### **AQ-SC1: Air Quality Construction Mitigation Manager**

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

No new applications were submitted in June 2012.

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

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

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

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

- All workers have been instructed in fugitive dust prevention as part of their Workers Environmental Awareness Program training.
- Fugitive dust control mitigation measures have been a topic at contractor tailboard meetings once a week or more, depending upon weather conditions. During the month of June, wind gusts caused work stoppages and equipment slowdowns.
- No vehicle shall exceed 10 mile per hour on unpaved areas within the construction site, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions.
- Speed limit signs are posted at the lay-down areas and along the access roads for the full length of the project. Dusk and dawn speed limit signs annotating the 35 mph limit continue to be a discussion with contractors to remind them of the reduction in speed during the dusk and dawn hours.
- As per AQ-SC3 all soil piles have been treated with water and/or tackifier to reduce dust plumes during windy conditions.

- All roads have had water applied to them regularly to reduce dust plumes from moving vehicles.
- Areas where dirt roads intersect asphalt roads have had a 20' X 50' rock pad installed to reduce tracking onto the road.
- A track out, on the entrance to the public road, has been installed to reduce any track out.
- All diesel-powered equipment over 50 HP has been required to use ultra-low sulfur diesel and have been maintained in proper operating condition.
- No diesel equipment has been allowed to idle in excess of 5 minutes.

#### **AQ-SC4: Dust Plume Response Requirement**

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

As per AQ-SC4 a policy of fugitive dust monitoring has been put into place. In addition to the AQCM, 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 AQCM 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 AQCM 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.

<b>Air Quality Construction Mitigation Plan : Fugitive Dust Response Record</b>			
<b>Date</b>	<b>Activity</b>	<b>Response</b>	<b>Duration</b>
6/18/12	Work Stoppage	High Winds	2 hours

#### **AQ-SC5: Diesel Engine Emissions - Monitoring and Reporting**

Requirement: The AQCM 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 June, are provided in Appendix A. The equipment complies with the California Tier 3 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:**

The monthly raven observations recorded in June 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.

No special status plants have been observed during construction monitoring. ESA's were checked to ensure stakes and signs are in place. Revegetation of the south access road was completed by the designated botanist, Alice Karl. Continued monitoring of the plant status and road access is completed weekly.

**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 to date during construction. 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 June, the total number of personnel who received the Construction Worker Environmental Awareness Training was 232. The number of personnel who have received the training to date is 2070. 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 issues in the month of June.

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.

Disturbance activity associated with fence installation; all drainages crossed are located, soil removed and/or leveled to allow potential flow in the event of rain event. No other activity at this time.

**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 June.

See Appendix G

**TRANS-3: Public ROW Encroachment**

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

Flour Civil Engineers continue to work with Caltrans. Flour engineers will have the 30% design submitted to Caltrans in 3 to 4 weeks. The project is moving forward to design and develop the encroachment area in question.

**TRANS-4: Hazmat Transport Permits/Licenses**

Requirement: Report hazardous material transport permits received.

*Earliest delivery anticipated fall 2012.*

**WASTE-6: Hazardous Waste Generator Identification Number**

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

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

**WORKER SAFETY-3: Construction Safety Supervisor - Staff Assignment**

Requirement: Submit compliance documentation and inspection approvals.

There were 5 first aids reported for the month of June. The details are included in the Safety Summary which can be found under Appendix F

Weekly bulletins and contractor audit inspection sheets 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.

*2 invoices totaling \$326,332.04 were paid to the CBO during the month of June.*

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

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

*An additional inspector was approved on June 13, 2012 (Jim Perryman). The approval is included in Appendix G.*

**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 noncompliance reports.

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 June.

**PAL-5: PRS Monitoring and Stop Work Authority**

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

Monitoring for Paleontological Resources was ongoing throughout the month of June. Two or three Paleontological Resource Monitors were onsite on construction days depending on the number of potentially significant activities occurring and need for monitoring night work. One small mammal fossil was observed on June 5 and was deemed non-significant and was

recorded but not collected by the Paleontological Resource Monitors. A second fossil, an interior tortoise carapace, was found on June 8. It was recorded and collected by the Monitor. No additional fossils were observed.

See Appendix E (Submitted separately under confidential cover)

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

Requirement: Submit schedule updates.

See Appendix D

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

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

No activities have taken place.

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

No delay submissions have taken place this month

**COMPLIANCE-5 - Compliance Matrix**

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

The Compliance Matrix is enclosed

**COMPLIANCE-6 – Monthly Compliance Report**

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

See Appendix G

## Compliance Matrix

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
x			AQ-SC1	Assign Air Quality Construction Mitigation Manager	Fluor	> 30d pt gd	3-Dec-10	16-Nov-10	Approved 12/2/2010
	x		AQ-SC1	AQCMM remain onsite to monitor construction activities	Fluor	Ongoing			
x			AQ-SC2	Prepare Air Quality Construction Mitigation Plan (AQCMP)	Fluor	> 30d pt gd	3-Dec-10	23-Nov-10	Approved 12/2/2010
	x		AQ-SC3	AQCMM to submit compliance documentation to the CPM in each Monthly Compliance Report.	Fluor	Monthly			
	x		AQ-SC3	Implement Dust Control BMPs	Fluor		3-Jan-11		
	x		AQ-SC3	Stabilize all disturbed areas after construction activities.	Fluor	Construction Completion	1-Jul-14		
	x		AQ-SC4	Implement Dust Plume Response Requirement	Fluor		3-Jan-11		
	x		AQ-SC4	Submit information on dust plume observations, response, and list of equipment onsite in Monthly Report.	Fluor	Monthly	Monthly		
	x		AQ-SC4	Monitor all construction activities for visible dust plumes. If plumes observed, implement mitigation as specified.	Fluor	Ongoing			
	x		AQ-SC5	Implement Diesel-Fueled Engine Control	Fluor		3-Jan-11		
	x		AQ-SC5	Submit compliance documentation in Monthly Compliance Report.	Fluor	Monthly	Monthly		
	x		AQ-SC5	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)	Fluor	Ongoing			
		x	AQ-SC6	Update Fleet Plan every other year. Submit the Fleet Plan with Annual Report.	Operations	Annually			
	x		AQ-SC6	Submit to the CPM a Fleet Plan for vehicles dedicated to mirror washing and maintenance activities.	Fluor	> 30d pt operation	31-Mar-13		
	x		AQ-SC7	Submit Operations Dust Control Plan.	Fluor	> 30d pt operation	31-Mar-13		
		x	AQ-SC7	Implement all requirements of the Operations Dust Control Plan	Operations	Ongoing			
		x	AQ-SC7	Submit report identifying locations of all speed limit signs, and a copy of the training manual.	Fluor	< 60d after start of operation	29-Jun-13		
x	x	x	AQ-SC8	Submit all modified or revised ATC/PTO documents and all federal air permits.	Tetra Tech	< 15d of receipt			Approved 1/14/2011
x	x	x	AQ-SC8	Submit copies of District issued Authority to Construct & Permit to Operate Documents.	Tetra Tech	< 5d from date of submittal or receipt			
		x	AQ-1	Operate NG boilers in compliance with all data and specifications submitted with application.	Operations	Ongoing			
		x	AQ-2	Fuel equipment only with NG. Operate and maintain in accordance with manufacturer recommendations.	Operations	Ongoing			
		X	AQ-3	Emissions shall not exceed the following hourly emission limits (see full text)	Operations	Ongoing			
		x	AQ-3	Submit emissions compliance documentation in Annual Compliance Report.	Operations	Annually			
		x	AQ-4	Maintain an operations log on-site and current for a minimum of five (5) years.	Operations	Ongoing, 5 yrs			
		x	AQ-4	Make the site available to the District, ARB, and the Energy Commission for inspection of records.	Operations	Ongoing			
		x	AQ-6	Submit test results within 180 days of initial start up.	Fluor	< 180d after initial start up	28-Oct-13		
	x		AQ-6	Notify agencies within fifteen working days before the initial MDAQMD compliance test.	Fluor	< 15d prior to test			

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
		x	AQ-7	Perform annual MDAQMD compliance tests.	Operations	Annually			
		x	AQ-7	Submit results report to the District no later than six weeks prior to the expiration date of this permit.	Operations	< 6w pt expiration of permit			
		x	AQ-9	Ullage tanks - This system shall store only HTF.	Operations	Ongoing			
		x	AQ-10	Monitor VOC output, sample weekly. Calibrate FID on day of use. Maintain log of weekly sampling results and keep log onsite. Provide sampling log to District upon request.	Operations	Weekly	1-May-13		
		x	AQ-10	Operate ullage tanks system with the carbon adsorption system. [VOC and Benzene emissions cap, see full text]	Operations	Ongoing			
		x	AQ-10	Submit compliance documentation in Annual Compliance Report.	Operations	Annually			
		x	AQ-10	Submit a yearly summary report of all VOC emissions.	Operations	Jan-31 Annually			
	x		AQ-10	Submit a monitoring and change-out plan for the system.	Fluor	pt initial start up	30-Apr-13		
		x	AQ-10	Submit initial test results within 180 days after startup.	Fluor	< 180d after initial start up	28-Oct-13		
	x		AQ-11	Submit an HTF Ullage/Exp. Tanks vent release Inspection, Maintenance and Monitoring Plan.	Fluor	> 30d pt taking delivery of the HTF			
	x		AQ-12	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			
		x	AQ-12	Make the site available to the District, ARB, and the Energy Commission for inspection of records.	Operations	Ongoing			
	x		AQ-12	Submit to CPM an HTF Ullage/Exp. Tanks - Inspection, Maintenance and Monitoring Plan for review.	Fluor	> 30d pt taking delivery of the HTF			
		x	AQ-12	Submit volume of HTF removed and added in Annual Report.	Operations	Annually			
	x		AQ-13	Submit a report of test results to the District.	Fluor	< 45d after test			
	x		AQ-13	Notify District prior to testing.	Fluor	10d prior to test			
	x		AQ-13	Provide a written test plan for District review and approval.	Fluor	30d prior to test			
		x	AQ-13	Submit to the District a compliance test protocol.	Operations	< 60d after initial start up	29-Jun-13		
		x	AQ-14	Perform initial compliance tests in accordance with the MDAQMD Compliance Test Procedural Manual. Submit test report.	Operations	< 180d after initial start up	28-Oct-13		
		x	AQ-15	Make the site available to the District, ARB, and the Energy Commission for inspection of records.	Operations	Ongoing			
		x	AQ-15	Perform annual compliance tests in accordance with the MDAQMD Compliance Test Procedural Manual.	Operations	Annually			
		x	AQ-15	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			
		x	AQ-15	Retain all annual test records for 5 yrs.	Operations	Ongoing, 5 yrs			

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
		x	AQ-16	Include Ullage/tank emission rate caps compliance documentation in Annual Report.	Operations	Annually			
		x	AQ-16	Maintain emission rates below specified volumes.	Operations	Ongoing			
	x	x	AQ-17	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			
		x	AQ-18	Operate cooling towers in compliance with all data and specifications submitted in application.	Operations	Ongoing			
		x	AQ-19	Operate cooling towers in compliance with all manufacturer specifications.	Operations	Ongoing			
		x	AQ-20	Comply with drift rate emissions cap ( <i>see full text</i> ).	Operations	Ongoing			
	x		AQ-20	Submit manufacturer guarantee data for the drift eliminator.	Fluor	> 30d pt cooling tower operation			
		x	AQ-20	Submit compliance documentation on operating emission rates with Annual Report.	Operations	Annually			
	x		AQ-22	Submit a test and emissions calculation protocol.	Fluor	> 30d pt testing			
		x	AQ-23	Submit compliance documentation with Annual Report.	Operations	Annually			
		x	AQ-23	Do not operated for more than 3,200 hours per rolling twelve month period and more than 15 hours per calendar day.	Operations	Ongoing			
		x	AQ-24	Maintain operations log onsite for 5 years.	Operations	Ongoing			
		x	AQ-24	Make site available for inspection of records and equipment by representatives of the District, ARB, and the Energy Commission.	Operations	Ongoing			
		x	AQ-25	Make available compliance documentation for inspection by representatives of the District, ARB, and the Energy Commission	Operations	Ongoing			
		x	AQ-26	Operate generators in compliance with all manufacturer specifications.	Operations	Ongoing			
		x	AQ-27	Use only ultra-low sulfur diesel fuel. Retain fuel purchase records.	Operations	Ongoing			
	x		AQ-28	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			
		x	AQ-29	Use limited to emergency power. Operate no more than 50hr/yr for testing and maintenance.	Operations	Ongoing			
		x	AQ-30	Maintain a operations log for a minimum of two years.	Operations	Ongoing 2 yrs after start of operations			
		x	AQ-30	Make records available to the District for three years.	Operations	Ongoing 3 yrs after start of operations			
		x	AQ-30	Submit compliance documentation in Annual Report.	Operations	Annually			
		x	AQ-30	Make site and records available for inspection by representatives of the District, ARB, and the Energy Commission.	Operations	Ongoing			
		x	AQ-31	Do not use generators during a voluntary power outage or reduction.	Operations	Ongoing			
		x	AQ-32	Operate generators <30 minutes pt ordered outage. Shut down immediately after advised that the outage is no longer imminent or in effect.	Operations	Ongoing			
		x	AQ-33	Operate and maintain equipment in accordance with ATCM for Stationary Compression Ignition Engines.	Operations	Ongoing			

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
	x		AQ-34	Submit the engine specifications regarding NSPS and ARB ATCM emission limit requirements.	Fluor	> 30d pt purchase			
		x	AQ-34	Operate and maintain equipment in compliance with requirements of the NSPS for Stationary Compression Ignition Internal Combustion Engines.	Operations	Ongoing			
	x	x	AQ-35	Install, operate and maintain equipment in accordance with manufacture recommendations and with all data and specifications submitted with permit application.	Fluor / Operations	Ongoing			
		x	AQ-36	Use only ultra-low sulfur diesel fuel for equipment.	Operations	Ongoing			
	x		AQ-37	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			
		x	AQ-38	Limit use for emergency power. Operate < 50hrs/yr for testing.	Operations	Ongoing			
		x	AQ-39	Maintain an operations log for this unit current and on-site, for three years.	Operations	3 yrs after start of operations	1-May-13		
		x	AQ-39	Submit compliance documentation in Annual Report.	Operations	Annually			
		x	AQ-40	Operate and maintain equipment in accordance with ATCM for Stationary Compression Ignition Engines.	Operations	Ongoing			
		x	AQ-41	Operate and maintain equipment in compliance with requirements of the NSPS for Stationary Compression Ignition Internal Combustion Engines.	Operations	Ongoing			
	x		AQ-41	Submit the engine specifications demonstrating compliance with NSPS and ARB ATCM emission limit requirements.	Fluor	> 30d pt purchase			
	x	x	AQ-42	Post the required toll-free number on the equipment.	Fluor / Operations	Ongoing			
		x	AQ-43	Maintain an inspection, repair and maintenance log onsite for at least two years.	Operations	2 yrs after start of operations	1-May-13		
	x	x	AQ-44	Submit any modification to the piping or control fitting of the vapor recovery system for review and approval.	Fluor / Operations	Ongoing			
	x	x	AQ-45	Equip the vapor vent pipes with Husky 5885 pressure relief valves or as otherwise allowed by EO.	Fluor	Ongoing			
		x	AQ-46	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		
		x	AQ-46	Submit results of pressure checks.	Operations	< 30d after test			
		x	AQ-46	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			
		x	AQ-46	Make test results available to CPM upon request.	Operations	Ongoing			
	x		AQ-46	Notify District pt testing. (initial and annual)	Fluor	> 10d prior to test			
		x	AQ-46	Submit passing test reports to District.	Operations	< 6w pt expiration of permit			
	x	x	AQ-47	Install and maintain aboveground storage tank and vapor recovery system in compliance with California Health and Safety Code.	Fluor / Operations	Ongoing			
		x	AQ-48	Maintenance and repair of system components shall be performed by OPW Certified Technicians.	Operations	Ongoing			
		x	AQ-49	Maintenance intervals shall be conducted by an OPW trained technician annually.	Operations	Annually			

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
		x	AQ-51	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			
x			BIO-1	Assign Designated Biologist	Tetra Tech	> 30d pt gd	3-Dec-10	27-Sep-10	Approved 6/08/2011
	x		BIO-2	Include documentation of biological resource compliance in the Monthly Compliance Reports.	Tetra Tech	Monthly	Monthly		
		x	BIO-2	Des Bio to submit bio compliance documentation through operations, unless approved by the CPM.	Tetra Tech	Annually			
x	x		BIO-2	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;	Tetra Tech				
		x	BIO-2	Submit BRMIMP compliance summary reports in Annual Compliance Report.	Tetra Tech	Ongoing			
	x		BIO-2	Des Bio Const: Advise Construction and Operation Managers on bio resources and COCs; Train Bio Monitors on BRMIMP, WEAP and USFWS guidelines for tortoise. Oversee monitoring for sensitive bio resources Inspect areas of active construction at beginning and end of day for trapped animals. Inspect areas of high traffic activity for animals in harm's way; Notify Owner and CPM of any NCRs Communicate directly with CDFG, USFWS, and CEC, responding to inquiries Submit BRMIMP compliance summary reports in Monthly Compliance Report. Submit BRMIMP compliance summary reports in Annual Compliance Report.	Tetra Tech	Ongoing			
x			BIO-3	Assign Bio Monitors and submit training verification	Tetra Tech	> 30d pt gd	3-Dec-10	17-Dec-10	Approved 1/14/2011
	x		BIO-3	Submit information on additional bio monitors, if needed	Tetra Tech	> 10d pt monitoring activity			
		x	BIO-4	Employ a Bio Mon during operations if any action could affect a sensitive bio resource.	Tetra Tech	Ongoing			
	x		BIO-4	Assist with surveys and in monitoring of site mobilization activities.	Tetra Tech	pt construction			
	x		BIO-4	Include BIO-4 compliance documentation in Monthly Compliance Report.	Tetra Tech	Monthly	Monthly		
	x		BIO-4	Bio Mons assist DB with surveys and monitoring disturbance activities.	Tetra Tech	Ongoing			
	x	x	BIO-5	Des Bio to notify agencies if there a stop work order.	Tetra Tech	Ongoing			
x			BIO-6	Prepare and Submit WEAP (including trainer resume)	Tetra Tech	> 30d pt gd	3-Dec-10	3-Dec-10	
		x	BIO-6	Conduct training annually for perm. Employees and within one week of arrival for new staff.	Operations	Annually			
	x		BIO-6	Submit training records in the Monthly Compliance Report.	Flour	Monthly			
	x	x	BIO-6	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			

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
x			BIO-6	Submit Final WEAP.	Tetra Tech	> 10d pt gd	23-Dec-10	13-Jan-11	Approved 1/14/2011
		x	BIO-6	Keep signed training forms on site for >6m after start of operations and 6m after staff dismissal.	Operations	> 6m Operations	1-May-13		
x	x		BIO-7	Submit the revised or supplemented BRMIMP.	Tetra Tech	< 10d of receipt of addl permits			
x			BIO-7	Submit Draft BRMIMP	Tetra Tech	> 30d pt site mobilization	14-Nov-10	23-Nov-10	
x		x	BIO-7	Conduct Aerial Surveys and submit pre-const. photos for review	Tetra Tech	after construction completion	30-Jun-14		
		x	BIO-7	Construction disturbance verification - submit post-construction aerial images of the project site .	Fluor	< 90d after construction completion	28-Sep-14		
x	x		BIO-7	Submit any outstanding permits within 5 days of receipt and revise BRMIMP accordingly.	Tetra Tech	< 5d of receipt			
x	x		BIO-7	Include BIO-7 compliance documentation in Monthly Compliance Report.	Tetra Tech	Monthly			
x			BIO-7	Submit final BRMIMP.	Tetra Tech	> 7d pt gd	26-Dec-10	22-Feb-11	Approved 4/15/2011
	x	x	BIO-7	Submit to the CPM a Construction Termination Report.	Tetra Tech	< 30d after construction completion	30-Jul-14		
x			BIO-8	Flag Project boundary in consultation with Des Bio and confine all disturbance and vehicles to within boundary. - PHASE I	Fluor	pt construction	27-Dec-10		Completed according to owner, reported on 4/1/2012
	x		BIO-8	Flag Project boundary in consultation with Des Bio and confine all disturbance and vehicles to within boundary. - PHASE II	Fluor	pt construction	26-May-11		Completed according to owner, reported on 4/1/2012
	x		BIO-8	Speed limit = 25 mph on all dirt roads and 45 mph on all paved roads.	Fluor	Ongoing			
	x		BIO-8	Signs - Post speed limit signs at entrances and wildlife signs at potential crossing areas.	Fluor	Ongoing			
	x		BIO-8	Water - prevent puddles from forming. Bio Monitor must patrol areas watered outside fence to ensure no puddles form.	Fluor	Ongoing			
	x		BIO-8	Use non-toxic soil bonding and weighting agents on unpaved surfaces.	Fluor	Ongoing			
x	x		BIO-8	If an active bird nest is detected, submit Nesting Bird Monitoring and Management Plan	Tetra Tech	< 7d pt noisy construction in nesting habitat	27-Dec-10	2/29/2011	Approved 3/14/2011
			BIO-8	Include BIO-8 compliance documentation in Annual Compliance Report.	Tetra Tech	Annually			
	x		BIO-8	Include BIO-8 compliance documentation in Monthly Compliance Report.	Tetra Tech	monthly	Monthly		
x	x		BIO-8	Design facility lighting to prevent side casting of light towards wildlife habitat.	Fluor				
	x		BIO-8	Immediately clean up and properly dispose of all hazardous material spills and any contaminated soil.	Fluor	Ongoing			
	x		BIO-8	Des. Bio or Bio Monitor must walk immediately ahead of equipment during brushing and grading activities in unfenced habitat.	Tetra Tech / Fluor	Ongoing			
	x		BIO-8	Stockpile spoil and topsoil in disturbed areas lacking native vegetation and are not habitat for special-status species.	Tetra Tech / Fluor	Ongoing			
	x		BIO-8	Des. Bio must be onsite during disturbance-activities in unfenced areas.	Tetra Tech / Fluor	Ongoing			
	x		BIO-8	Install and maintain facility lighting downward. Use minimum lighting needed, including motion or infrared sensors.	Tetra Tech / Fluor	Ongoing			

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
	x		BIO-8	Avoid loud construction activities (>65dBA) from February 15 to April 15 in nesting habitat. (See full text for exceptions).	Tetra Tech / Fluor	Ongoing			
	x		BIO-8	Backfill or slope all open trenches outside fenced area at end of day. Inspect open trenches at beginning, throughout and end of day.	Tetra Tech / Fluor	Ongoing			
	x		BIO-8	Cap or elevate (>8" above ground) all pipes greater than 3" diameter and outside fenced area. OR inspect before moving.	Tetra Tech / Fluor	Ongoing			
	x		BIO-8	Remove road-killed animals on Project roads. Contact agencies immediately if animal is a special-status species.	Tetra Tech / Fluor	Ongoing			
	x		BIO-8	Service vehicles and equipment in designated areas only. Service/maintenance vehicles must carry a bucket and pads to absorb leaks or spills.	Tetra Tech / Fluor	Ongoing			
	x		BIO-8	Keep all food and trash in self-closing containers and remove from site daily.	Tetra Tech / Fluor	Ongoing			
	x		BIO-8	Workers must not feed wildlife or bring pets to the Project site.	Tetra Tech / Fluor	Ongoing			
	x		BIO-8	No firearms or weapons onsite.	Tetra Tech / Fluor	Ongoing			
	x		BIO-8	Stabilize all disturbed soils and roads (const and oper).	Tetra Tech / Fluor	Ongoing			
	x		BIO-8	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.	Tetra Tech / Fluor	Ongoing			
	x		BIO-8	If activities btwn Feb15 to Apr15 may result in noise >65 dBA in bird nesting habitat, submit nest survey results (as described in 9a).	Tetra Tech	< 7d before noisy construction	14-Feb-11		
x			BIO-8	Designated Biologist must monitor ground disturbing activities prior to pre-construction site mobilization.	Tetra Tech / Fluor	pt site mobilization	14-Dec-10		
x	x		BIO-8	Locate parking areas, staging and disposal site locations in areas without native vegetation or special-status species habitat.	Tetra Tech / Fluor				
	x		BIO-8	Park and store vehicles within exclusion fence. If not possible, check under vehicle for tortoise before moving.	Tetra Tech / Fluor				
	x		BIO-9	Flag and survey the alignments for the permanent perimeter fence and utility rights-of-way fencing <24hrs PT fence construction.	Fluor	< 24hrs pt fence construction			
	x		BIO-9	Submit DT survey reports.	Tetra Tech	< 30d after survey complete		9-May-11	Approved as per CITS, returned on 5/13/2011.
	x		BIO-9	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.	Tetra Tech	< 24hr following rain event			
	x		BIO-9	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.	Tetra Tech	< 48hrs following rain event			
	x		BIO-9	If tortoises were relocated during fence installation, inspect fences at least two times a day for the first 7 days.	Tetra Tech	Monthly	Monthly		
x			BIO-9	Install exclusion (supervised by Des. Bio or Monitors) fencing PT site clearing and grubbing.	Fluor	pt clearing and grading	4-Jan-11		Completed, reported on 4/1/2012.
	x		BIO-9	Report following Desert Tortoise Clearance Surveys	Tetra Tech	< 30d following survey completion			

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
	x		BIO-9	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			
x			BIO-9	Design security gates with minimal ground clearance to deter ingress by tortoises.	Fluor			1-Apr-11	Approved 4/15/2011
x	x		BIO-10	Submit a Translocation Plan status report following translocation of a DT.	Tetra Tech	< 30d after initiation of relocation			
x			BIO-10	Submit final version of Desert Tortoise Translocation Plan.	Tetra Tech	< 30d pt site mobilization	14-Nov-10	9-Feb-11	Approved 2/25/2011
	x		BIO-11	Des Bio must be onsite daily during ground-disturbing construction activities located beyond permanent fencing.	Tetra Tech	Ongoing			
	x	x	BIO-11	Provide agencies with reasonable access to the Project site and compensation lands.	NextEra	Ongoing			
		x	BIO-11	Submit a Final Listed Species Mitigation Report.	Tetra Tech	< 45d after initial start up	14-Jun-13		
	x		BIO-11	Des. Bio to conduct compliance inspections at least once per month after grading is completed.	Tetra Tech	Monthly	Monthly		
x	x		BIO-11	DesBio - Notify agencies immediately of any injured or dead listed species. Follow up with written notification within 2 days.	Tetra Tech	< 2d of discovery			
x			BIO-11	Des Bio - Notify the CPM > 14d pt construction ground disturbance.	Tetra Tech	> 14d pt gd	19-Dec-10	6-Jan-11	Approved 1/12/2011
	x		BIO-11	Notify the CPM immediately of any NCR.	Tetra Tech	upon discovery			
	x		BIO-12	Submit PAR analysis for compensation lands.	Tetra Tech	< 60d after CPM approval			
	x		BIO-12	Submit an Acquisition Proposal compensation lands.	Tetra Tech	< 12m after start of construction	21-May-12		
	x		BIO-12	Fund activities for Des Tort compensation. Submit verification of funding to CPM.	NextEra	< 60d CPM determining requirements			
	x		BIO-12	Complete initial protection and improvement activities of mitigation lands. Submit verification to CPM.	Tetra Tech	< 6m CPM determining requirements			
	x		BIO-12	If delegated to third party, complete acquisition within 18 months of gd activities.	NextEra	< 18m after start of gd	25-Jun-12		
		x	BIO-12	Provide to agencies a total disturbance acreage, including B/A aerial photography.	Fluor	< 90d after completion of gd	28-Sep-14		
	x		BIO-12	If mitigation is not completed 30d pt gd, post security for funding.	NextEra	> 30d pt gd	26-Apr-11		
x			BIO-12	Notify (written) CPM of gd activity commencement.	Tetra Tech	> 30d pt gd	3-Dec-10	6-Jan-11	Approved 1/11/2011
	x		BIO-12	Submit a Preliminary Title Report, initial hazardous materials survey report, biological analysis for compensation land.	Tetra Tech				
x	x		BIO-12	Fund long-term maintenance and management activities of the compensation lands. Submit verification of funding.	NextEra	< 30d after CPM approval			
	x		BIO-12	Acquire and transfer fee title to the compensation lands, a conservation easement over the lands, or both.	Tetra Tech				
	x		BIO-12	Alternative to compensation lands, contribute funds to the Renewable Energy Action Team (REAT).	NextEra				
	x		BIO-12	Submit a Management Plan for Compensation Lands.	Tetra Tech	< 180d after acquisition			
		x	BIO-13	Submit a status report of the Raven Management Plan implementation.	Tetra Tech	< 30d after start of operation	30-May-13		
x			BIO-13	Submit final Raven Management Plan.	Tetra Tech	> 30d pt construction	3-Dec-10	3-Dec-10	
x			BIO-13	Post payment to the REAT Account for Regional Raven Management Program. Submit documentation of payment..	NextEra	< 10d pt Project-related gd	24-Dec-10	2-Mar-11	Approved 3/2/2011
		x	BIO-13	Include the status of the Raven Management Plan implementation in Jan 31 report during operations.	Tetra Tech	Jan-31 Annually			
	x	x	BIO-13	Implement the approved Raven Management Plan.	Tetra Tech / Operations	Ongoing			
x			BIO-14	Submit final Weed Management Plan.	Tetra Tech	> 10d pt Project-related gd	23-Dec-10	10-Jan-11	Approved 1/11/2011

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
		x	BIO-14	Submit a status report of Weed Management Plan implementation.	Tetra Tech	< 30d after start of operation	30-May-13		
	x	x	BIO-14	Implement the Weed Management Plan.	Tetra Tech / Operations	Ongoing			
		x	BIO-14	Submit a status report of Weed Management Plan implementation in Jan 31 report during operation.	Tetra Tech	Jan-31 Annually			
		x	BIO-15	Submit summary report of nest buffer zones in Jan 31 report during operations.	Tetra Tech	Jan-31 Annually			
x	x		BIO-15	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.	Tetra Tech	until fledged	After Feb 1		
x	x		BIO-15	Conduct two pre-construction nest surveys. If construction is inactive for > 3 weeks, additional surveys may be required.	Tetra Tech	< 7d pt construction	26-Dec-10		
x	x		BIO-15	Submit letter report of nest survey results.	Tetra Tech	pt gd	2-Jan-11	19-Aug-11	Approved 8/22/2011
	x		BIO-15	Avoid construction in buffer zones established for active bird nests as determined and flagged by Des Bio.	Tetra Tech	until fledged			
x			BIO-16	Submit a final Avian Protection Plan.	Tetra Tech	> 30d pt construction-related gd	3-Dec-10	6-Jan-11	Approved 1/11/2011
	x	x	BIO-16	Implement an Avian Protection Plan	Tetra Tech / Operations	Ongoing			
	x	x	BIO-16	Report project-related bird deaths or injuries to agencies.	Tetra Tech	Ongoing			
		x	BIO-16	Continue quarterly and annual reporting on APP until agencies determine not necessary.	Tetra Tech	Ongoing			
		x	BIO-16	Submit report of study design and results after two years of data collection.	Tetra Tech	< 3yr after start of operation	14-Apr-16		
		x	BIO-16	Submit quarterly monitoring reports of APP status. Follow up with an annual report (Jan 31).	Tetra Tech	Jan-31 Annually			
	x		BIO-17	Submit a report of badger and kit fox survey results.	Tetra Tech	< 30d after survey complete		9-May-11	Approved, returned on 5/13/2011.
	x		BIO-17	Perform pre-construction surveys for badger and kit fox dens.	Tetra Tech	pt construction	17-Apr-11	9-May-11	Approved, returned on 5/13/2011.
x			BIO-18	If an active owl burrow is detected: Notify agencies that a relocation of owls is necessary.	Tetra Tech	> 10d after survey complete			
		x	BIO-18	Submit results of monitoring and management of compensation lands.	Tetra Tech	Jan-31 Annually for first 5yrs of operations			
	x		BIO-18	If an active owl burrow is detected: Provide a land management plan.	Tetra Tech	< 90d after acquisition			
	x		BIO-18	Submit verification to agencies that compensation land or easements have been acquired.	Tetra Tech	< 18m after start of construction	16-Nov-12		
x	x		BIO-18	Submit burrowing owl compliance documentation in monthly compliance report.	Tetra Tech	Monthly			
	x		BIO-18	If an active owl burrow is detected: Submit acquisition proposal and a PAR analysis.	Tetra Tech	> 90d pt acquisition			

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
x			BIO-18	Conduct pre-construction surveys for burrowing owls.	Tetra Tech	< 30d pt construction	4-Dec-10	2-Mar-11	Approved 3/14/2011
x	x		BIO-18	If an active owl burrow is detected: Establish Non-Disturbance Buffer Fencing (250 radius). Provide documentation that fence has been installed.	Tetra Tech	> 10d pt construction-related gd	23-Dec-10		
x	x		BIO-18	If an active owl burrow is detected: Provide land/mitigation compensation security verification.	Tetra Tech	> 30d pt construction-related gd	3-Dec-10		
		x	BIO-18	Submit a Construction Termination Report identifying status of owl mitigation.	Tetra Tech	< 30d Start of Operations	30-May-13		
x			BIO-18	If an active owl burrow is detected: Submit Burrowing Owl Relocation and Mitigation Plan.	Tetra Tech	< 30d after survey complete	3-Dec-10	10-Jan-11	Approved 3/14/2011
x			BIO-19	<u>Rare Plant Surveys</u> - Submit drawings and plans with ESAs and Section A Measures.	Tetra Tech	> 30d pt gd	3-Dec-10		
	x		BIO-19	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	22-Nov-11		
	x		BIO-19	If a Distribution Study is implemented as contingency mitigation, complete implementation within 2yrs of start of construction.	Tetra Tech	< 24m after start of construction	15-May-13		
x			BIO-19	If compensatory mitigation is required, post Security for acquisition and enhancement funds.	NextEra	> 30d pt gd	3-Dec-10		
x			BIO-19	<u>Rare Plant Surveys</u> - Submit data, field forms and summary of results.	Tetra Tech	< 2w after survey complete		22-Oct-10	Approved 11/2/2010
x			BIO-19	Compensatory Mitigation: post security.	NextEra	> 7d pt gd	27-Dec-10		
	x		BIO-19	Habitat Enhancement: Submit Security adequate for long-term implementation and monitoring of the Habitat Enhancement / Restoration Plan.	Tetra Tech				
x			BIO-19	<u>Rare Plant Surveys</u> - Submit the Final Summer-Fall Botanical Survey Report.	Tetra Tech	> 30d pt gd	3-Dec-10		No rare plants found during fall surveys, letter sent 10/22/2010
	x		BIO-19	Habitat Enhancement: If proposed, secure approval of a Habitat Enhancement/Restoration Plan.	Tetra Tech	< 6m after start of construction	22-Nov-11		
x			BIO-19	<u>Rare Plant Surveys</u> - Submit draft Special-Status Plant Mitigation Plan.	Tetra Tech	> 30d pt gd	3-Dec-10		Not necessary as no rare plants found
x	x	x	BIO-19	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				
	x		BIO-19	<u>Compensatory Mitigation</u> : Deposit the required funds and submit verification of deposit.	NextEra	> 30d after acquisition			
	x		BIO-19	<u>Status and Distribution</u> : Post funds for selected mitigation.	NextEra	< 18m after start of gd	25-Jun-12		
	x		BIO-19	<u>Compensatory Mitigation</u> : Submit a formal acquisition proposal and draft Management Plan.	Tetra Tech	> 90d pt acquisition			
	x		BIO-19	Submit compliance documentation of special-status plant avoidance and minimization measures in the Monthly Compliance Reports.	Tetra Tech	Monthly	Monthly	n/a	
	x		BIO-19	Compensatory Mitigation: Complete acquisition and submit verification.	Tetra Tech	< 18 m after start of gd	25-Jun-12		
	x		BIO-19	Habitat Enhancement: initiate activities > 12m from the start of construction.	Tetra Tech	< 12m after start of construction	21-May-12		

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
	x		BIO-19	Compensatory Mitigation: Submit any agreements with an approved, delegated third party.	Tetra Tech	> 90d pt acquisition			
	x		BIO-19	Status and Distribution: If selected, initiate study <6m after gd.	Tetra Tech	< 180d after gd	1-Jul-11		
	x		BIO-19	Status and Distribution: If selected, submit draft and final study within 24m and 30m after gd, respectively.	Tetra Tech	< 24m after start of gd	22-Dec-12		
	x	x	BIO-19-A	Select, install and maintain ECDs such that special-status plants are not directly or indirectly affected (seed mixes, hay, runoff).	Fluor	Ongoing			
x			BIO-19-A	Assign a Designated Botanist.	Tetra Tech	none	none	27-Sep-10	Approved 10/15/10
x			BIO-19-A	Include Special-Status Plant discussion in the Worker Environmental Awareness Program (WEAP).	Tetra Tech		3-Dec-10		Approved 1/14/2011
x			BIO-19-A	Establish and mark boundaries for ESAs PT start of any ground- or vegetation-disturbing activities.	Tetra Tech	pt gd	2-Jan-11		
	x	x (closure)	BIO-19-A	Designated Botanist: monitor disturbance activities weekly.	Tetra Tech	Weekly	3-Jan-11		
x			BIO-19-A	Incorporate site design modifications to minimize impacts to special-status plants along the Project linears.	Fluor				
		x	BIO-19-A	Des Bio: Protect special-status plant species within 100ft of Project Boundaries during operations.	Tetra Tech	Ongoing			
	x	x	BIO-19-A	Maintain a 100-ft buffer around ESAs. (vehicles, wash stations, storage, equipment, etc)	Fluor	Ongoing			
	x		BIO-19-A	Protect special-status plants within 100ft of site boundaries from drift of herbicides and stabilizer.	Fluor / Operations	Ongoing			
x			BIO-19-B	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.	Tetra Tech	pt construction	2-Jan-11		
x			BIO-19-B	Prior to the start of surveys, all crew members must visit reference sites (where available)	Tetra Tech	pt plant survey		completed	
x			BIO-19-C	Collect seeds from affected Special-Status Plants and arrange for long-term storage prior to construction.	Tetra Tech	pt construction	2-Jan-11		
x			BIO-19-C	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	Surveys completed. No rare plants found. COC not applicable.	
x			BIO-20	Post security for acquisitions and enhancement of MFTL habitat.	NextEra	> 30d pt construction-related gd	3-Dec-10	27-Dec-10	Approved 1/4/2011
	x		BIO-20	Submit a MFTL Compensation Land Management Plan and associated funding.	Tetra Tech	< 180d after acquisition			
		x	BIO-20	Submit final accounting of MFTL habitat disturbed during construction within 90d of construction completion.	Tetra Tech	< 90d after start of operation	29-Jul-13		

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
	x		BIO-20	Submit a formal acquisition proposal and PAR analysis.	Tetra Tech	> 90d pt acquisition			
	x		BIO-20	Complete MFTL compensation land acquisition and submit verification.	Tetra Tech	< 18m after start of construction	16-Nov-12		
	x		BIO-20	Provide funding for MFTL compensation lands OR deposit funds into NFWF's REAT Account.	NextEra				
		x	BIO-21	Report any dead wildlife to Des Bio <24hrs. Des Bio must report to agencies ,48hrs.	Tetra Tech / Operations	< 1d of detection			
		x	BIO-21	If no entanglements are detected after 12 months, continue to monitor quarterly.	Tetra Tech	quarterly	Quarterly		
		x	BIO-21	Submit quarterly reports to agencies for first year of operation. Thereafter, submit reports annually.	Tetra Tech	quarterly	Quarterly		
		x	BIO-21	If after 12 quarterly inspections there are no entanglements, continue biannually (spring, fall).	Tetra Tech	biannually			
		x	BIO-21	Submit annual reports no later than January 31 of each year.	Tetra Tech	Jan-31 Annually			
		x	BIO-21	Netting cannot touch the water in evap ponds.	Operations	Ongoing			
		x	BIO-21	Consult with agency regarding removal of injured wildlife in evap ponds.	Tetra Tech	Ongoing			
	x		BIO-21	Install a visual deterrent in addition to the mesh cover.	Fluor				
		x	BIO-21	Submit as-built drawings and photos of evap ponds	Fluor	> 30d pt operation	31-Mar-13		
		x	BIO-21	Des Bio or Monitor must inspect netting monthly during operation.	Tetra Tech	monthly	Monthly		
	x		BIO-22	Submit a draft Management Plan for the drainages on the acquired compensation lands.	Tetra Tech / Fluor	< 180d after acquisition			
	x	x	BIO-22	Provide a copy of Condition of Certification BIO-22 to allr on-site personnel (detailing Stop Work Authorities).	Tetra Tech / Fluor	Ongoing			
x			BIO-22	Notify agencies prior to disturbance and completion of work in jurisdictional waters.	Tetra Tech / Fluor	> 5d pt construction-related gd in state waters	27-Dec-10	6-Jan-11	Approved 1/11/2011
		x	BIO-22	Include a discussion of work in waters of the state in Annual Compliance Reports.	Tetra Tech / Fluor	Annually	Annual		
	x		BIO-22	Include a discussion of work in waters of the state in Monthly Compliance Reports.	Tetra Tech / Fluor	Monthly	Monthly		
		x	BIO-22	Submit a final accounting of disturbance to jurisdictional waters during construction.	Tetra Tech / Fluor	< 90d after start of operation	29-Jul-13		
	x		BIO-22	Transfer fee title or submit a conservation easement for compensation lands.	Tetra Tech / Fluor				
x			BIO-22	Provide verification of Security 30d pt CR gd.	NextEra	> 30d pt construction-related gd	3-Dec-10		1/4/2011

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
	x	x	BIO-22	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 washing, or other activities to enter ephemeral drainages or be placed in locations that may be subjected to high storm flows. Comply with all litter and pollution laws. Locate spoil sites at least 30 feet from the boundaries and drainages or in locations that may be subjected to high storm flows, where spoils might be washed back into drainages. Prevent hazMat from contaminating the soil and/or entering waters of the state. Do not place any material of any kind (including soil) into or capable of going into waters of the state. Remove excess material after operations is complete. Do not perform equipment maintenance within 150ft of a drainage.	Fluor	Ongoing			
x			BIO-22	Provide written verification (i.e., through incorporation into the BRMIMP) to the CPM that BMPs shall be implemented.	Tetra Tech / Fluor	> 30d pt construction-related gd in state waters	28-Dec-10	6-Jan-11	Approved 1/12/2011
		x	BIO-22	Submit a report of monitoring and management of compensation lands.	Tetra Tech	Jan-31 Annually			
	x		BIO-22	Submit verification of acquisition.	Tetra Tech / Fluor	< 18m after start of construction	16-Nov-12		
		x	BIO-22	Include a copy of the notifying change of conditions report in the annual reports.	Tetra Tech / Fluor	Annually			
x	x		BIO-22	Notify agencies of any change of conditions to the Project (site conditions, impacts, mitigation).	Tetra Tech / Fluor	< 7d upon discovery			
		x	BIO-22	Include a copy of the notifying change of conditions report in the annual reports.	Tetra Tech / Fluor	Annually			
x			BIO-23	Post security for Decommissioning and Closure Plan.	NextEra	> 10d pt construction-related gd	23-Dec-10	6-Jan-11	Approved 1/11/2011
		x	BIO-23	Revise and submit Decommissioning and Closure Plan every 5yrs during operations.	Operations	every 5yrs			
		x	BIO-23	Implement a final Decommissioning and Closure Plan.	Operations	Project closure			
x			BIO-23	Submit a draft Decommissioning and Closure Plan.	Worley Parsons	> 30d pt construction-related gd	3-Dec-10	25-Aug-10	Approved 10/15/2010
	x	x	BIO-24	Submit status report of Reveg Plan yearly.	Tetra Tech	Jan-31 Annually			
	x	x	BIO-24	Implement Revegetation Plan.	Fluor	Ongoing			
x			BIO-24	Submit to the CPM a final agency-approved Revegetation Plan.	Tetra Tech	> 30d pt construction-related gd	3-Dec-10	30-Dec-10	Approved 1/11/2011
		x	BIO-24	Provide compliance documentation and status of completion of the Reveg Plan.	Tetra Tech	< 30d after construction completion	30-Jul-14		
		x	BIO-27	Conduct Spadefoot Toad surveys. Submit findings	Tetra Tech	Oct-10	30-Oct-10	25-Oct-10	
		x	BIO-27	If ponds are created, submit compliance documentation yearly.	Tetra Tech	Jan-31 Annually			
	x		BIO-27	If ponds are created, provide as-built drawings and photos.	Tetra Tech	> 90d pt operation	30-Jan-13		
x			BIO-27	Submit a final CST Protection and Mitigation Plan.	Tetra Tech	> 30d pt construction-related gd	3-Dec-10	11-Jan-11	Approved 1/11/2011

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
	x	x	BIO-27	Implement a CST Protection and Mitigation Plan.	Tetra Tech	Ongoing			
	x		BIO-28	If a nest is found, notify agencies submit final Golden Eagle Monitoring and Management Plan.	Tetra Tech	< 30d after detection		23-Jun-11	Approved 6/30/2011
	x		BIO-28	Survey for golden eagle annually during construction.	Tetra Tech	Annually			
	x		BIO-28	Submit results of eagle inventory.	Tetra Tech	< 30d of survey completion			
x			BIO-29	Notify CEC if an in-lieu fee is preferred for bio mitigation.	NextEra	pt construction-related gd	2-Jan-11		
x			CUL-1	Submit notice of fund transfer.	NextEra	< 10d of transfer		27-Sep-10	Approved 10/15/10
x			CUL-1	Contribute funds for the PTNCL Documentation and Possible NRHP Nomination program.	NextEra	upon receipt of invoice		27-Sep-10	Approved 10/15/10
x			CUL-2	Submit notice of fund transfer.	NextEra	< 10d of transfer		27-Sep-10	Approved 10/15/10
x			CUL-2	Contribute funds for the Documentation and Possible NRHP Nomination program (DTCCL)	NextEra	upon receipt of invoice		27-Sep-10	Approved 10/15/10
x			CUL-3	Assign a cultural resource specialist (CRS).	Tetra Tech	pt site mobilization	14-Dec-10	26-Aug-10	Approved 10/18/10
x	x		CUL-3	Submit resume of CRS replacement (if necessary).	Tetra Tech	10d pt CRS departure			
x			CUL-3	Obtain services of a specialist backhoe operator during excavation of CA-Riv-9072	Tetra Tech				
x	x		CUL-3	CRS to oversee all cultural resources mitigation, monitoring, curation, and reporting activities.	Tetra Tech	Ongoing			
x			CUL-3	Submit resumes for a CRS, alternate CRS (optional), prehistoric archaeologist, ethnographer, historical archaeologist, project geoarchaeologist.	Tetra Tech	> 75d pt gd	19-Oct-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)
x	x		CUL-3	Submit letter with names and quals of <i>additional</i> CR Monitors.	Tetra Tech	5d pt arrival on site	as needed		
x	x		CUL-3	Submit confirmation of CR staff availability for CUL-8, 10, 11, 12 and 17.	Tetra Tech	10d pt data recovery	15-Nov-10		
x			CUL-3	Submit letter with names and quals of CR Monitors.	Tetra Tech	15d pt data recovery	15-Nov-10		
x			CUL-3	Submit letter with names and quals of field crew members.	Tetra Tech	15d pt data recovery	15-Nov-10		
	x		CUL-4	If phased construction schedule changes, submit notice of change.	Tetra Tech	< 5d of decision			
x	x		CUL-4	If construction is phased, submit maps and drawings. Provide phase schedule to CRS and CPM.	Tetra Tech	15d pt start of each phase	18-Dec-10		Approved. Final revised approved 3/9/2011
x			CUL-4	Submit CR data and maps to CR staff and CPM.	Tetra Tech	> 60d pt gd	3-Nov-10	1-Dec-10	
x	x		CUL-4	Submit any changes in footprint.	Tetra Tech	15d pt gd	18-Dec-10	14-Mar-11	Final revised approved 3/9/2011
	x		CUL-4	Submit weekly schedule and location of activities to CRS and CPM during ground disturbance.	Tetra Tech	Weekly	3-Jan-11		
x			CUL-5	Submit information from curation facility.	Tetra Tech	> 30d pt gd	3-Dec-10	12-Nov-10	
x			CUL-5	Submit letter agreement to fund curation fees.	Tetra Tech	> 20d pt gd	13-Dec-10		on file 12/10/2010
x			CUL-5	Submit the CRMMP.	Tetra Tech	> 30d pt gd	3-Dec-10	12-Nov-10	Revised CRMP approved 5/6/2011

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
	x		CUL-6	Submit a draft CR Report (CRR) if requesting suspension of construction (if necessary). Retain a copy of the draft CRR onsite.	Tetra Tech	> 30d after request to suspend construction			
	x		CUL-6	Submit documentation of CRR distribution to parties.	Tetra Tech	< 10d of CRR approval			
		x	CUL-6	Submit the final CRR.	Tetra Tech	< 180d after completion of gd	28-Dec-14		
x			CUL-7	CRS to submit training program.	Tetra Tech	> 30d pt gd	3-Dec-10		Revised 1/13/2011, 6/17/2011, and 7/15/2011
x			CUL-7	CRS to submit WEAP training acknowledgement form.	Tetra Tech	> 15d pt gd	18-Dec-10		
	x		CUL-7	Submit all new WEAP acknowledgement forms and a runny tally of trained employees in monthly compliance report.	Tetra Tech / Fluor	Monthly	Monthly		
	x		CUL-7	Conduct WEAP training for all new workers prior to and during gd (including landscaping)	Tetra Tech / Fluor	Ongoing			
	x		CUL-8	Geoarchaeologist to observe and sample all trenching of Tline as part of PTCNL documentation and possible NRHP nomination program (CUL-1).	Tetra Tech	daily			
x	x		CUL-8	Submit statement daily during gd if "no cultural resources over 50 years of age were discovered".	Tetra Tech	daily	3-Jan-11		
	x		CUL-8	Submit a summary report of CR-related monitoring and any new DPR 523A forms as part of the monthly compliance report.	Tetra Tech	Monthly	Monthly		
	x		CUL-8	Submit justification for reduction or cessation of CRS daily reporting.	Tetra Tech	< 24hrs pt change of reporting			
	x		CUL-8	CR Staff to monitor and maintain daily log on provided forms for all gd activity until the Qoaf alluvium is reached. (including roads)	Tetra Tech	daily			
	x		CUL-8	Include report of any NCRs in monthly compliance report.	Tetra Tech	Monthly			
	x		CUL-8	Notify CPM of NCRs w/in 24 hrs, recommend corrective action.	Tetra Tech	< 24hr of discovery			
x	x		CUL-8	Submit a copy of any Native American employment request and a copy of a response letter.	Tetra Tech	< 15d of receipt		14-Mar-11	Approved 6/23/2011
x			CUL-8	CPM to provide CRS with daily monitoring form.	Tetra Tech	> 30d pt gd	3-Dec-10	26-Nov-10	
x	x		CUL-8	Submit documentation of transmittals to Native American representatives following discovery of cultural material.	Tetra Tech	< 30d upon discovery			
x	x		CUL-8	Submit "discovery" responses from tribes.	Tetra Tech	< 15d of receipt			
x			CUL-9	Submit confirmation that CRS and CR staff have stop-work authority and notification requirements.	Tetra Tech	> 30d pt gd	3-Dec-10		Approved 12/31/2010
x	x		CUL-9	If cultural material is found, notify agencies (<24 hrs), Tribes (48hrs, as appropriate); submit a DPR 523 form; treat find in accordance with CRMMP.	Tetra Tech	< 24hr of discovery			
	x		CUL-10	Implement CRMMP when within 30meters of these sites.	Tetra Tech	Ongoing			
x			CUL-10	Notify CPM that data recovery for small site has begun.	Tetra Tech	> 15d pt data recovery	15-Nov-10		
x			CUL-10	Notify CPM when data recovery is complete.	Tetra Tech	< 1w of data recovery completion		24-May-11	Approved 8/18/2011
	x		CUL-11	Submit letter report of data recovery.	Tetra Tech	< 1w of data recovery completion			
	x	x	CUL-11	Submit to CPM any draft research paper to be presented at a professional organization.	Tetra Tech	> 15d pt presentation			
x			CUL-11	Notify CPM of recovery at large sites.	Tetra Tech	> 45d pt gd at site	19-Nov-10	10-May-11	Approved 8/18/2011
	x		CUL-12	Notify CMP of collection at CA-Riv-9072 is complete and PRIOR to CR gd in that location.	Tetra Tech	< 7d pt gd at site			Approved 8/15/2011
x			CUL-12	Notify CPM that collection at CA-Riv-9072 will commence.	Tetra Tech	> 15d pt data recovery	15-Nov-10		Approved 8/15/2011

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
x			CUL-12	Submit a preliminary letter report detailing finds at CA-Riv-9072. Can be included with report for CUL-11.	Tetra Tech				Approved 3/28/2011
x	x		CUL-13	CA-Riv-0260, CA-Riv-0663, and CA-Riv-9072: avoid impacts to these sites.	Fluor	pt gd within 30m of site			
x	x		CUL-13	Flag buffer zone around sites CA-Riv-0260, CA-Riv-0663, and CA-Riv-9072.	Fluor	pt gd at site	2-Jan-11		Approved 8/22/2011
x	x		CUL-13	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.	Fluor	Monthly	2-Jan-11		
			CUL-16	Submit results of NA consultation					Approved 9/9/2011: Consultation reinitiated with tribes as part of find in 11/2011
			CUL-17	Include in CRMMP a data recovery plan for the historic-period archaeological resources					See approval of letter report
			CUL-17	Submit to CPM letter report that data recovery is complete					Approved February 14, 2011
			CUL-17	Implement CRMMP when within 30meters of these sites.					Complete
			CUL-17	Notify CPM that historic-period site mapping and in-field artifact analysis will commence					Complete
	x		CUL-18	Comply with BLM Programmatic Agreement.	Tetra Tech	Ongoing			A standing agreement
	x	x	HAZ-1	Do not use hazmats not listed, or in quantities listed in App A.	Fluor / Operations	Ongoing			
		x	HAZ-1	Submit a list of haz mats contained at the facility in the Annual Compliance Report.	Fluor / Operations	Annually			
	x		HAZ-2	Submit a final Hazardous Materials Business Plan.	Fluor	> 60d pt receipt of hazmat			Anticipated receipt in June, 2012
	x		HAZ-2	Submit a final Spill Prevention, Control, and Countermeasure Plan.	Fluor	> 60d pt receipt of hazmat			Approved in February, 2012, plan on file
	x		HAZ-2	Submit a final Process Safety Management Plan.	Fluor	> 60d pt receipt of hazmat			Anticipated receipt in June, 2012
	x		HAZ-3	Submit a Safety Management Plan.	Fluor	> 60d pt receipt of hazmat			Anticipated receipt in June, 2012
	x	x	HAZ-3	Implement Safety Management Plan.	Fluor / Operations	Ongoing			
	x		HAZ-4	Submit design drawings showing the number, location, and type of HTF isolation valves.	Fluor	> 30d pt const. of solar array	25-Jun-11		
	x		HAZ-5	Submit a Construction Security Plan Verification. - PHASE II	Fluor	> 30d pt construction	26-Apr-11		
x			HAZ-5	Submit a Construction Security Plan Verification. - PHASE I	Fluor	> 30d pt construction	3-Dec-10	2-Dec-10	Approved 12/10/2010
		x	HAZ-6	Submit statement confirming all employee background checks are complete and appended to Security Plan as part of the Annual Compliance Report.	Fluor / Operations	Annually			
	x		HAZ-6	Submit a Operations Site Security Plan.	Fluor	> 30d pt receipt of hazmat			
		x	HAZ-6	Submit verification Security Plan includes all current hazmat transport vendor certifications as part of the Annual Compliance Report.	Fluor / Operations	Annually			
	x		Public Health-1	Submit a Cooling Water Management Plan.	Fluor	> 60d pt cooling tower operation			

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
x			NOISE-1	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	18-Dec-10		
	x	x	NOISE-1	Maintain telephone number for noise complaints until facility is operational for one year.	Fluor / Operations	1yr			1/14/2011
	x		NOISE-1	Post telephone number for noise complaints at the site during construction, visible to passersby.	Fluor	Ongoing			
x			NOISE-1	Submit statement and documentation of compliance to CPM.	Fluor	pt gd	2-Jan-11		
	x	x	NOISE-2	Document, investigate, evaluate, and attempt to resolve all project-related noise complaints.	Fluor / Operations	Ongoing			
	x	x	NOISE-2	Contact individual making complaint.	Fluor / Operations	< 24hr of receipt			
	x	x	NOISE-2	Submit the Noise Complaint Resolution Form.	Fluor / Operations	< 5d of receipt			
	x	x	NOISE-3	Make the Program available to OSHA upon request.	Fluor / Operations	Ongoing			
x			NOISE-3	Submit a Noise Control Program and a statement of commitment.	Fluor	> 30d pt gd	3-Dec-10	30-Nov-10	12/17/2010
		x	NOISE-4	Submit report of survey findings.	Operations	< 30d after test			
		x	NOISE-4	Make the report available to OSHA and Cal/OSHA upon request.	Operations	Ongoing			
		x	NOISE-4	Conduct an occupational noise survey.	Operations	following first sustained output of 90%			
x			Soil & Water-1	Submit final Drainage Erosion and Sedimentation Control Plan. PHASE I	Fluor	> 30d pt site mobilization	22-Dec-10		Approved 8/22/2011
x			Soil & Water-1	Submit final Drainage Erosion and Sedimentation Control Plan. Phase II	Fluor	> 30d pt site mobilization	31-Mar-11		Approved 8/23/2011
x	x		Soil & Water-1	Submit compliance documentation in the Monthly Compliance Report.	Fluor	Monthly			
		x	Soil & Water-1	Submit results of monitoring and maintenance activities in Annual Compliance Report.	Fluor / Operations	Annually			
	x	x	Soil & Water-1	Update and maintain the DESCP for the life of the Project.	Fluor / Operations	Ongoing			
		x	Soil & Water-2	Submit documentation of mitigation to well owners.	Worley Parsons	< 60d after start of operation	29-Jun-13		
x	x		Soil & Water-2	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			
	x		Soil & Water-2	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			
	x	x	Soil & Water-2	Submit documentation of monetary compensation to well owners.	NextEra	< 30d of payment			
	x	x	Soil & Water-2	If GW levels are lowered >5ft due to Project pumping, provide compensation or mitigation to well owners.	NextEra	Ongoing			
	x	x	Soil & Water-2	Monitor quarterly operational parameters (i.e., pumping rate) of the water supply wells.	Worley Parsons	quarterly			
		x	Soil & Water-2	Submit a 5 year monitoring report.	Operations	5ys after start of operation			
x			Soil & Water-2	Send notices to all owners and conduct a well reconnaissance within 2 miles of the project.	Worley Parsons				

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
	x	x	Soil & Water-2	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			
	x	x	Soil & Water-2	If required, compensate landowners by March 31.	NextEra	Mar-31 Annually			
	x		Soil & Water-2	Notify owners within one month of CPM approving compensation analysis.	Worley Parsons	< 1m CPM approval of comp. analysis			
	x	x	Soil & Water-2	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			
	x	x	Soil & Water-2	Collect water level measurements semi-annually after the first year.	Worley Parsons / Operations	semi-annually after first yr of monitoring			
x	x	x	Soil & Water-2	Submit monitoring reports, complaints, studies and data.	Worley Parsons / Operations	< 10d of receipt			
x			Soil & Water-2	Monitor wells, seeps and springs to establish preconstruction conditions.	Worley Parsons		14-Nov-10		
x			Soil & Water-2	Submit report of all pre-construction items, including calculations and assumptions.	Worley Parsons	> 30d pt construction	3-Dec-10		
		x	Soil & Water-2	CPM to evaluate GW level monitoring program for necessity or modification every 5 years.	CPM	5yrs			Approved 12/21/2010
x			Soil & Water-2	Submit a Groundwater Level Monitoring and Reporting Plan to the CPM for review and approval.	Worley Parsons	> 30d pt construction	3-Dec-10	3-Dec-10	Approved 12/21/2010
	x		Soil & Water-3	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			
	x		Soil & Water-3	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			
	x		Soil & Water-3	Submit all documentation and calculations r.e. compensation for energy costs associated with additional lift requirements.	Worley Parsons	< 30d after approval			
	x	x	Soil & Water-3	Provide compensation by March 31 of each year. (one time for lump sum payments).	NextEra	Mar-31 Annually			
	x	x	Soil & Water-3	Submit a report of compensation provided for increased energy costs.	NextEra	< 30d of payment			
	x	x	Soil & Water-4	Submit to CPM two copies of all operational reports required by the County of Riverside and any changes to operations of well.	Operations	Ongoing			
x	x		Soil & Water-4	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	26-Apr-11		Approved 8/15/2011
	x		Soil & Water-4	Submit documentation that drilling was conducted in compliance with 23 CCR, sections 2510 et seq.	Fluor	< 15d after GW well completion	16-Jun-11		
	x		Soil & Water-4	Submit two copies of any proposed well permit changes.	Fluor	< 10d of submittal or receipt			
	x		Soil & Water-4	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 constuction	30-Jul-11	5-Nov-11	Approved 1/27/2012
x	x		Soil & Water-4	Submit to CPM a copy of the water well construction packet submitted to the County of Riverside.	Fluor	> 60d pt construction of GW well	1-Mar-11		Approved 8/16/2011
	x		Soil & Water-5	Submit a semi-annual report of construction water use.	Fluor	semi-annually			
	x	x	Soil & Water-5	Submit an annual report of water usage (g/month and total).	Fluor / Operations	Annually			
	x		Soil & Water-5	GW use during construction must not exceed an annual average of 1,368 afy.	Fluor	Ongoing			

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
		x	Soil & Water-5	GW use during operations must not exceed 202 afy	Operations	Ongoing			
x			Soil & Water-5	Install and maintain metering devices as part of the water supply and distribution system (gpd and total). Submit compliance documentation.	Fluor	> 30d pt construction	3-Dec-10	9-Feb-11	Approved 2/25/2011
	x	x	Soil & Water-6	Submit compliance documentation for the WDRs in Appendices B, C, and D.	Fluor / Operations	< 60d pt waste discharge	2-Apr-11		
	x	x	Soil & Water-6	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.	Fluor / Operations	pt initiating changes			
	x	x	Soil & Water-6	Submit annual waste discharge permit fee associated with this facility to the Water Boards	NextEra				
	x	x	Soil & Water-6	Submit all monitoring reports required by the WDRs and details of any nonconformance.	Fluor / Operations	Ongoing			
		x	Soil & Water-7	Comply with County and State reqs for sanitary waste disposal facilities.	Operations	Ongoing			
	x		Soil & Water-7	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		
x			Soil & Water-8	Submit a Revised Project Drainage Report with the 30 percent Grading and Drainage Plans.	Fluor	> 60d pt site mobilization (plant)	1-Mar-11		8/22/2011
	x		Soil & Water-9	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)	1-Mar-11		8/22/2011
	x		Soil & Water-10	Submit two copies of the 30 percent channel design drawings.	Fluor	> 60d pt site mobilization (plant)	1-Mar-11		8/22/2011
	x		Soil & Water-11	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)	1-Mar-11		8/22/2011
	x		Soil & Water-12	Obtain a permit to operate a non-transient, non-community water system with the County.	Fluor	> 60d pt operation	1-Mar-13		
		x	Soil & Water-12	Designate a CA Cert'd Water Treatment Plant Operator as well as the technical, managerial and financial requirements as prescribed by State law.	Operations				
		x	Soil & Water-12	Submit updates annually for all monitoring requirements and submittals to County related to the permit, and proof of annual renewal of the operating permit.	Operations	Annually			
	x	x	Soil & Water-13	Supervise the implementation of a Channel Maintenance Program.	Fluor / Operations	Ongoing			
	x		Soil & Water-13	Ensure the Project Construction Manager receive training on the Channel Maintenance Program.	Fluor	Ongoing			
	x		Soil & Water-13	Submit two copies a Channel Maintenance Program.	Fluor	> 60d pt start of project related activity	27-Mar-11		Pending
		x	Soil & Water-13	Submit a Channel Maintenance Program Annual Report, Channel Maintenance Work Plan, and Lessons Learned with the Annual Compliance Report.	Fluor / Operations	Annually			
x			Soil & Water-13	Submit written commitment to adopt and implement the Program.	Fluor				
x			Soil & Water-14	Submit Decommissioning Plans.	Worley Parsons	> 60d pt site mobilization	15-Oct-10	22-Oct-10	Approved 10/29/10
		x	Soil & Water-14	Submit amended Decommissioning Plans should the decommissioning scenario change in the future.	Operations	Ongoing			
	x	x	Soil & Water-15	Implement Water Supply Plan mitigation measures.	Jeff Harvey	Ongoing			

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
x			Soil & Water-15	Submit a Water Supply Plan.	Jeff Harvey	> 30d pt GW extraction for const.	14-Nov-10	3-Dec-10	Approved 5/3/2011
		x	Soil & Water-16	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			
x			Soil & Water-17	Submit the Ground Subsidence Monitoring and Action Plan.	Worley Parsons	> 30d pt GW extraction for const.	14-Nov-10	8-Dec-10	Approved 12/23/2010 (ph. 1)
	x		Soil & Water-17	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	Construct one monument monitoring station per production well or a minimum of three stations.	Worley Parsons				
		x	Soil & Water-17	Submit a 5-yr monitoring report summarizing findings to date.	Operations	5yrs after GW production			
x			Soil & Water-17	Submit a Subsidence Monitoring Plan (SMP), including all calculations and assumptions.	Worley Parsons	> 30d pt construction	3-Dec-10		
x			Soil & Water-19	Submit a report detailing results of the PVMGB underflow depletion modeling effort.	Worley Parsons	< 30d pt site mobilization	14-Nov-10	15-Nov-10	Approved 7/14/2011
x			Soil & Water-20	Submit a Groundwater Quality Monitoring and Reporting Plan > 6 weeks pt start of construction.	Worley Parsons	> 45d pt construction	18-Nov-10	3-Dec-10	Approved 1/13/2011
	x	x	Soil & Water-20	Monitor GW quality and levels semi-annually and submit data semi-annually.	Worley Parsons	semi-annually			
x			Soil & Water-20	Submit a Well Monitoring Installation and Groundwater Quality Network Report.	Worley Parsons	> 30d pt construction	3-Dec-10		
x			Soil & Water-20	Commence groundwater quality monitoring prior to construction.	Worley Parsons	pt construction	5-Nov-10		
x			Soil & Water-20	Submit GW quality and level monitoring data.	Worley Parsons	> 30d pt GW extraction for const.	3-Dec-10		
x			TRANS-1	Submit copies of comment letters received from County and Caltrans and any associated changes to Traffic Plan.	Fluor	> 30d pt construction	3-Dec-10		
x			TRANS-1	Submit a Traffic Control Plan plus a copy of the transmittal letter to Caltran and County.	Fluor	> 60d pt gd	4-Nov-10	23-Nov-10	Approved 8/15/2011
x	x		TRANS-2	Retain copies of transportation permits and supporting documentation on-site for inspection if requested.	Fluor				
x			TRANS-2	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	14-Dec-10		
x	x		TRANS-3	Obtain necessary encroachment permits from Caltrans and all relevant jurisdictions. Report receipt of permits in Monthly Report.	Fluor	pt gd	2-Jan-11		
		x	TRANS-3	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		
		x	TRANS-4	Retain copies of hazardous material transport permits onsite for inspection.	Operations	> 6m after start of operation	1-Jul-13		
x	x		TRANS-4	Obtain necessary hazardous material transport permits from Caltrans and all relevant jurisdictions. Report receipt in Monthly Report.	Fluor	pt gd	2-Jan-11		
x			TRANS-5	Submit photographs or video of all affected public roads, easements and ROWs.	Fluor	> 30d pt site mobilization	14-Nov-10		Approved 1/19/2011
x			TRANS-5	Notify the County and Caltrans of schedule for construction.	Fluor	pt site mobilization	14-Dec-10		
	x	x	TRANS-5	Restore all public roads, easements, and rights-of-way damaged due to project-related construction activities.	Fluor	Ongoing			
		x	TRANS-5	Submit letter of ROW repair completion, including concurrence from Caltrans or the County.	Fluor				

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
		x	TRANS-5	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		
	x		TLSN-1	Construct Tline in accordance with CA PUC's req's, California Code of Regulations, and Southern California Edison's EMF reduction guidelines.	Fluor	Ongoing			
	x		TLSN-1	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		
	x	x	TLSN-2	Measure strengths of EMF before energization according to (ANSI/IEEE) standard procedures. Submit measurement report.	Operations	< 60d of test			
		x	TLSN-2	Measure strengths of EMF after energization according to (ANSI/IEEE) standard procedures < 6months of start of operations.	Operations	< 60d of test			
		x	TLSN-3	Submit summary of inspection results and fire prevention activities in the Annual Compliance Report for the first 5 years of operation.	Operations	5yrs Annually			
		x	TLSN-3	Maintain Tline ROW free of combustible material.	Operations	Ongoing			
	x		TLSN-4	Submit compliance documentation.	Fluor	> 30d pt energization	2-Dec-12		
	x		TLSN-4	Ensure all permanent metallic objects within the Tline ROW are grounded.	Fluor	Ongoing			
x	x		VIS-1	Submit a Surface Treatment Plan.	Fluor	> 30d pt ordering	15-Mar-11		Approved 8/12/2011
	x	x	VIS-1	Notify CPM when surface treatment is complete and ready for inspection. Submit photographs of treated structures upon completion.	Fluor	upon completion of installation			
		x	VIS-1	Include a status report regarding surface maintenance in the Annual Compliance Report.	Operations	Annually			
	x		VIS-2	Submit a Lighting Mitigation Plan.	Fluor	> 60d pt ordering permanent lighting			Approved 7/22/2011
	x	x	VIS-2	Notify CPM of lighting complaint resolution/implementation.	Fluor	< 48hr of resolution			
	x		VIS-2	Notify CPM that permanent lighting is installed and ready for inspection.	Fluor	pt operation	30-Apr-13		
	x		VIS-2	If after inspection lighting modifications are needed, notify CPM that modifications are complete.	Fluor	< 30d after notification			
	x	x	VIS-2	Submit any received lighting complaints. Include proposal to resolve and schedule.	Fluor	< 48hr of complaint receipt			
	x	x	VIS-2	Submit a copy of complaint resolution report.	Fluor	< 30d of resolution			
	x		VIS-2	Consult with CPM regarding documentation required in the Lighting Mitigation Plan.	Fluor	> 90d pt ordering permanent lighting			
	x		VIS-2	Consult with CPM regarding documentation required in the Lighting Mitigation Plan.	Fluor	> 30d pt ordering temp lighting			
			VIS-3	DELETED					
	x		VIS-4	Construct perimeter chain link using dark or earth-toned opaque privacy slats of a minimum 8 feet in height.	Fluor	Ongoing			
	x	x	VIS-4	Submit copy of complaint glare resolution form.	Fluor / Operations	< 30d of receipt			
	x	x	VIS-4	Submit any glare complaints, including resolution and schedule.	Fluor / Operations	< 48hr of complaint receipt			
	x	x	VIS-4	Notify CPM resolution/implementation for glare complaints.	Fluor / Operations	< 48hr of resolution			

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
	x		VIS-4	Submit a fencing plan describing mitigation for off-site glare.	Fluor	> 90d pt fence construction	26-Feb-11	28-Oct-11	Approved 2/9/2012
	x		VIS-5	Submit a revegetation plan for the staging area.	Fluor	> 60d pt operation	2-Mar-13		Approved 1/14/2011
x			VIS-5	Meet with CPM to discuss how staging area site plan will minimize visibility from rest area.	Fluor	> 90d pt construction	4-Oct-10	12-Oct-10	Done 1/17/2011
x			VIS-6	Meet with the CPM to discuss incorporation of visual contrast reduction into the design plans.	Fluor	> 90d pt construction	25-Feb-11	12-Oct-10	Approved 10/25/10
	x		WASTE-1	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			
x			WASTE-2	Submit resume for a PE or PG.	NextEra	> 30d pt site mobilization	14-Nov-10	4-Nov-10	Approved 11/30/2010
	x		WASTE-3	If potential contamination results in stop-work call by PE or PG, notify CPM within 24hrs.	Fluor	< 24hr after stop work			
	x		WASTE-3	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			
x			WASTE-4	Submit a Construction Waste Management Plan. - PHASE I	Fluor	> 30d pt construction	3-Dec-10	2-Dec-10	Approved 12/15/2010
	x		WASTE-4	Submit a Construction Waste Management Plan. PHASE II	Fluor	> 30d pt construction	26-Apr-11		Approved 12/15/2010
x			WASTE-5	Submit a UXO Identification, Training and Reporting Plan.	Tetra Tech	> 30d pt construction	3-Dec-10	2-Dec-10	
	x	x	WASTE-6	Submit documentation of any new or revised hazardous waste generation notifications in the following Monthly Compliance Report.	Fluor	Monthly	Monthly		
x	x	x	WASTE-6	Obtain a hazardous waste generator identification number from USEPA prior to generating any hazardous waste. Retain a copy onsite.	Fluor	pt generating haz waste	3-Jan-11		
	x	x	WASTE-7	Notify CPM of an impending waste-management enforcement action and owners response/resolution.	Fluor	< 10d of notification from authorities			
			WASTE-8	DELETED					
		x	WASTE-9	Submit actual volume of waste generated and management methods used in each Annual Compliance Report.	Fluor / Operations	Annually			
	x		WASTE-9	Submit the Operation Waste Management Plan.	Fluor	> 30d pt operation	31-Mar-13		
	x		WASTE-9	Submit any required revisions of Ops Waste Plan.	Fluor	< 20d of notification from CPM			
		x	WASTE-9	Update Operations Waste Management Plan as necessary.	Operations	Ongoing			
	x	x	WASTE-11	Submit release/spill documentation . If the release was reported, include agency communication.	Fluor / Operations	< 30d of release date			
		x	WASTE-10	Document all HTF releases. If > 42 gallons, notify agencies and provide analysis of results in accordance with WASTE-10.	Operations	< 28d of release date			
	x	x	WASTE-11	Document, clean up, and dispose of hazmat released > EPA's reportable quantities in accordance with federal, state, and local requirements.	Fluor / Operations	Ongoing			
x			Worker Safety-1	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	pt CPM submittal	3-Dec-10		Approved 1/14/2011
x			Worker Safety-1	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	3-Dec-10		Approved 1/14/2011

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
	x		Worker Safety-2	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	> 30d pt first fire or commissioning	31-Mar-13	3-Feb-12	Partial approval (Fire Protect. Plan) on 2/23/2012
	x		Worker Safety-2	Submit The Fire Prevention Plan and the Emergency Action Plan to Riverside County Fire Department for review and comment.	Fluor	pt CPM submittal			
x			Worker Safety-3	Submit name and contact information for the Construction Safety Supervisor (CSS).	Fluor	> 30d pt site mobilization	14-Nov-10	16-Nov-10	Approved 4/15/2011
x	x		Worker Safety-4	CSS to include compliance documentation in Monthly Compliance Report.	Fluor	Monthly			
x			Worker Safety-4	Submit verification of agreement with CBO for a Safety Monitor to CPM.	NextEra	> 60d pt construction	3-Nov-10	3-Nov-10	Approved 1/14/2011
x			Worker Safety-4	Post payment to CBO for a Safety Monitor.	NextEra	TBD w CBO	1-Dec-10		
	x	x	Worker Safety-5	Install a portable automatic external defibrillator (AED) on site during construction and operations.	Fluor / Operations	Ongoing			
x	x	x	Worker Safety-5	Conduct AED training program in accordance with CPM-approved program.	Fluor / Operations				Done 1/14/2011
x			Worker Safety-5	Submit verification that AED exists onsite and the training and maintenance program.	Fluor	> 60d pt site mobilization	15-Oct-10	3-Nov-10	Approved 1/14/2011
	x		Worker Safety-6	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)	1-Mar-11		Approved 7/15/2011
	x		Worker Safety-6	Submit revised and final plans for second access gate. Include letter or statement regarding comments from RCFD.	Fluor	> 30d pt site mobilization (plant)	31-Mar-11		Approved 7/15/2011
	x		Worker Safety-6	Submit verification that all-terrain fire engines have been delivered and acceptable to RCFD. (see text for alternative measures requirements)	Fluor	> 180d pt receipt of HTF			Agreement to satisfy WS-6 reached on 2/28/2012, verification of delivery pending
x			Worker Safety-7	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	14-Nov-10		document on file as of 8/8/2011
		x	Worker Safety-7	(if opted), provide letter of credit to RCFD annually.	NextEra	Annually			
x			Worker Safety-8	Submit Dust Control Plan.	Fluor w/ Tt support	> 60d pt site mobilization	15-Oct-10	1-Nov-10	Approved 1/13/2011
		x	Worker Safety-9	Include joint exercise training documentation with the RCFD and other solar plants in the annual compliance report.	Operations	Annually			
	x		Worker Safety-9	Submit verification that a joint training program with the RCFD is established.	Operations	> 10d pt commissioning	20-Apr-13		
		x	Worker Safety-9	Host the annual training on a rotating yearly basis with the other solar power plants.	Operations	Rotate annually			
	x		GEN-1	Provide the CPM a copy of the certificate of occupancy (CO).	Fluor	< 30d of receipt			
	x		GEN-1	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.	Fluor	> 30d pt activity			
	x		GEN-1	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			

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x	x		GEN-2	Include updated schedule of facility design submittals, and master drawing and master specifications in the Monthly Compliance Report.	Fluor	Monthly	4-Dec-10		
x			GEN-2	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	3-Nov-10	17-Nov-10	Approved 12/18/2010
x	x	x	GEN-3	Submit payments to the CBO in accordance with the agreement between the project owner and the CBO.	NextEra				
x	x	x	GEN-3	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	1-Dec-10		
x			GEN-4	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	3-Dec-10		
x			GEN-4	Notify the CPM of the CBO's approvals of the RE and other delegated engineer(s).	Fluor	< 5d of approval	8-Dec-10	14-Jan-11	Approved 1/14/2011
x			GEN-5	Submit resume of the soils (geotechnical) engineer.	Fluor	> 30d pt grading	3-Dec-10		
x			GEN-5	Notify CPM of CBO approval of soils (geotechnical) engineer.	Fluor	< 5d of approval	8-Dec-10		
x			GEN-5	Submit resume of the civil engineer.	Fluor	> 30d pt grading	3-Dec-10	7-Jan-11	Approved 1/21/2011
x			GEN-5	Submit resume of the mechanical engineer .	Fluor	> 30d pt construction	3-Dec-10		
x			GEN-5	Submit resume of the engineering geologist.	Fluor	> 30d pt grading	3-Dec-10		
x			GEN-5	Notify CPM of CBO approval of civil eng assignment.	Fluor	< 5d of approval	8-Dec-10		
x			GEN-5	Notify CPM of CBO approval of mech eng assignment.	Fluor	< 5d of approval	8-Dec-10		
x			GEN-5	Notify CPM of CBO approval of eng. geologist assignment.	Fluor	< 5d of approval	8-Dec-10		
	x		GEN-6	Include a copy of the CBO's approval of the qualifications of all special inspectors in the next monthly compliance report.	Fluor	Monthly			
	x		GEN-6	Notify the CPM of the CBO's approval of replacement inspector.	Fluor	< 5d of approval			
	x		GEN-6	If the special inspector is reassigned or replaced, submit resume of replacement to CBO.	Fluor	< 5d of replacement			
	x		GEN-6	Special inspectors submit inspection reports to the CBO and RE.	Fluor	Ongoing			
	x		GEN-6	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		
	x		GEN-6	Submit resumes of special inspector(s).	Fluor	> 15d pt activity			
	x		GEN-7	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		
	x		GEN-7	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			
	x		GEN-7	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			
	x		GEN-8	Retain one set of approved engineering plans, at the project site. Submit to the CPM a statement with location of stored documents.	Fluor				

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
	x		GEN-8	Submit to CBO statement of work completed, in conformance with plans and ready for inspection.	Fluor	< 15d after construction completion	15-Jul-14		
	x		GEN-8	Submit a copy of statement of work completed to the CPM in the next monthly compliance report.	Fluor	< 30d after construction completion	30-Jul-14		
		x	GEN-8	Provide CBO with a full set of electronic plans.	Fluor	< 90d after construction completion	28-Sep-14		
	x		GEN-8	Notify the CPM after obtaining the CBO's final approval of work completed.	Fluor	< 15d after construction completion	15-Jul-14		
x	x		CIVIL-1	Submit to the CBO: 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	18-Dec-10		
x			CIVIL-1	Include CBO approval in following monthly compliance report.	Fluor	< 30d after approval			
	x		CIVIL-2	Submit modified plans to the CBO for review and approval based on these new conditions.	Fluor	Ongoing			
	x		CIVIL-2	Submit CBO approval of modified plans to CPM.	Fluor	< 24hr of approval			
	x		CIVIL-2	RE to stop earthwork if he/she identifies unforeseen adverse soil or geologic conditions. Notify CPM within 24 hrs.	Fluor	< 24hr of discovery			
	x		CIVIL-3	Include a list of NCRs in the following Monthly Compliance Report.	Fluor	Monthly	Monthly		
	x		CIVIL-3	Perform inspections in accordance with the 2007 CBC. Report any discrepancies immediately.	Fluor	Ongoing			
	x		CIVIL-3	RE to submit a non conformance report (NCR) < 5d of discovery. Submit details of corrective action < 5d of resolution.	Fluor	< 5d of discovery			
	x		CIVIL-4	Submit a copy of the CBO's approval of grading plans to the CPM in the next monthly compliance report.	Fluor	< 30d after approval			
	x		CIVIL-4	Submit to the CBO the final grading plans and the engineer's statement of compliance.	Fluor	< 30d completion of drainage work			
	x		STRUC-1	Submit CBO statement that proposed structural plans are approved and comply with LORS in the next monthly compliance report.	Fluor	< 30d after approval			
	x		STRUC-1	Submit to CBO final structural design plans. Submit a copy of the transmittal letter to the CPM.	Fluor	> 60d pt start of construction listed GEN-2.	27-Mar-11		
	x		STRUC-2	If a discrepancy is discovered, submit an NCR to the CBO, and a copy of the transmittal letter to the CPM.	Fluor	< 5d of NCR			
	x		STRUC-2	Submit to the CBO: 1. Concrete cylinder strength test reports 2. Concrete pour sign-off sheets; 3. Bolt torque inspection reports; 4. Field weld inspection reports; and 5. Reports of activities requiring special inspections under 2007 CBC.	Fluor				
	x		STRUC-2	Submit a copy of the CBO's approval or disapproval of the corrective action to the CPM. If not approved, advise the CPM on the reason for disapproval, and the revised corrective action.	Fluor	< 15d CBO response			
	x		STRUC-2	Submit a copy of the NCR corrective action to the CBO and the CPM.	Fluor	< 5d of resolution			
	x		STRUC-3	Notify the CBO of any intended filing of design changes, and submit revisions on a schedule suitable to the CBO.	Fluor	on a sched suitable to CBO			

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
x	x		STRUC-3	Notify the CPM, via the monthly compliance report, when the CBO has approved the revised plans.	Fluor	< 30d of approval			
	x		STRUC-4	Submit to the CBO final design plans for tanks or vessels.	Fluor	> 30d pt installation			
x	x		STRUC-4	Include copies of the CBO approvals of plan checks to the CPM in the following monthly compliance report.	Fluor	Monthly			
	x		STRUC-4	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			
x			STRUC-4	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				
	x		MECH-1	Request CBO inspection of any such major piping or plumbing system.	Fluor				
	x		MECH-1	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		
	x		MECH-1	Include a copy of transmittal letter to CBO in following monthly compliance report.	Fluor	< 30d of submittal			
	x		MECH-1	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			
	x		MECH-2	Submit code certification papers and other documents for all pressure vessels installed in the plant required by applicable LORS.	Fluor	pt operation	30-Apr-13		
	x		MECH-2	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			
	x		MECH-2	Include CBOs inspection approval in the monthly compliance report following any inspection.	Fluor				
	x		MECH-2	Request CBO and/or Cal-OSHA inspection of pressure vessel upon completion of installation.	Fluor	upon installation			
	x		MECH-2	Ensure that all boilers and pressure vessels are designed, fabricated, and installed in accordance with ASME Code.	Fluor	Ongoing			
	x		MECH-3	Upon completion of any increment of construction, request CBO's inspection and approval of that construction.	Fluor	Upon completion of increment of construction			
	x		MECH-3	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			
	x		ELEC-1	Submit to the CBO the final plant design plans and a signed/stamped statement from the responsible electrical engineer attesting compliance with the applicable LORS.	Fluor	> 30d pt start of each increment of construction			
	x		ELEC-1	Request that the CBO inspect the installation to ensure compliance with the requirements of applicable LORS.	Fluor				

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
	x		ELEC-1	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		
	x		ELEC-1	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			
	x	x	ELEC-1	Retain approved final plant design plans and calculations onsite for the life of the project.	Fluor / Operations				
x			PAL-1	Submit resume of Paleo Resource Monitors.	Tetra Tech	> 20d pt gd	13-Dec-10		Approved 10/25/10
x			PAL-1	Submit resume of the Paleo Resource Specialist (PRS).	Tetra Tech	> 60d pt gd	3-Nov-10	2-Sep-10	Approved 10/25/10
x			PAL-2	Submit maps and drawings showing the footprint of the power plants, construction lay down areas, and all related facilities.	Fluor	> 30d pt gd	3-Dec-10		
x	x		PAL-2	Submit letter of any construction phase schedule changes.	Fluor	< 5d of identification			
x	x		PAL-2	If construction of the Genesis project proceeds in phases, submit maps and drawings.	Tetra Tech	pt start of each increment of construction			Not phased, done 3/16/2011
	x		PAL-2	PRS or PRM consult weekly with the superintendent or construction field manager to confirm upcoming activity locations.	Tetra Tech	until gd is completed	3-Jan-11		
x	x		PAL-2	Submit schedule of construction phases before work commences on affected power plants.	Fluor	pt start of const on affected power plants	26-May-11		
x	x		PAL-2	If the footprint of the project or its linear facilities change, provide maps and drawings reflecting those changes.	Fluor	> 15d pt gd	18-Dec-10		
	x		PAL-3	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			
x			PAL-3	If PRS determines that paleontological materials could be impacted, PRS to submit a paleontological resources monitoring and mitigation plan (PRMMP).	Tetra Tech	> 30d pt gd	3-Dec-10	3-Dec-10	Approved 12/21/2010
	x		PAL-4	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	3-Jan-11		
	x		PAL-4	Submit Paleo training documentation in Monthly Compliance Report.	Tetra Tech	Monthly	Monthly		
	x		PAL-4	Submit resume of any alternative paleo trainer (if applicable).	Tetra Tech	Ongoing			
x			PAL-4	Include paleo resources in the WEAP.	Tetra Tech	> 30d pt gd	3-Dec-10		Approved 1/14/2011
x			PAL-4	Submit script and final video of paleo training.	Tetra Tech	> 30d pt gd	3-Dec-10		Approved 1/14/2011
	x		PAL-5	Include summary of paleo monitoring activities and finds in the Monthly Compliance Report.	Tetra Tech	Monthly	Monthly		
	x		PAL-5	Notify CPM of any significant paleo resource encountered.	Tetra Tech	< 24hrs upon discovery			
	x		PAL-5	Notify CPM of any noncompliance related to paleo resources.	Tetra Tech	< 24hrs upon discovery			
	x		PAL-5	Implement PRMMP, maintain daily logs. Submit for approval any change in paleo monitoring plan.	Tetra Tech	Ongoing			
		x	PAL-6	Retain copies of signed contracts with the designated PRS and other specialists; also the Paleontological Resource Report.	Tetra Tech	3yr after construction completion	1-Jul-14		

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
	x		PAL-6	Submit copy of letter to curating institution - if fossils found.	Tetra Tech	Ongoing			
	x		PAL-6	Ensure proper implementation of curation procedures according to the PRMMP Pay fees for curation of paleo materials. Submit letter of materials transmittal to the curation facility to CPM.	Tetra Tech	Ongoing			
	x		PAL-7	Submit a Paleontological Resources Report (PRR).	Tetra Tech	< 90d after gd	28-Sep-14		
x			TSE-1	Submit the schedule, a Master Drawing List, and a Master Specifications List.	Fluor	pt construction	26-May-11		
x			TSE-1	Include TSE schedule updates in the Monthly Compliance Report.	Fluor	Monthly			
	x		TSE-2	Notify the CPM of the CBO's approval of the new engineer within five days of the approval.	Fluor	< 5d of approval			
	x		TSE-2	If an engineer is reassigned or replaced, submit resume of replacement.	Fluor	< 5d of replacement			
	x		TSE-3	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			
	x		TSE-3	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			
	x		TSE-4	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			
	x		TSE-4	Submit a copy of the transmittal letter of final design plans to CBO in the next monthly compliance report.	Fluor	after sumittal			
	x		TSE-4	Request that the CBO inspect the installation to ensure compliance with the requirements of applicable LORS.	Fluor				
		x	TSE-4	Retain all plans, including changes, on site for one year after completion of construction.	Fluor	1yr after construction completion	26-Jun-15		
	x		TSE-4	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		

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
	x		TSE-5	Submit to the CBO : a) Design drawings for the poles/towers, foundations, anchor bolts, conductors, grounding systems, and major switchyard equipment; b) design criteria, a discussion of the calculation method(s), a sample calculation based on "worst case conditions" and a statement by the engineer that the Tline element(s) will conform with specified codes and standards. c) Electrical one-line diagrams signed and sealed by the electrical engineer, a route map, and an engineering description of the equipment and configurations covered by requirements TSE-5 d) The Special Protection System (SPS) sequencing and timing if applicable shall be provided concurrently to the CPM. e) A letter stating that the mitigation measures or projects selected by the transmission owners for each reliability criteria violation, for which the project is responsible, are acceptable, f) The final Phase II Interconnection Study, g) A copy of the executed LGIA signed by the California ISO and the project owner.	Fluor	pt const of Tline	24-Jul-12		
	x		TSE-6	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		
		x	TSE-7	Submit telephone notification to the California ISO Outage Coordination Department	Operations	> 1d pt synchronizaiton	31-Dec-12		
		x	TSE-7	Submit to the California ISO a letter stating the proposed date of synchronization.	Operations	> 7d pt synchronizaiton	25-Dec-12		
		x	TSE-7	Submit a report of conversation with the California ISO.	Operations	> 1d pt synchronizaiton	31-Dec-12		
		x	TSE-8	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		
	x	x	TSE-8	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			
	x	x	TSE-8	Inspect transmission line to ensure conformance with applicable codes and standards.	Fluor / Operations	Ongoing			
	x	x	COMPLIANCE-1	Provide CEC staff and delegate agencies or consultants unrestricted access to the power plant site.	NextEra				

Pre-con	GD / Const	Oper.	COC	Description	Responsibility	COC Verification	Date Final Due	Date Submitted to Agency	Agency Status
	x	x	COMPLIANCE-2	The project owner shall maintain project files on-site.	Operations				
	x	x	COMPLIANCE-2	Energy Commission staff and delegate agencies shall be given unrestricted access to the files.	Operations				
x	x	x	COMPLIANCE-3	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				
x			COMPLIANCE-4	Submit a pre-construction matrix identifying only those conditions that must be fulfilled before the start of construction,	Tetra Tech / Fluor	pt construction	14-Dec-10	5-Nov-10	12/29/2010
x			COMPLIANCE-5	Submit a compliance matrix with each monthly and annual compliance report	Tetra Tech	Monthly		4-Nov-10	
x	x		COMPLIANCE-6	Submit Monthly Compliance Reports. Include an initial list of dates for each of the events identified on the Key Events List.	Tetra Tech	Monthly	Monthly	1-Nov-10	
		x	COMPLIANCE-7	Submit Annual Compliance Reports instead of Monthly Compliance Reports.	Operations	Annually			
x	x	x	COMPLIANCE-8	Submit confidential information to CEC Executive Director with a request for confidentiality.	Fluor / NextEra	Ongoing			
x			COMPLIANCE-9	Send a letter to property owners living < 1mile of the project notifying them of a telephone number to contact project representatives with questions, complaints, or concerns.	NextEra	pt construction	2-Jan-11		Approved 1/14/2011
		x	COMPLIANCE-10	Submit a closure plan to the CPM.	Operations	> 12m pt closure			
	x		COMPLIANCE-11	Submit an on-site contingency plan.	Fluor	> 90d of CPM determination			
	x		COMPLIANCE-12	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			
x	x	x	COMPLIANCE-13	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  
Largo Concrete Inc. Over 50hp Diesel Equipment List

7/13/2012

Equipment Type	Brand/Model	CA ARB Registration Number	Expiration Date	Vehicle Serial Number	Engine Year	Horsepower	Tier Rating	Contractor	Rental Company	Mobilization Date	Demob. Date	Notes
10K Reach Forklift	Skytrak 10054	MK3P69	n/a	160032431 LG011705583 / 720948	2007	75-130kw	3	Largo Concrete	RSC	11/21/11		
8K Reach Forklift	Gehl RS8	YE5K34	n/a	RS842JZ0616921 757179	2007	115-86	3	Largo Concrete	RSC	12/5/11		
8K Reach Forklift	Skytrak 8042	TK5B38	n/a	160029782 LGE15003852 / 686535	2007	110-82	3	Largo Concrete	RSC	12/15/11		
8K Reach Forklift	Skytrak 8042	SG3T73	n/a	160042269 LGE15003364 / 886599	2011	110-82	3	Largo Concrete	RSC	12/15/11		
Forklift	Gehl 534D	EA4C39	n/a	T8807L475 697489	1998	110	3	PCS	OWNED	3/12/12		
Forklift	Skytrak 8042	MR4F99	n/a	LG021010016 866000	2010	130	3	Largo Concrete	RSC	1/9/12		
Skiploader	JD 210LE	FX8P94	n/a	0210LE884721 763095	2003	77.8	3	Largo Concrete	RSC	3/10/12		
Skiploader	JD 210L J	RR4Y66	n/a	1T0210LJEA0890262 813309	2010	84.49	3	Largo Concrete	RSC	12/5/11		
Skiploader	JD 210LJ	FH4J85	n/a	1T0210LJPB0890381 862352	2010	84.49	3	Largo Concrete	RSC	2/16/12		
Skiploader	JD210 LJ	UA7J75	n/a	1T0210LJKB0890382 862679	2010	74KW	3	Largo Concrete	RSC	3/26/12		
3 Yard Loader	Deer 544-K	VL6L84	n/a	1DW544KZTA0628594 804736	2010	153	3	Largo Concrete	RSC	1/10/12		
Art Wheel Loader 3- Yard	JD 544J	DM8T54	n/a	JJGN58NVBC540580	2007	153	3	Largo Concrete	RSC	3/5/12		
Skiploader	JD 210LE	KF5H65	n/a	T0210LE884232 718929	2005	75	3	Largo Concrete	RSC	5/17/12		
Roller-Ingersol	Ingersol 116DX	EL3B97	n/a	186167 709073	2005	155	3	Largo Concrete	RSC	2/16/12		
Drill Rig - DR16	Soil Mec R311D	BB9D65	n/a	1454	1998	174	3	Anderson	n/a	12/5/11		
Drill Rig - DR32	Soil Mec R312	NL6S47	n/a	2624 NL6S47	2006	200	3	Anderson	n/a	12/21/11		
Drill Rig - DR8	Watson 2000	HU3M54	n/a	200077	2001	152	3	Anderson	n/a	1/23/12		
Drill Rig SR30	Soil Mec SR30	JH7G66		4066 4046	2011	200	3	Anderson	n/a	3/26/12		
Backhoe/Loader	JD410J	NX9A65	n/a	T0410JX178935	2009	95	3	Zarp	OWNED	2/19/12		
Backhoe/Loader	JD 250 G	TA8X68	n/a	1FF250GXJBE608019	2011	560	3	Zarp	RDO	5/1/12		

Backhoe/Loader	JD 310 SJ	WX9R94	n/a	1TO310S1ABD207956 X310401	2011	75	3	Zarp	RDO	3/1/12		
Backhoe/Loader	JD 410G	AK7D63	n/a	T0410GX957845	2006	99	3	Zarp	RDO	4/25/12		
Backhoe/Loader	CAT 430E	FE4P69	n/a	0430WPWAT01101	2008	95	3	Zarp	RDO	4/18/12		
<b>ON ROAD VEHICLES - DO NOT REQUIRE OFF ROAD REGISTRATIONS</b>												
5 Yd Dump Truck	Ford F750	n/a		518250	2006	215		Largo Concrete	RSC	12/5/11		
5 Yd Dump Truck	Ford F750	n/a		3FRXF75EX7V509379 683111		215		Largo Concrete	RSC	2/16/12		
5 Yd Dump Truck	Ford F650	n/a		3FRNF65E36V387951	2006	215	3	Largo Concrete	RSC	12/27/11		
5 Yd Dump Truck	Ford 750	n/a		3FRPF7FA7BV563226 871395	2011	215		Largo Concrete	RSC			
5 Yd Dump Truck	-	n/a		3FRP7FA8DV587129 875512	-	-	-	Largo Concrete	RSC	-		
2000 gal water truck	Ford 750	n/a		FRXF75E66V384394 629314	2006	215		Largo Concrete	RSC	12/5/11		
2000 gal water truck	Ford 750	629314		FRXF7FAA1BV587134	2011	215		Largo Concrete	RSC	12/5/11		
2000 gal water truck	Ford 750			3FRXF75E97V509390 704514	2011	215		Largo Concrete	RSC	3/12/12		
2000 gal water truck	Ford 750	n/a		3FRXF7FA2BV557236 880540				Largo Concrete	RSC	5/17/12		
2000 gal water truck	Ford 750	n/a		3FRXF75E07V440783 649628				Largo Concrete	RSC	5/17/12		
2000 gal water truck	Ford 750	n/a		53FRNF7AXCV184407 10054929	2012	215		Largo Concrete	UR	6/20/12		
Service Truck-SV127	Ford F550	n/a		1FDAF56P27EA37256	2000	3235		Anderson	n/a	12/5/11		
Service Truck - SV 081	Ford F550	n/a		1FDAF56F2YEA36939	2004	215		Anderson	n/a	12/21/11		
Service Truck - SV 73	Ford F550	n/a		1FDAF56P34EH22051	2004	235		Anderson	n/a	12/5/11		
Service Truck - SV 111	Ford F550	n/a		1FDAF56F2XE3D88529	1999	215		Anderson	n/a	2/13/12		
Service Truck - SV 62	Ford F550	n/a		1FDWF80C8VVA43928	1999	215						
Service Truck - SV 68	Ford F550	n/a		1FDXF46F7XE427286	1998	215						
<b>PORTABLE LIGHTS</b>												
Portable Light	-	-	n/a	54950-10MX	-	-	-	Largo Concrete	VOLVO			
Portable Light	-	-	n/a	10008750	-	-	-	Largo Concrete	VOLVO			

Portable Light	-	-	n/a	54950-61	-	-	-	Largo Concrete	VOLVO			
Portable Light	-	-	n/a	54950-50	-	-	-	Largo Concrete	VOLVO			
Portable Light	-	-	n/a	10008753	-	-	-	Largo Concrete	VOLVO			
Portable Light	-	-	n/a	1186758	-	-	-	Largo Concrete	VOLVO			
Portable Light	-	-	n/a	54950-68	-	-	-	Largo Concrete	VOLVO			
Portable Light	-	-	n/a	54950-60	-	-	-	Largo Concrete	VOLVO			
Portable Light	-	-	n/a	54450-77	-	-	-	Largo Concrete	VOLVO			
Portable Light	-	-	n/a	54950-126	-	-	-	Largo Concrete	VOLVO			
Portable Light	-	-	n/a	54950-04T 085PR007	-	-	-	Largo Concrete	VOLVO	6/18/12	06/19/12	
Portable Light	-	-	n/a	54950-21T	-	-	-	Largo Concrete	VOLVO			
Portable Light	-	-	n/a	53950-52	-	-	-	Largo Concrete	VOLVO			
Portable Light	-	-	n/a	54950-77	-	-	-	Largo Concrete	VOLVO			
Portable Light	-	-	n/a	54950-63	-	-	-	Largo Concrete	VOLVO			
Portable Light	-	-	n/a	54950-06G	-	-	-	Largo Concrete	VOLVO			
Portable Light	-	-	n/a	54950-26T	-	-	-	Largo Concrete	VOLVO			
Portable Light	-	-	n/a	54950-06MX	-	-	-	Largo Concrete	VOLVO			
Portable Light	-	-	n/a	54950-41	-	-	-	Largo Concrete	VOLVO			
Portable Light	-	-	n/a	54950-20T 2560PR007	-	-	-	Largo Concrete	VOLVO	6/18/12	6/19/12	
Portable Light	-	-	n/a	16010002021	-	-	-	Largo Concrete	VOLVO			





**Appendix B**  
**Biological Reports**  
**BIO-8: Impact Avoidance and Minimization Measures**

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



***Prepared for:***

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June 2012



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## INTRODUCTION

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

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

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

- Kit Fox and nesting bird surveys for Unit 1 in areas that had been dormant for more than 3 weeks;

- Weekly reconnaissance for ravens, focusing on potential subsidies; and, daily recording of raven sightings.
- Biological monitoring of the Plant Site, Access Road and Gas Line disturbance areas.
- Preconstruction surveys along gas line linear outside of the tortoise exclusion fencing.

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

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## SUMMARY OF ACTIVITIES

Weekly activities for the month consisted of:

- General Construction Monitoring
  - Monitored Plant Site – Channel work including soil cement activities and laying of rip rap occurred around the perimeter of the site within the tortoise exclusion fencing. No desert tortoise, American badger, desert kit fox, western burrowing owls, Couch’s spadefoot toad, or nesting birds were found during preconstruction surveys or monitoring. One desert kit fox burrow that had been identified and reported in May 2012, following surveys in the cultural exclusion zone was hand excavated. No kit foxes were found in the den. The den was determined to be inactive by using remote cameras and the tracking medium diatomaceous earth. The intent of excavating the vacant onsite den was to deter habitation within the construction area, to prevent direct harm to a desert kit fox, and to eliminate the need for hazing an animal in a habituated den. Construction work within the cultural exclusion area was not reinitiated until the end of June 2012. 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). No special status species road kill was recorded or found during the month of June. The majority of vehicles observed appeared to obey speed limits. Drivers reported to be speeding were held accountable by contractors. A second roadside radar device was employed during the month to reinforce vehicle speeds and encourage responsible driving. Vehicle speed and speed limits were discussed with contract personnel to reinforce compliance. Night time and day time hours were adjusted; 5:15 a.m. to 7:30 p.m. was the time period for the daytime speed limit. Civil twilight (dawn and dusk) were used as guidelines.
  - Monitored Gas Line installation - Preconstruction surveys, including nesting bird surveys, were performed within 7 days of the onset of construction in accordance with the methodology agreed to and documented with the agencies in May 2012. Three potential kit fox complexes, one potential burrowing owl burrow and one potential bird nest were found during the surveys. One of the kit fox burrow complexes was determined to be active. The potential burrowing owl burrow and the potential bird nest have been determined to be inactive. Prior to construction the boundaries of disturbance were delineated

with stakes and flagging to limit disturbance. Biological monitors were present during construction activities. At the beginning of each work day all ground beneath equipment was inspected for wildlife and the areas of construction were surveyed for sensitive species. No sensitive species were found. At the end of each work day all pipe sections were capped and the trench was either backfilled or ramped. The trench was inspected throughout the day.

- Dust suppression activities and water activities that had potential to result in ponding water were monitored. The DB and Biological Monitor patrolled areas daily to verify that ponding water was minimized and that water was spread and mixed with soil to prevent raven and other predator attraction. Reports of standing water were followed up on by investigating and notification to contractor personnel.
- In accordance with Conditions, 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.
- Exclusion Fence Monitoring
  - The temporary tortoise exclusionary fence was inspected on a weekly basis. The fence is intact and no breaches were found. Repairs were made to insulators on the top portion of the temporary electric fencing. No other repairs or maintenance was necessary.
  - The tortoise grate at the Plant Site entry from the access road was also inspected on a daily basis and maintenance (e.g., removal of soil build-up) was performed if necessary.
- Raven Monitoring
  - Monitors performed daily recording during general construction monitoring for incidental raven observations and associated activity. Ravens were typically observed flying over the common area and seeking food in recently scraped areas.
  - Biweekly point count surveys were performed in accordance with the conditions. One total raven was observed during the bi-weekly raven point count surveys in June (June 4 and June 20). Biweekly raven counts will continue to be performed. No raven nesting sites have been observed.

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Potential subsidies (i.e., possible nesting, ponded water, roadkill) were monitored per the Raven Plan.

- Monitoring of ESAs
  - All construction activities occurred within the Plant Site. All biological ESAs are outside of the tortoise exclusionary fencing. ESAs along access road were noted to be marked and avoided.
  
- Special Status Species Surveys and Monitoring
  - Kit fox monitoring with cameras and telemetry was conducted on behalf of agencies. This monitoring effort is in support of a CDFG and BLM study and is not part of the Project monitoring requirements; therefore, data and information from these monitoring efforts are not reported further in the MCR.
  - Preconstruction nesting bird surveys were performed within the cultural exclusion area in locations where grading was to be performed. No nests or evidence of nesting activities were observed (see Nesting Bird Survey summary below). .

## **SURVEY METHODS AND RESULTS**

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

### Nesting Bird Surveys

Surveys were conducted within isolated locations associated with areas to be graded for cultural testing sites within the cultural exclusion area in Unit 1, Blocks 2, and 3. Nesting bird surveys were conducted in the areas within 7 days prior to reinitiating construction activities. Surveys consisted of walking within the flagged areas to be graded and associated buffers. Due to the small disturbance areas associated with the testing sites, limited bird activity observed in the area, and multiple previous nesting bird surveys of the area, transect surveys were not conducted.

The survey area consisted of generally poor quality nesting habitat comprised of previously mowed vegetation and previously graded areas.

**Table 1**  
**Genesis Solar Energy Project Nesting Bird Survey Summary**

<b>Date</b>	<b>Area</b>		<b>Findings</b>	
	<b>Unit</b>	<b>Block<sup>1</sup></b>	<b>Nesting Activity</b>	<b>Species Observed</b>
1-June	N/A	N/A; Access Road – Pipeline Route	None <sup>2</sup>	No nesting birds observed
28-June	Unit 1	2, 3	None <sup>2</sup>	No nesting birds, one kangaroo rat observed

1 Surveys did not cover the entire block identified unless otherwise noted.

2 No nests found or nesting behavior observed.

### 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 174 incidental raven sightings during 21 monitoring days. The average number of incidental sightings is approximately 8 and does not take into account double counting by observers.

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). Raven recorded are within an 800m radius. One raven was observed on during the June 4 survey and no ravens were observed during the June 20 survey. Eleven ravens total were observed during the previous monthly raven count surveys.

### **WEED AND ESA MONITORING**

Scattered individual Saharan mustard (*Brassica tournefortii*) plants were documented within the Plant Site and access road. Weed densities are well below ambient levels on surrounding lands. Spot treatment within permanent and temporary disturbance areas was recommended in accordance with the Weed Management Plan. A Pesticide Use Proposal (PUP) was prepared for submittal to the BLM for authorization to apply herbicide to these areas. However, additional NEPA analysis was determined by the BLM to be necessary for application of herbicides at the project site. The NEPA analysis (Environmental Assessment) for the BLM PUP was submitted to BLM on May 14, 2012. A treatment plan prepared in accordance with the Weed Management

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Plan will be ready for implementation in fall 2012 if weeds are present in disturbance areas at that time.

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

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

As required by COC BIO-6, all new employees/field staff reporting to the site must receive the Worker Environmental Awareness Program (WEAP) training prior to start of work. The GSEP-specific WEAP training includes a brochure, training video, species cards, and hard hat stickers. The DB has coordinated with the BLM and CEC to provide *One-Time Delivery Access Road Protocol* training for one-time delivery drivers to provide necessary information for site access and avoidance/minimization of impacts.

All personnel reporting to the field in June 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 4 and 5).

### **REFERENCES**

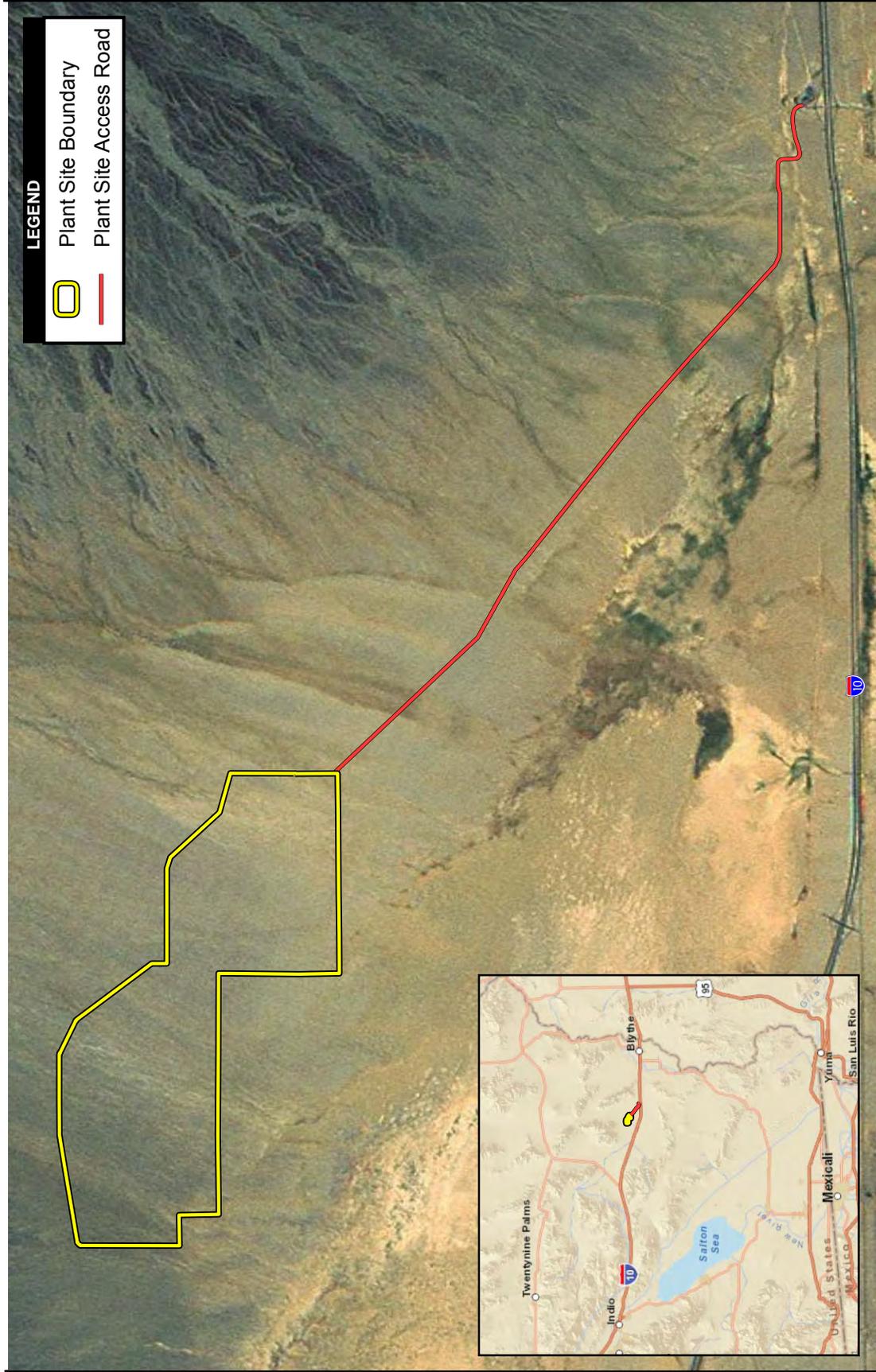
Martin and Guepel. 1993. Nest Monitoring Plots: Methods for Locating Nests and Monitoring Success. *Journal of Field Ornithology*.



**ATTACHMENT 1**

**FIGURES**





**LEGEND**

-  Plant Site Boundary
-  Plant Site Access Road

**Genesis Solar Energy Project  
Vicinity Map**

Source: GSEEP 2012; AECOM 2012; I-cubed 2010; ESRI 2012

2,000 0 2,000 Feet

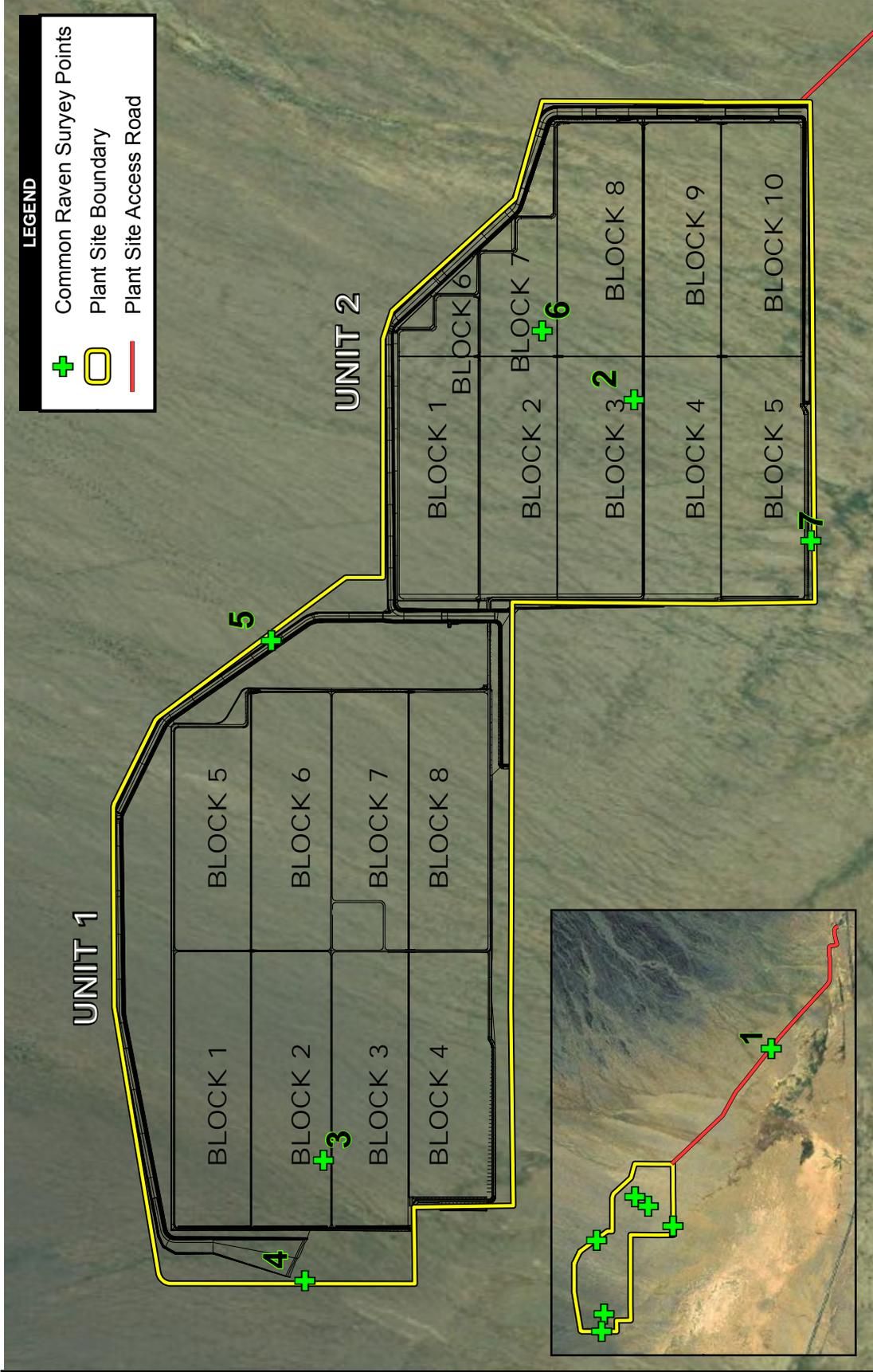


Scale: 1:24,000; 1 inch = 2,000 feet



Genesis Solar Energy Project

Path: P:\2011\60220713\06GIS6.3\_Layout\Bio\MCR 2012\3 - March\Project Site 20120412.mxd, 4/12/2012, irelandm



**LEGEND**

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

**Common Raven  
Survey Points**

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



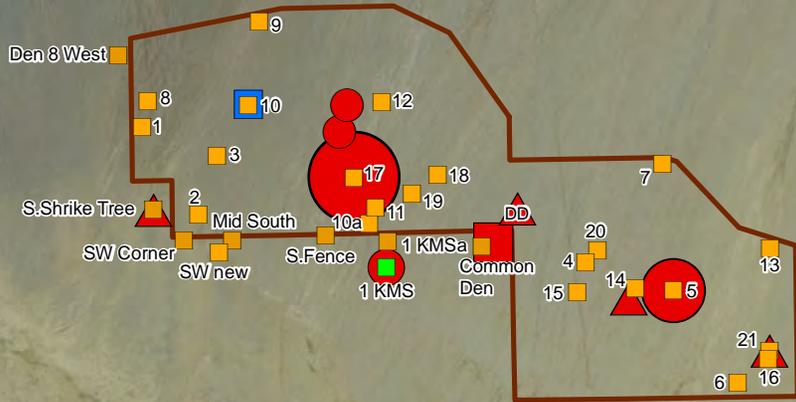
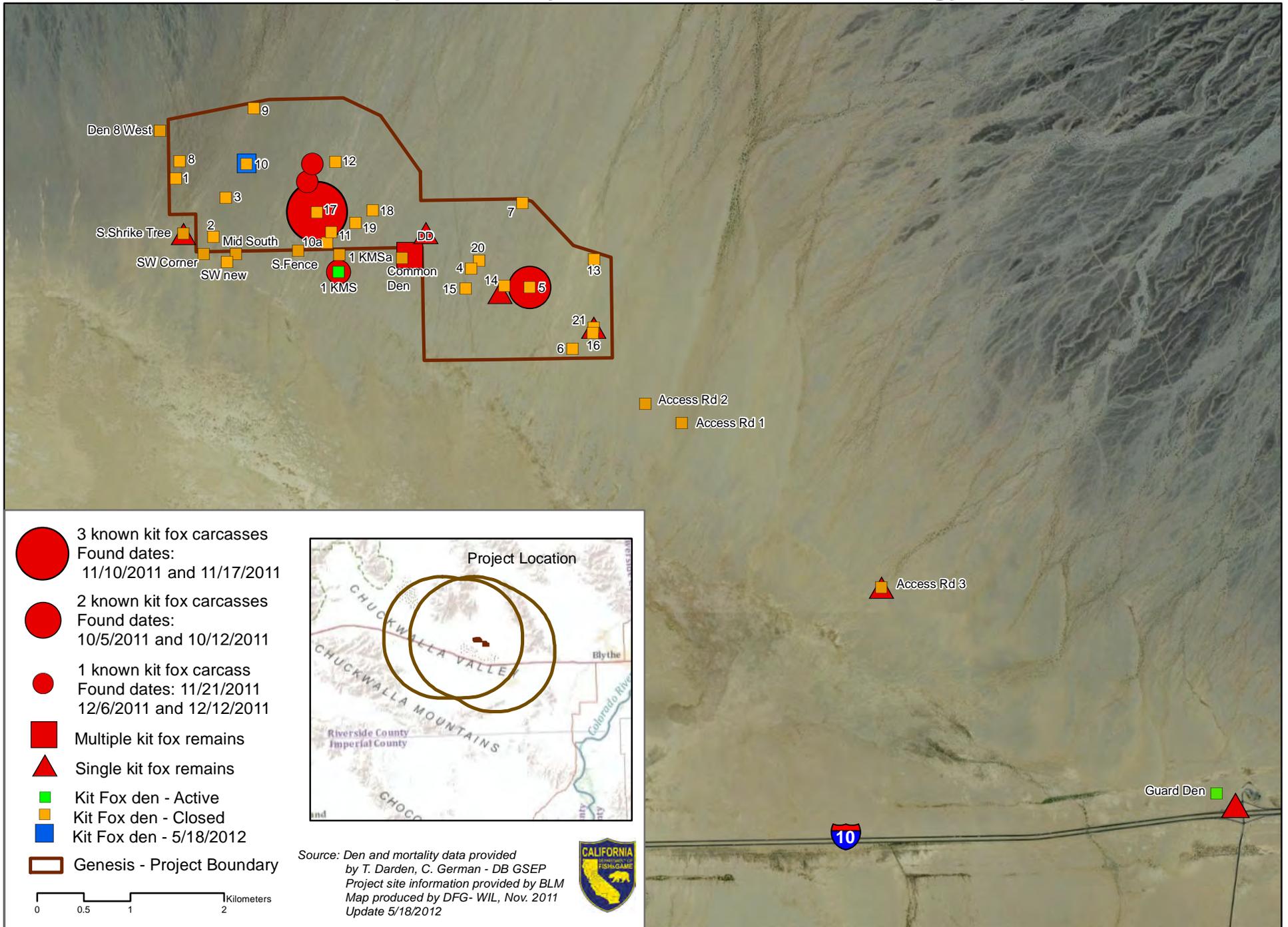
Scale: 1:24,000; 1 inch = 2,000 feet



Genesis Solar Energy Project

Path: P:\2011\60220713\66GIS6.3\_Layout\Bio\MCR\2012\3 - March\CORA Survey Points 20120412.mxd, 4/12/2012, irelandm

# Kit Fox Distemper Mortality Event - Genesis Solar Energy Project



Access Rd 2  
Access Rd 1

Access Rd 3

Guard Den



**ATTACHMENT 2**

**SPECIES OBSERVED DURING MAY  
SURVEYS AND MONITORING**



**Animals:**

Jack Rabbit  
Kit Fox  
Kangaroo Rat  
Round-tailed Ground Squirrel

**Birds:**

Ash-Throated Flycatcher  
Cattle Egret  
Cliff Swallow  
Lesser Nighthawk  
Loggerhead Shrike  
Mourning Dove  
Prairie Falcon  
Raven  
Red-tailed Hawk  
Say's Phoebe  
Turkey Vulture  
Unknown Sparrow  
White-Throated Swift

**Reptiles:**

Desert Horned Lizard  
Desert Iguana  
Mojave Fringe-Toed Lizard  
Mojave Green Rattlesnake  
Side-blotched Lizard  
Sidewinder Rattlesnake  
Whip Tail Lizard  
Zebra-tailed Lizard



**ATTACHMENT 3**

**PHOTOS**





Date & Time: Fri Jun 1 18:56:14 PDT 2012  
Position: 11 N 688369 3725143  
Altitude: 367ft  
Azimuth/Bearing: 297 N63W 5289mils (True)  
Elevation Angle: -36.0  
Horizon Angle: +01.7  
Zoom: 1X  
Kipatch with fur and skin



Date & Time: Sat Jun 2 06:58:40 PDT 2012  
Position: 11 N 692274 3722086  
Altitude: 364ft  
Azimuth/Bearing: 111 S69E 1973mils (True)  
Elevation Angle: +56.1  
Horizon Angle: -13.9  
Zoom: 1X  
gnecg001



Date & Time: Sat Jun 2 05:48:20 PDT 2012  
Position: 11 N 694161 3721183  
Altitude: 354ft  
Azimuth/Bearing: 250° S70W 4444mils (True)  
Elevation Angle: -63.7°  
Horizon Angle: -03.2°  
Zoom: 1X  
gdctm002



Date & Time: Sun Jun 3 08:36:30 PDT 2012  
Position: 11 N 689473 3724019  
Altitude: 318ft  
Azimuth/Bearing: 308° N52W 5476mils (True)  
Elevation Angle: -22.6°  
Horizon Angle: -09.6°  
Zoom: 1X  
desert horned lizard.

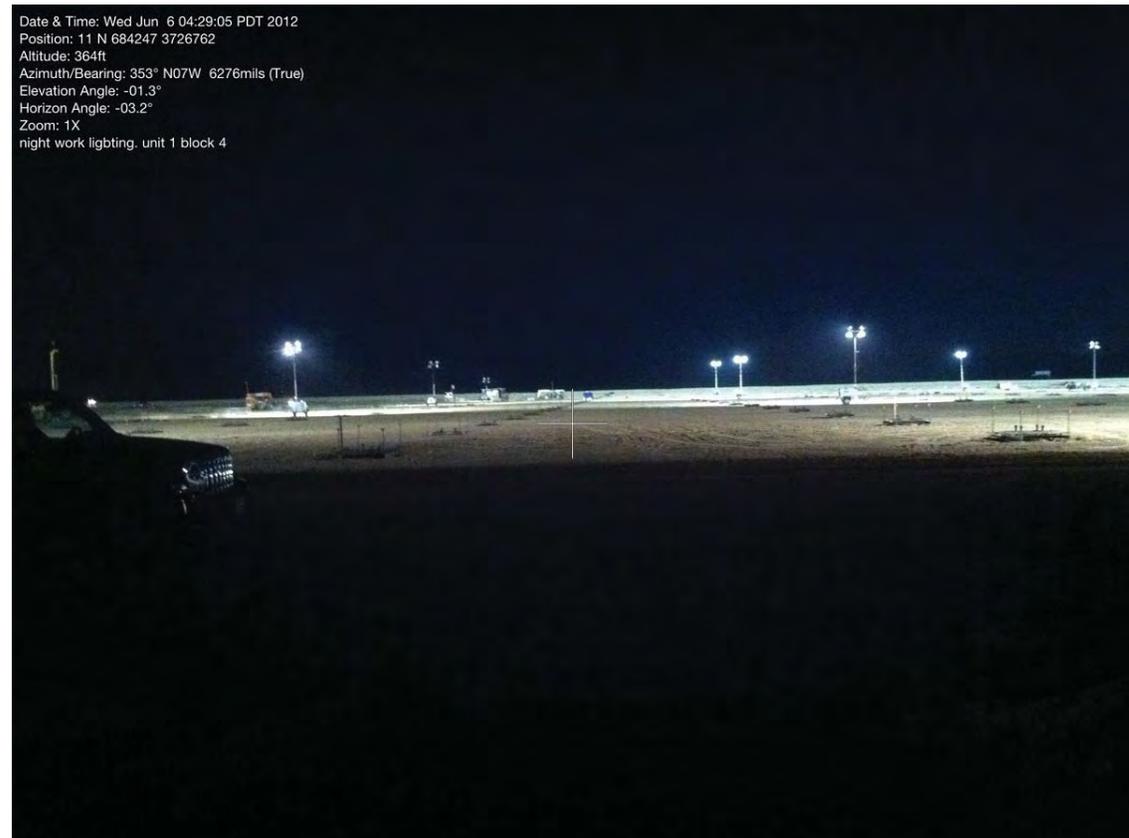


Date & Time: Sun Jun 3 09:15:20 PDT 2012  
Position: 11 N 684025 3727598  
Altitude: 348ft  
Azimuth/Bearing: 236° S56W 4196mils (True)  
Elevation Angle: -32.6°  
Horizon Angle: -02.2°  
Zoom: 1X  
mat18 den, no prints



Date & Time: Mon Jun 4 14:58:13 PDT 2012  
Position: 11 N 689363 3724095  
Altitude: 351ft  
Azimuth/Bearing: 339° N21W 6027mils (True)  
Elevation Angle: -11.2°  
Horizon Angle: -06.1°  
Zoom: 1X  
topsoil wind row









Date & Time: Thu Jun 21 10:37:24 MST 2012  
Position: -033.6523° / -114.9725°  
Altitude: 3667ft  
Azimuth Bearing: 174° S06E 3093mils (True)  
Elevation Angle: -14.3°  
Horizon Angle: +02.3°  
Zoom: 4x  
hjakkrabbit sheltered under pickup



Date & Time: Thu Jun 21 10:39:52 MST 2012  
Position: -033.6522° / -114.9725°  
Altitude: 3870ft  
Azimuth Bearing: 285° N75W 5067mils (True)  
Elevation Angle: -34.1°  
Horizon Angle: +00.0°  
Zoom: 1X  
hjakkrabbit sheltered under pickup



Date & Time: Fri Jun 29 13:47:51 PDT 2012

Position: 11 N 685787 3726927

Altitude: 366ft

Azimuth/Bearing: Not Available

Elevation Angle: -59.7°

Horizon Angle: -04.8°

Zoom: 1X

horned lizard unearthed during ripping. 33 37 50N 115 2 43W



Date & Time: Tue Jul 3 06:04:25 MST 2012

Position: 11 N 685787 3726927

Altitude: 366ft

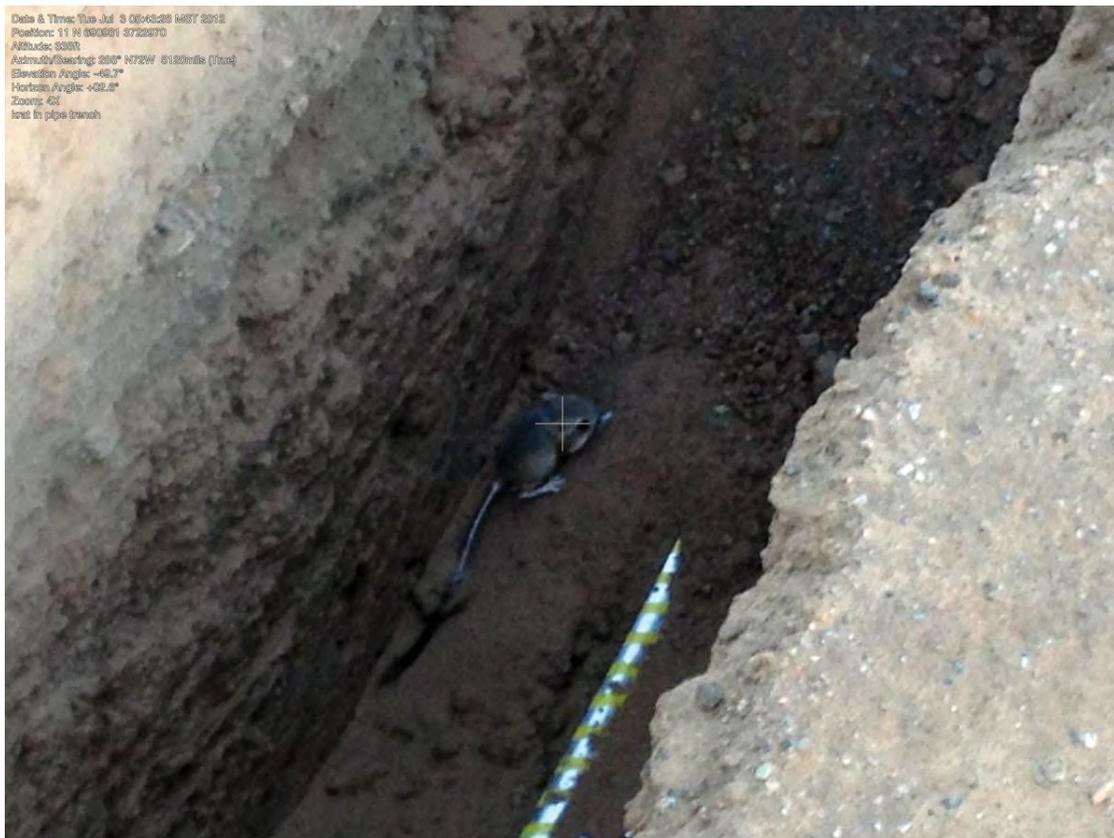
Azimuth/Bearing: 286° N72W 6130mils (True)

Elevation Angle: -46.7°

Horizon Angle: -02.8°

Zoom: 4x

nest in pipe trench





**ATTACHMENT 4**

**DAILY BIOLOGICAL MONITORING LOGS**



## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/1/2012

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 107 Low Temp (°F): 81

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

### Sites Monitored

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

**Activity Log:** 0545 met with bios to orient and discuss surveys. Survey three transects on north side of future gas line 0730 construction worker reported seeing badger around pole 40.  
 0945 completed morning survey. No findings.  
 1000 outside the fence gas pipeline meeting.  
 1200 site orientation for new bio. inspected unit 1 power block and water tower 1 area. Inspected laydown in common area and water tank 0. No findings.  
 1330 reviewed kit fox photos. Drove around site inspected laydowns, trenches, pitfalls, and water tank 2 in unit 2 area. No findings.  
 1745 returned to genesis for  
 Surveys. 20:00 surveys completed for day.  
 Inspect access road during departure. No findings.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		Picked up litter.
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			Vehicles observed appeared to be following 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	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, on powerline pole.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** N/A

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/1/2012

Monitor: Tsegaye Mengistu  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 117 Low Temp (°F): 77

Start Time: 5:30:00 AM Stop Time: 3:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** Conducted pre-construction clearance survey north of access road at 6:45am. Checked equipment lay down areas at Largo, ARB, Newtron, Sukut and SPX site. Telemetry reading at guard station at 5:30am and at 11:00am. Conducted DKF activity and switched camera.

### 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 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 6/4/2012

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 104 Low Temp (°F): 79

Start Time: 5:00:00 AM Stop Time: 5:00:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0500 survey south side of gas transmission line.  
 0900 inspect access road. No findings.  
 Biological monitors inspected powerblocks. Dumpster was reported to be uncovered. Discussed at 14:00 meeting. To be covered.  
 Report of rip rap truck exceeding speed limit within fence. Notified compliance. Rip rap trucks were then seen driving within speed limit.  
 Had unit 1 perimeter fencing inspected. Noted that electric fence was being maintained.  
 Had den 8 west camera pulled and reinstalled at June1 burrow, an active kit fox burrow outside fence.  
 Trenches and pitfalls inspected throughout day.  
 1500 inspected access road. No findings. Some flagging installed at turn arounds. Flagging will need improvement due to hardness of ground.  
 1645 inspected access road. No findings.  
 1700 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		Report of speeding rip rap trucks inside the fence.
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		0
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 6/4/2012

Monitor: Gregg Lukasek  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 100 Low Temp (°F): 88

Start Time: 9:00:00 AM Stop Time: 2:19:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0500 Completed gas line survey. 0900 Relocated wildlife camera from 8 west to June 1 location. 1130 Completed CORA point count survey.

### 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 adult raven was observed 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 6/4/2012

Monitor:  Matt Kedziora   
 Weather Conditions:  Sunny, Clouds: 0%, Pcp: None   
 High Temp (°F):  102  Low Temp (°F):  74

Start Time:  5:00:00 AM  Stop Time:  3:40:00 PM   
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0500-0900 survey south of access road for BUOW/DKF/AB/DT; 10 zebra-tailed lizards seen  
 0900-0930- organize week with Eric.  
 0945- begin DT fence check Unit 1, clockwise from Common Area.  
 1103- arrive at NW corner of DT fence in Unit 1. Crews on site replacing yellow plastic insulators for electric fence.  
 1115- while walking north channel, check DT fence for damage. Riprap staged near fence on top of flood channel berm  
 1140- wind picks up to 10-15 mph  
 1200- end DT Unit 1 survey.  
 1200-1230- lunch  
 1230-1250- organize supplies for access road fencing effort  
 1250-1310- drive to guard shack and start fencing effort  
 1500-end fencing, meet with Tsegaye about day, discuss lost fox whereabouts  
 1500-1530- monitor end-of-day traffic for speed compliance

### 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 NE of Unit 1 solar panels along DT fence
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?			X	N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments 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			Survey Unit 1 DT fence for damage. None seen in Unit 1
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 today-  
 MFTL, zebra tailed lizard, whiptail, side blotch lizard

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/4/2012

Monitor: Mike Ireland  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 100 Low Temp (°F): 88

Start Time: 9:00:00 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:** 5:00 Conducted gas line clearance surveys 9:00 Removed wildlife camera from complex 8 West and moved it to complex June 01. 11:30 conducted CORA point count with Greg. 2:30 left site for the 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			One flying over trailer city.
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 6/4/2012

Monitor: Tsegaye Mengistu  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 111 Low Temp (°F): 79

Start Time: 5:30:00 AM Stop Time: 3:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** Conducted survey at block 2 and 3 in unit 1 at 7:35am. Checked equipment lay down areas at Largo, ARB, MCT, Newtron, Sukut and SPX site. Telemetry reading at guard station at 10:40 am. Conducted DKF activity and switched camera.

### 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			5 ground and 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 6/5/2012

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 99 Low Temp (°F): 78

Start Time: 6:30:00 AM Stop Time: 5:15:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0630 inspected ground beneath a parked rig. Guard shack area very busy with concrete, rip rap, and other trucks. Participated in convoy up access road. Speed limits appeared to be observed.  
 0700 meeting project proponent explained approach to be used for moving topsoil and gravel along gas pipeline installation.  
 0840 jack rabbit reported to be stuck inside exclusionary fence. Herded rabbit out front entrance.  
 0910 SCE crossing road paving meeting at crossing. Inspected access road on way to meeting. Surveyed area of work. Other surveys performed during June 1 through June 4. No findings.  
 Explained/discussed monitoring duties. Introduced monitor to contractor.  
 10:30 Returned to common area. Inspected access road no findings/speed limits appeared to be observed.  
 Had monitor complete perimeter check.  
 Had monitor inspect areas in exclusion zone in anticipation of trenching.  
 11:30 Worked on MCR.  
 1400 meeting  
 1500 inspected kit fox dig (not yet a den) outside yet proximate to temporary exclusion fence. Scat (kit fox) found inside fence near dig. Dig was into the root ball of a creosote.  
 1600 work on MCR.  
 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		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	All work in previously disturbed areas within 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		Red tailed hawk seen perched on power pole near confused rabbit.
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 6/5/2012

Monitor: Tsegaye Mengistu  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 103 Low Temp (°F): 77

Start Time: 5:00:00 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:** Conducted pre-construction clearance survey for Burrowing Owl, Badger, Kit Fox, DT and nesting bird at 5:00 am. Checked Sukut, ARB, Largo, Newtron, MCT and PSX lay down area for wildlife presence. Telemetry reading at guard station and checked DKF site and switched 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			3 flying 3 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 6/6/2012

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 98 Low Temp (°F): 76

Start Time: 4:00:00 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:** 0400 monitor access road. Speed limits appeared to be observed.  
 0430 inspect lighting at caisson area. Lights pointed away from closest desert. Lights aimed toward work areas.  
 0445 notified that a kit fox had been seen in southeast corner of unit 1.  
 0515 noted water ponding at water tank 0. Contacted compliance. Had foreman and compliance look at ponding and they discussed minimization measures.  
 0600 Sukut meeting for SCE crossing crew. And activity staging and mobilization.  
 0930 escorted scraper from plant site to SCE crossing. Assisted with monitoring activities. Observed water truck turn around in a previously restored area, area was previously disturbed by project. Contacted foreman and water truck driver and reviewed turn around procedures.  
 1015 inspected access road back to site. Speed limits appeared to be observed. No findings.  
 1030 received call re: sprint crossing. Turned out it was a planning group for Sprint.  
 11:45 meeting with CEC rep. and discussed previous week's surveys and kit fox  
 12:00 called CEC biologist to discuss same items.  
 1400 meeting.  
 1500 cleaned and recharged peeper scope.  
 1600 Scraper turn at SCE was adjusted. All activities within ROW.  
 1715 left site.

## Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			Had flagging installed previous day at SCE crossing.
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		Picked up trash.
Topsoil segregated properly?	X			Some topsoil pushed to north at SCE crossing. All windrows inside 35' ROW.
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			SCE areas and trenching areas within exclusion zone.
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			1 flying.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** N/A



## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/6/2012

Monitor: Tsegaye Mengistu  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 101 Low Temp (°F): 78

Start Time: 6:30:00 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:** Conducted pre-construction clearance survey in block 1, 2, and 3 in Unit 1. Checked Sukut, ARB, Largo, Newtron, MCT and SPX lay down area for wildlife presence. Telemetry reading at guard station at 6:35 am. Checked DKF site and switched camera cards. Checked road kill on access road at 1:30 pm and 4:30 pm.

### 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			13 flying 10 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 6/7/2012

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 106 Low Temp (°F): 79

Start Time: 7:45:00 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:** 0745 discussed trackout install (Sat).  
 0800 looked at SCE crossing. Inspect access road. No findings.  
 0815 GNECG001 inspection. No birds or sign of activity.  
 0830 GOOCG002 inspection.  
 0845 buffer at GKBTM001  
 0850 notified of 2 ravens at water tank 2.  
 0910 inspection. Of water tank 2.  
 0945 message left with CDFG re: intent to excavate kit fox burrow.  
 1100 meeting.  
 1300 discussed pipeline and scheduling  
 1400 notified agencies that target species had been caught on camera and den was not to be excavated.  
 1405 meeting  
 1500 lined out biologists activities for remainder of week.  
 Bio monitored SCE crossing.  
 Bio cleared trenching area.  
 Throughout day bio checked site for compliance. No issues found.  
 1515 inspect access road. No findings.  
 1535 left site.

### Monitor Checklist

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

**Additional Notes:** N/A



# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/7/2012

Monitor: Tsegaye Mengistu  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 103 Low Temp (°F): 78

Start Time: 5:30:00 AM Stop Time: 3:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** Conducted pre-construction clearance survey in block 1, 2, and 3 in unit 1. Checked Sukut, ARB, Largo, Newtron, MCT and SPX lay down area for wildlife presence. Telemetry reading at guard station at 7:35 am. Checked DKF site and switched camera cards. Checked for road kill on access road at 12:30 pm and 3:30 pm.

### 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			13 flying 10 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 6/8/2012

Monitor: Tsegaye Mengistu  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 105 Low Temp (°F): 77

Start Time: 5:00:00 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:** Conducted pre- construction clearance survey in block 1, 2, and 3 in unit 1. Checked Sukut, ARB, Largo, Newtron, MCT and SPX lay down area for any bio- resources. Telemetry reading at guard station at 6:30am. Checked DKF site and switched camera cards. Checked road kill on access road at 08:30 am and 3:30 pm.

### 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			7 flying 3ground
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 6/11/2012

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 67 Low Temp (°F): 67

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:** 0530 orient bio monitors to activity and safety.  
 0600 meet with pipeline contractor at connex corner. Discuss mobilization.  
 0700 look at pipeline installation area. Clear water truck path.  
 0800 meet with CDFG exchange telemetry and discuss fox items on site.  
 1000 orient review night time activities with bio.  
 11:30 inspect watering activities outside the fence. Check ground beneath equipment. Check laydowns at powerblock 2.  
 1400 meeting.  
 1500 confirmed following day activities with contractor.  
 1545 notified compliance of water leaking from water truck.  
 1600 a non project contractor installed a ditch across project access road. Parked and drove in flagged off undisturbed area. Reported to project proponent.  
 Throughout day 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			All project activities w
Only approved access roads utilized for ingress and egress?	X			Project personnel
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			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 hopping
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 6/11/2012

Monitor: Gregg Lukasek  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 95 Low Temp (°F): 71

Start Time: 3:00:00 AM Stop Time: 12:00:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 02:40 AM preconstruction clearance survey. No wildlife observations.  
 03:00 AM tailgate safety meeting.  
 03:30 AM discussed the process of venomous snake removal and how Largo will contact bio in the event of presence of venomous snakes.  
 03:40 AM arrived at powerblock 1 to biomonitor the area where most construction activity is taking place.  
 06:45 AM checked the perimeter fence and saw that it is intact and in good shape. Scanned for kit fox with binoculars but had no observations.  
 09:30 AM checked desert tortoise grate. Area was clear of wildlife and debris.  
 11:30 AM hiked near unit 2 looking for wildlife. Drove access road to look for road kill. No observations were made.

### Monitor Checklist

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

**Additional Notes:** N/A

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/11/2012

Monitor: Mike Ireland  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 105 Low Temp (°F): 67

Start Time: 5:00:00 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:** 5:00 arrived at site. 6:00 meeting with gas pipeline contractors. 7:30 DKF telemetry and camera monitoring. 8:30 Met with CDFG to exchange telemetry equipment to quickly learn new equipment. 9:00 returned to DKF tasks. 12:00 reviewed DKF camera data. 13:15 met with new BM at gas line regarding electronic data form. 13:55 left to reposition both cameras at the guard shack dens for a broader view of the complex. 14:30 left the site for the 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			One CORA soaring near the plant site gate.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** TUVU

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/11/2012

Monitor: Vick Germany  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 102 Low Temp (°F): 67

Start Time: 5:00:00 AM Stop Time: 4:00:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 5:30 - met with Eric and Mike and went over day's activities.  
 6:00 - met with pipe crew & went over day's activities.  
 7:00 - met with Mike to download apps for forms, photos & dropbox.  
 8:00 - met crew at start of work area by the gate. Drove down to end of work area & back.  
 11:45 - 12:15 lunch.  
 12:00 - first water truck pass.  
 12:15 - drove down to end of work area & back. Picked up some trash along the way. Noted 2 ravens flying  
 2:20 - returned to start of work area.  
 2:30 - drove down to end of work.  
 4:00 - end day.

### Monitor Checklist

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

**Additional Notes:** CORA

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/12/2012

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 105 Low Temp (°F): 72

Start Time: 5:00:00 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:** 0515. Meet/safety/prep for day.  
 0530. Clear area for scraper along access road.  
 0630. Meet with gas line contractor/ monitor water truck and grader along access road. Monitor grader and water truck.  
 0930 inspect access road and water tank 2. No findings.  
 10:00 meeting-cancelled.  
 12:00 outside the fence gas line inspection. Gave bio GPS. Blade is working from zero to about 1.5 inches.  
 13:40 inspect road to trailers. No findings.  
 14:00 meeting  
 15:00 notification to agencies regarding possibility of kit fox den collapsing.  
 1600. Discuss outside the fence gas line plans for tomorrow.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		Food trash found on access road by biomonitor.
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 were obeying speed limits.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			Outside the fence gas line shoulder grading.
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:** The utility crossing activities were not project activities.

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/12/2012

Monitor: Gregg Lukasek  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 107 Low Temp (°F): 78

Start Time: 3:00:00 AM Stop Time: 1:00:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 03:00 AM conducted preconstruction survey in unit 1. No wildlife observed.  
 04:30 AM a scorpion was found in the construction area and collected and relocated to a safer location.  
 06:00 AM surveyed access road. No observations were made.  
 08:00 AM walked along trench in search of wildlife. None found.  
 08:30 AM checked staging area near power block 1. No issues.  
 10:00 AM surveyed access road for road kill. No road kill observed. A fresh piece of fried chicken was found on access road.  
 11:20 AM scanned construction area/newly installed caissons in unit 1.  
 11:50 AM checked area around power block one and the water tank. No water spills or concern.  
 12:30 AM surveyed the access road for wildlife and road kill. No observations were made.

### 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		Piece of chicken on access road. Disposed of in a trash can.
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:**    N/A

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/12/2012

Monitor: Mike Ireland  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 109 Low Temp (°F): 72

Start Time: 5:15:00 AM Stop Time: 2:55:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 5:15 arrived at site. 5:30 Gas line clearance survey. 6:15 Gas pipeline meeting. 7:00 DKF telemetry, camera monitoring, and imagery review. 12:15 returned to Plant Site for monitoring. Staged pipes all properly capped. Staged materials clear of wildlife. 13:45 returned to trailer city to check peeper scope for problems and assemble DKF mortality kits for all monitors. 14:55 left site for the 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		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:**    Horned lizard, MODO

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/12/2012

Monitor: Vick Germany  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 106 Low Temp (°F): 67

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:** 5:30 - tailgate meeting  
 5:40 - walked first 0.5 mile  
 6:00 - tailgate meetings with ARB, Nextel, archaeologists, paleontologist & Native American monitors.  
 7:00 - drove road ahead of water truck  
 8:00 - walked down to kit fox den to observe the den as the water truck & grader passes by. Walked the graded area.  
 10:35 - walked the graded area  
 2:00 - met Eric & he gave me a GPS so I could check out G00CG002. Drove the shoulder ahead of the grader to the second (heading south) flashing speed sign. Doubled back to the closest pull out to G00GC002

### 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-tailed lizards

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/13/2012

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 107 Low Temp (°F): 72

Start Time: 5:00:00 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:** 0515 safety and POD meeting.  
 0530 clear areas for grading (outside the fence gas line shoulder work)  
 0600 Job safety analysis with contractor. Additional inspection of work areas. Review schedule with contractor.  
 0730 inspect power block 2. Completed at 0845. Inspected trenches and pitfalls.  
 0900 Inspected access road, no findings.  
 1100 meeting  
 1230 inspected/monitored gas line clearing. No findings.  
 1400 meeting  
 1500 received notification that telemetry tools were fixed.  
 1600 inspected access road. Discussed upcoming pipeline activities.  
 1630 notified compliance of leaking water truck by guard gate.  
 1645 left site.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		Litter in powerblock two area and food litter in uncovered dumpster. Notified compliance.
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		Reports of gravel trucks and riprap trucks speeding.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			Areas cleared in morning prior to grading.
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			Biomonitor completed perimeter fence check.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			Flying in common area.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Perimeter fence check completed by bio.

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/13/2012

Monitor: Gregg Lukasek  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 107 Low Temp (°F): 82

Start Time: 3:00:00 AM Stop Time: 12:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 02:45AM attended safety meeting at trailers.  
 03:00AM conducted preconstruction survey in unit one. Area was clear for construction activities to begin.  
 04:00AM checked power block one area and trenches.  
 05:15AM surveyed and cleared access road that is scheduled to be graded today. Area was clear.  
 07:00AM drove in front of grader watching for wildlife.  
 09:10AM grading concluded. No wildlife observed.  
 10:00AM surveyed in unit 1. Area was clear.  
 11:00AM surveyed north of access road for 1.5 miles with Mike Ireland. Started at tortoise grate and went east for 1.5 miles.  
 11:50AM surveyed access road for wildlife and road kill. No observations were made.

### 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:**    N/A

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/13/2012

Monitor: Mike Ireland  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 113 Low Temp (°F): 72

Start Time: 5:15:00 AM Stop Time: 3:20:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 5:15 arrived at guard shack.  
 5:45 DKF telemetry monitoring, DKF wildlife camera memory card switchout, and full perimeter fence check combined for efficiency.  
 9:30 perimeter fence in tact; broke off DKF tasks to walk gas line transect. 11:30 returned to DKF tasks.  
 12:30 Installed wildlife camera at June 01 Satellite Den.  
 13:30 started rechecking telemetry at all negative DKF den complexes.  
 14:30 general monitoring of Unit 1.  
 15:20 left site for the 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			One at the guard shack.
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 6/13/2012

Monitor: Vick Germany  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 108 Low Temp (°F): 77

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

## Sites Monitored

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

**Activity Log:** 5:15 - job start meeting with Eric and Gregg.  
 5:45 - from start of project, checked parked equipment & pull out areas to end of project. Meting with Eric & ARB regarding today's activities.  
 7:00 - checked graded area.  
 7:30 - walked graded area.  
 8:30 - moved vehicle to next pull out area.  
 8:45 - walked graded area.  
 9:15 - grading completed.  
 9:45 - ARB going to go back & use the backhoe around the areas with the guy wires.  
 12:25 - observed a raven flying south near the gravel S curve.  
 12:45 - talked to ARB & pipe is not being delivered today. They are going to make breaks in the gravel windrow about every 500 feet. Checked graded area ahead of breaks.  
 3:30 - all breaks put in to end of project limits.  
 End of work.

## Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			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 CORA flying south near the gravel S curve.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:**    Species observed: CORA, zebra-tailed lizard

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/14/2012

Monitor: Eric German  
 Weather Conditions: Windy, Clouds: 0%, Pcp: None  
 High Temp (°F): 104 Low Temp (°F): 78

Start Time: 5:10:00 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:** 0510 ponding of water at guard shack area.  
 0520 safety plan of day with bio.  
 0530 clear SCE crossing area.  
 0600 safety JSA with outside the fence Contractor.  
 0645 look at line with botanist and contractor.  
 0800 inspect unit 2 road area. No findings.  
 0830 stake alignment boundaries.  
 1000 update activity plan with personnel.  
 1100 clear areas for gas line  
 1200 paint ESA signs with botanist.  
 1245 JSA for first corner array of deadmen. Then monitor construction activities in deadman area.  
 14:30 discuss SCE crossing with construction crews.  
 1530 remove some staking at north boundary.  
 1615 leave 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 debris near SCE crossing.
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			Spacing between wind rows.
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?		X		Report of gravel and riprap trucks speeding. Was made aware of radar sign placement change.
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 areas cleared in AM and prior to construction.
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:** Biomonitor inspected plant site.

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/14/2012

Monitor: Gregg Lukasek  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 99 Low Temp (°F): 82

Start Time: 2:45:00 AM Stop Time: 10:00:00 AM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 02:45AM attended morning daily meeting.  
 03:00AM cleared unit 1 for construction to begin.  
 04:00AM cleared power block 1 area and checked trenches and water tank 1. All was clear.  
 04:45AM surveyed access road for wildlife and road kill. No observations.  
 05:15AM tailgate meeting with Eric and the biomonitorers.  
 05:40AM surveyed and cleared the deadman power line poles for pipe delivery.  
 06:40AM bio monitored crew unloading pipes from truck.  
 08:40AM crews finished unloading pipes onto soil. No animals were harmed.  
 09:00AM disposed of dead bat found in assembly building.  
 09:10AM surveyed the turnouts and cleared them.  
 09:40AM surveyed access road for wildlife and road kill. No observations were made.

### 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:**    N/A

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/14/2012

Monitor: Mike Ireland  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 103 Low Temp (°F): 77

Start Time: 5:10:00 AM Stop Time: 12:50:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 5:10 arrived at guard shack and went to morning meeting.  
 5:35 DKF telemetry monitoring and DKF wildlife camera memory card switchout. 8:25 Reviewed DKF wildlife camera data.  
 9:05 Visited inactive LOSH nest. Avian deterrence measures are in place. Nest is in the process of collapsing.  
 9:30 General monitoring of Unit 1 and Unit 2.  
 11:20 started rechecking telemetry at all negative DKF den complexes.  
 12:50 left site for the 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			One at water tank next to power block 1, there was NO standing water. Two perching on a large wire spool half mile east of power block 1.
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 6/14/2012

Monitor: Vick Germany  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 100 Low Temp (°F): 79

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

## Sites Monitored

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

**Activity Log:** 5:15 - meeting with Eric, Gregg & Mike to go over today's activities.  
 5:30 - drove to start of project & checked turnouts & equipment back to end of project.  
 6:15 - pipe delivered. Began laying down bundles of pipe.  
 6:30 - drove into solar project site to check general conditions around plant sites.  
 7:45 - picked up some loose plastic wrap that goes around pallets in Unit 1.  
 8:10 - stopped at 1st pipe bundle & all ends capped but one.  
 8:20 - informed Eric about plastic and missing end cap.  
 8:45 - observed placement of pipe bundles in the graded area.  
 9:45 - walk area around the two deadman including a buffer.  
 10:15 - walked part of the area where the 5 deadmen are located.  
 10:45 - met with Mike to get a lesson on using the telemetry.  
 12:00 to 12:30 - lunch  
 12:30 - moved topsoil at the area of the two deadmen.  
 2:30 - moved to the location of the 5 deadmen. Walked the area.  
 3:30 - work stopped.

## 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			Yes, with exceptions at the deadman locations.
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			See comments for #7

**Additional Notes:**    N/A

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/15/2012

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 104 Low Temp (°F): 76

Start Time: 6:15:00 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:** 0630 plan of day and safety.  
 0645 work with new telemetry equipment.  
 0730 notified that persons are driving around trackout both to east and west side.  
 0745 noted loading of vehicles at rest area.  
 0830 DKF telemetry and camera.  
 Inspect unit 1. Orient bio to site. 1200 Review DKF photos.  
 1330 DKF reports.  
 1600 inspect access road. Persons driving around track out. No other findings.  
 16:30 off site

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		Picked up trash.
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			Observed vehicles appeared to be following speed limit. Minimal traffic.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			All construction in plant site. No new activities.
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 6/15/2012

Monitor: Vick Germany  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 91 Low Temp (°F): 72

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

### Sites Monitored

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

**Activity Log:** 7:30 started kit fox surveys  
 08:30 kit fox telemetry and camera  
 Inspect unit 1. Orientation of site.  
 12:00 Review kit fox photos.

### 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 overhead east to west approximately 11:00
All ESAs and other bio-related exclusion areas marked and avoided?			X	N/A

**Additional Notes:** Single western kingbird observed in CSAA in tree where loggerhead shrikes attempted nesting.



# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/18/2012

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 108 Low Temp (°F): 80

Start Time: 5:00:00 AM Stop Time: 4:45:00 AM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

## Sites Monitored

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

**Activity Log:** 0500 Install barriers at trackout. Flag road edge at guard area.  
 0515 Safety with bios  
 More staking  
 06:00 Safety and plan of day with contractor  
 06:30 Refresh boundary flagging at outside the fence gas line.  
 0700 clear area by deadmen prior to additional ground disturbing activities.  
 07:30 monitor access road. No findings  
 0800 monitor grading and orient biologist to duties and activities.  
 0915. Demonstrate use of new telemetry equipment to biologist.  
 0930 clear and monitor area by second deadman array prior to ground disturbing activities.  
 1100 inspect access road and pipeline right of way. No findings.  
 12:30 review DKF camera data.  
 1400 meeting  
 1500 prepare plan of day for tomorrow.  
 1600 review DKF protocols.  
 1630 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			Additional staking at trackout
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			Traffic observed papered to be following speed limits.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			Pipe fusing, pipe laydowns , and grading 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			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 6/18/2012

Monitor: Gregg Lukasek  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 109 Low Temp (°F): 82

Start Time: 2:30:00 AM Stop Time: 12:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

## Sites Monitored

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

**Activity Log:** 02:30am: surveyed and cleared areas where night construction is occurring for the day.  
 03:00am: attended safety meeting.  
 03:20am: surveyed power block one, trenches and water tank one for wildlife. No observations were made.  
 04:15am: checked heavy machinery at turn arounds for venomous snakes. Checked pipe bundles along access road for venomous snakes. No observations, everything clear.  
 05:00am: surveyed access road for road kill and wildlife. No observations.  
 05:15am: tailgate meeting with Eric and other bio monitors.  
 05:30am: surveyed and cleared the 5 dead man pole section north of access road where pipe unloading will later take place.  
 06:00am: safety meeting with construction crew.  
 07:30am: cleared along access road at points where pipe was unloaded.  
 08:45am: pipe unloading completed. No wildlife injured or observed.  
 09:00am: monitored unit one construction.  
 10:00am: checked power block one and the water tank and trenches. No issues or wildlife observed.  
 11:30am: surveyed around assembly building and laydown areas. No sign or wildlife observed.  
 12:15pm: surveyed the access road for wildlife and road kill. No observations were made.

## Monitor Checklist

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

**Additional Notes:** N/A

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/18/2012

Monitor: Kris Gade  
 Weather Conditions: Windy, Clouds: 0%, Pcp: None  
 High Temp (°F): 115 Low Temp (°F): 75

Start Time: 6:00:00 AM Stop Time: 4:15:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

## Sites Monitored

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

**Activity Log:** 0600 - Met Jessica Auck at site gate for safety training.  
 0800 - Joined Eric German at site on access road where ARB was grading in preparation for gas line trenching. Near pole 113.  
 1100 - Moved over to work near poles 122-126.  
 1145 - lunch break for operator  
 12:30 - continued moving topsoil windrow to allow trenching around anchored poles at curve in road.  
 1315 - break to look for flagger for water truck.  
 1415 - resumed work. Winds increasing, blowing sand.  
 1530 - work stopped due to windy conditions.  
 1600 - went to trailer to get data entry manual.  
 1630 - left site.

## Monitor Checklist

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

**Additional Notes:**    N/A

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/18/2012

Monitor: Tsegaye Mengistu  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 117 Low Temp (°F): 84

Start Time: 5:15:00 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:** Joined JHA meeting for ARB workers at 5:15 am. Conducted pre-construction clearance survey for gas line crew. Telemetry reading at all den locations. Checked DKF den site and switched camera cards. Checked for road kill on access road. Found road kill coach whip at pole # 115 and disposed properly .

### 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			8 flying 4 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 6/19/2012

Monitor: David Charlton  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 106 Low Temp (°F): 76

Start Time: 5:15:00 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:** 515 AECOM tail board safety  
 645 sweep work area  
 700 preconstruction sweep between first and third turnouts  
 800 monitor first work crew setting up  
 1000 monitor second crew enter ESA at 1030 so that they do not park equipment in buffer  
 300 drive access road, follow water truck spraying road shoulder  
 400 crews begin clean up  
 415 conduct final sweep of work areas. No trash, pipes capped. Sensitive resources not impacted.

### 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		Traffic on access road occasionally going too fast
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/a
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/a

**Additional Notes:** N/A



## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/19/2012

Monitor: Gregg Lukasek  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 105 Low Temp (°F): 80

Start Time: 2:30:00 AM Stop Time: 12:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 02:30am: surveyed and cleared the areas in unit one and two where night work is occurring. No wildlife observed.  
 03:10am: roamed between the power block one and unit one areas surveying for wildlife in trenches and casseins.  
 04:00am surveyed and cleared all of the turn outs along the access road. No wildlife observations.  
 05:15am: bio monitor meeting.  
 05:30am: removed a road killed desert kangaroo rat from the access road and disposed of it in garbage.  
 05:55am: picked up trash off access road. A used red towel found near pipe fitting area.  
 06:00am: one raven on access road eating remains from road kill that could not be entirely cleaned up. UTM's 0691354 3722663.  
 06:45am: two ravens observed flying away from UTM 0691882 3722240.  
 07:00am: began clearing the areas where pipe loads were being unloaded. All areas were clear. No wildlife observations were made.  
 09:00am: crews finished unloading pipe loads.  
 09:30am: biomonitored and surveyed the area in unit one being worked on.  
 10:45am: surveyed around the assembly building and checked the lay down areas and water tank.  
 11:30am: surveyed the area around power block one. Checked trenches, lay down area and water tank.  
 12:15pm: surveyed the access road for wildlife and road kill. No observations were made.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		A dirty towel was found on the paved access road. The litter was picked up and disposed of.
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 ravens were observed, all foraging on road kill.
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 6/19/2012

Monitor: Kris Gade  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 110 Low Temp (°F): 75

Start Time: 5:30:00 AM Stop Time: 3:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0530 - Walked two areas where grading will be finished - need to smooth surface for trenching. Saw snake tracks throughout area at larger curve (5 anchored poles). None noted at 2-anchor curve. Significant dust/sand buildup along roadside windrow of road base due to yesterday's wind - the pole numbers are now mostly covered (6 inch wide accumulation).  
 0900 - ARB started watering the area at beginning of road - from construction meeting lot to single anchored pole at corner. Walked and surveyed area, Gregg Lukasek cleared it earlier. Very sandy, will not separate topsoil here, just smooth out for trench installation.  
 1000 - started grading  
 1030 - grader called away to work on pipe fusing. Worked on data sheets and installing apps on iphone  
 1445 - started grading again. No wildlife observed when shrubs were knocked down (about 10 creosote)  
 1515 - grader called away, planned for tomorrow and left at 1530.

### 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			Snake tracks at 5-anchor pole curve.
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 6/19/2012

Monitor: Tsegaye Mengistu  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 113 Low Temp (°F): 80

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

### Sites Monitored

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

**Activity Log:** Joined JHA meeting for ARB workers at 5:15 am. Conducted pre-construction clearance survey for gas line crew. Telemetry reading at guard and May 18 den locations. Checked DKF den site at Guard and May 18 stations and changed memory cards. Collapsed den May 18.

### 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	-
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 6/20/2012

Monitor: David Charlton  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 109 Low Temp (°F): 74

Start Time: 5:15:00 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:** 5:15 AECOM tailboard topics heat, traffic, and rattlesnakes.  
 5:45 drive to work site sweep area between fusing sites. No sensitive species observed.  
 7:00 first crew setting up.  
 7:30 drive access road  
 8:30 blading crew finished  
 9:00 visit second crew asked worker to put a tarp under fusing machine  
 10:00 walk between both sites lizard attracted to water applied for dust control,  
 12:00 lunch  
 1245 crew 2 begins to move  
 Monitor conducts clearance sweep of new work area  
 2:00 monitor crew 2  
 2:20 monitor water trucks  
 2:30 walk crew 2 work site  
 2:45 monitor water trucks  
 3:00 monitor both crews  
 4:00 crew 2 begins clean up  
 4:30 conduct final sweep  
 Sensitive species not encountered impacted by today'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		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 6/20/2012

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 111 Low Temp (°F): 78

Start Time: 5:10:00 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:** 0445 Report of kit fox seen on site. Biological monitor investigating. Not observed.  
 0515 safety and plan of day with bio monitors.  
 0530 cleared utility crossing area. No findings.  
 0600 JSA with contractor.  
 0700 inspect access road and monitor water trucks. Flagged corners of turn arounds.  
 0730 Notified of snake. Biological monitor removed and released.  
 0800 inspected pipe fusing area and monitored. No findings.  
 09:00 Inspected whoops/humps prior to removal.  
 1000 inspected pipes for caps. Replaced/reset loose caps. Pipe laydowns were cleared.  
 1100 office for meeting.  
 12:30 telemetry check for June1 pair at June1 (GKBTM001) and GKBF001 no findings.  
 1400 meeting.  
 1500 den 8 west inspect for Yentl west of unit 1. No findings.  
 1630 met with contractor for plan of day tomorrow.

### 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		Report of orange peels 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			Traffic lighter today and speed limits appeared to be observed.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** N/A

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/20/2012

Monitor: Gregg Lukasek  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 110 Low Temp (°F): 81

Start Time: 2:30:00 AM Stop Time: 12:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

## Sites Monitored

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

**Activity Log:** 02:30am: surveyed and cleared assembly building and area in unit two where night work occurred. No wildlife observed.  
 03:00am: surveyed power block one, trenches and lay down area. No wildlife observed.  
 03:50am: received phone call from Largo that a kit fox was observed in unit two block one on the north side. DKF was observed in parking lot and went into solar panel section headed east and was scanned area for kit fox, but not seen again. Construction crews were notified of the observation and informed to be aware that DKF was in the area. After searching for DKF the access road was watched so that there would be no DKF hit by a vehicle. Only wildlife observed jackrabbit inside the exclusionary fence.  
 05:15am: remained in unit two on the north side to scan for DKF.  
 06:00am: construction safety meeting.  
 06:15am: began kit fox telemetry.  
 06:50am: changed camera card at June 1st GKBTM001 den.  
 07:15am: finished kit fox telemetry. No signals were detected.  
 07:20am: received phone call that a snake was stuck in a trench in unit one block four.  
 07:35am: removed sidewinder from trench.  
 08:00am: surveyed and monitored unit one. No wildlife observed.  
 09:00am: kit fox telemetry at 8 west. 3 rapid pings heard on Yentl's channel.  
 10:55am: continued telemetry in the area of 8 west trying to pick up the ping signal again.  
 11:45am: scanned trenches in unit one and cleared the area. No wildlife observed.  
 12:15pm: surveyed access road for wildlife and road kill. No observations were made.

## Monitor Checklist

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

**Additional Notes:** N/A

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/20/2012

Monitor: Kris Gade  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 98 Low Temp (°F): 75

Start Time: 5:15:00 AM Stop Time: -  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0515 - met at lot, discussed plan for day.  
 0530 - surveyed area just past meeting lot that would be graded.  
 0600 - JHA meeting  
 0710 - grading started at area north of lot. Moving topsoil windrow to make room for trenching for gas line.  
 0800 - Grader is flattening bump in ROW at pole 77. No species present.  
 0815 - At 2nd bump at Sta 125+00. Bumps are adjacent to ridges of desert pavement that run perpendicular to road - shoulder was not leveled fully when road was constructed.  
 0845 - ground disturbance done for now. Monitoring water trucks wetting shoulder of road.  
 0930 - picking up old wire near access road for disposal  
 1130 - picked up paint, shovel at trailer

### 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		Orange peels dropped in center of 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			New 25 mph sign near pipe fusing work area is slowing down traffic well
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:**    N/A

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/20/2012

Monitor: Tsegaye Mengistu  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 113 Low Temp (°F): 83

Start Time: 5:15:00 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:** Joined JHA meeting for ARB workers at 5:15 am. Conducted pre-construction clearance survey for gas line crew. Telemetry reading at all locations. Checked DKF den site at all guard stations and changed memory cards. Conducted common raven fixed point observation.

### 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 flying 1 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 6/21/2012

Monitor: David Charlton  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 104 Low Temp (°F): 85

Start Time: 5:15:00 AM Stop Time: 1:00:00 AM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 5:15 tailboard topics include rattlesnakes in pipe stacks  
 7:30 first crew done setting up  
 Monitor until 9:30 then monitor water truck near gate, observed some water ponding  
 10:00 walk work area and resume monitoring first crew  
 11:30 monitor water trucks no ponding problems  
 12:00 monitor crew two  
 Crew two moving to new location

### Monitor Checklist

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

**Additional Notes:** N/A

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/21/2012

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 110 Low Temp (°F): 78

Start Time: 5:10:00 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:** 0515 bio monitor safety and plan of day. Informed of Mojave green snake road kill buried by bio monitor.  
 0600 contractor JSA. Inspected ground beneath vehicles for desert tortoise and other species. Also inspected access road. No findings. Cleared equipment and turnouts.  
 0700 oriented bio to telemetry and camera data collection.  
 0845 notified of egret in channel east of common area.  
 0845 observed truck parked outside tortoise grate. Contacted receiving and reminded that all parking should be inside gate.  
 0855 arrived at channel egret was gone. Inspected area found one white feather. No other findings  
 0930 DKF camera and telemetry; 1KMS and May18 dens.  
 1100 meeting  
 1230 assisted with flat tire repair.  
 1300 inspect outside the fence gas line. All work within flagged limits.  
 1400 meeting.  
 1500 inspect outside the fence gas line including watering of right of way. All work appeared to be in compliance.  
 1600 confirmed Monday activities with contractor.  
 1615 inspect access road. No findings.

## Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		Picked up litter
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		Rip rap truck appeared to be speeding.
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 equipment and areas cleared prior to 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			Perimeter fence check completed 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			Two, one flying; one was perched on pole at far eastern end of access road
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Turkey vulture north of access road pole 133.  
 Cattle egret in channel east of common area.

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/21/2012

Monitor: Gregg Lukasek  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 109 Low Temp (°F): 85

Start Time: 2:30:00 AM Stop Time: 1:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

## Sites Monitored

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

**Activity Log:** 02:30am: conducted preconstruction survey in units one and two where night work is occurring today. Area was clear for construction activities. No wildlife observed.  
 03:15am: surveyed the access road. Mojave rattlesnake was found killed on the road. The road kill was removed and buried.  
 03:30am: walked along side trenches in unit one searching for trapped wildlife.  
 04:40am: completed surveying trenches in unit one. No wildlife observations were made.  
 05:15am: bio monitor daily meeting.  
 07:00am: began kit fox telemetry and camera card changes.  
 9:00am: finished telemetry and camera card changes. No kit fox signals were detected.  
 09:30am: viewed camera card photos on office computer.  
 10:30am: changed camera card and performed telemetry at 1KMS den.  
 11:00am: biomonitored unit one block four.  
 01:15pm: surveyed access road for road kill and wildlife. No observations were made.

## Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			1 raven
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 6/21/2012

Monitor: Kris Gade  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 109 Low Temp (°F): 83

Start Time: 5:25:00 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:** 0525 - safety meeting  
 0550 - surveying length of fused pipe on foot. Ground beetles (30+), cricket, juv. western fence lizard observed. Some trash (small items - cig butt, bottle cap, drink packet wrapper, duct tape, rubber strips) picked up. Few deeper holes, maybe from a stuck vehicle's tires. Still damp from watering at end of previous day. No sign of ravens.  
 0700 - monitoring fusing work. Splicing together northern junction of sections.  
 0815 - moved to fusing single sections farther down the line.  
 0830 - concerns with ponding just outside site, will check periodically to make sure water soaks in before more is applied.  
 0915 - still some ponded areas in shoulder, but unclear how long ago it was watered.  
 1000 - pipe fusing on hold for crew 2. Getting windy. Going to check access road.  
 1030 - Picked up trash near turnout. Saw desert iguana, zebra-tail, and jackrabbit at 1st turnout on access road south of gate to site perimeter. Last 2 were sheltered under parked pickup. Puddles on shoulder are disappearing in 60 to 90 minutes in general, few deeper ones last longer.  
 1100 - Crew 2 moving to next bundle of pipes, walking area ahead of work.  
 1145 - Finished clearing, picked up trash and repainted ESA stakes. Steady wind. Checked in with D Charlton.  
 1300 - Crew 2 set up for fusing at new bundle of pipes.  
 1400 - Getting windier, collapsed one of the shade canopies.  
 1430 - truck stuck in connex lot, called Eric  
 1520 - truck unstuck, checking watering of shoulders.  
 1615 - ARB is finished fusing for the week.

## 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		Saw one raven at the rest area around 10 am.
All ESAs and other bio-related exclusion areas marked and avoided?	X			Spray painted stakes marking ESAs while walking work areas.

**Additional Notes:** N/A

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/21/2012

Monitor: Tsegaye Mengistu  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 113 Low Temp (°F): 83

Start Time: 5:15:00 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:** Joined JHA meeting for ARB workers at 5:15 am. Conducted pre- construction clearance survey at 6:00AM in block 1, 2, 3, and CSAA in unit 1. No species of concern located in these area. At 11:10 checked the perimeter fencing (exclusionary fence) and the DT 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			5 flying 3 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 6/22/2012

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 106 Low Temp (°F): 78

Start Time: 6:00:00 AM Stop Time: 4:15:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

## Sites Monitored

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

**Activity Log:** 0616 plan of day safety meeting.  
 0630. Meeting with contractor to discuss utility crossing corridor.  
 0645 walk area with bio to discuss monitoring.  
 0710 guard den camera and telemetry.  
 0720 inspect access road. No findings.  
 0730 June 1 den camera and telemetry.  
 0800 ar1. June satellite den camera and telemetry.  
 0840 restaked (2 stakes) limit of disturbance on south side of utility crossing.  
 0915 telemetry and camera 1kms  
 0945 telemetry and camera May18.  
 1030 inspected north side of unit 1. No findings.  
 1130 review camera cards.  
 1230 update species schedules.  
 1400 prepare dkf reports  
 1500 inspect connex for materials. I. E. Lathe, magnets, bleach solution  
 1600 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		Bio monitor picked up organic and inorganic debris.
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?		X		Rip rap trucks may have been exceeding speed limits.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			Utility crossing cleared in morning by bio and myself. Then bio throughout day.
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			No ditch outside fence.
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			Some stakes repainted.

**Additional Notes:** Permanent fence construction has begun.

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/22/2012

Monitor: Kris Gade  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 107 Low Temp (°F): 75

Start Time: 6:00:00 AM Stop Time: 2:45:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

## Sites Monitored

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

**Activity Log:** 0600 - at connex lot, Tsegaye cleared road, talked with Eric about plan for prep and paving at SCE crossing area  
 0630 - tailgate meeting with Sukut  
 0700 - staking west end of detour  
 0715 - monitoring road prep for paving  
 0815 - noticed some stakes lying on ground on south west end of detour road, work right up to where they were (no disturbance to desert). Called Eric to see what he thought. Replaced ESA stake that was on the ground.  
 0830 - Eric walked area, no problem, may have been knocked over by watering. Discussed replacing stakes that are knocked over with Steve Fabel from Sukut.  
 0915 - monitoring work on west end of detour road - incorporating gravel where ruts had formed.  
 0930 - prep work done, paving will start around 1030-1100.  
 1000 - driving access road, everything looks fine.  
 1030 - back at connex lot  
 1115 - paving work beginning. Reminded workers to look out for tortoise, check under vehicles, stay within marked boundary.  
 1245 - paving done except for rolling  
 1345 - rolling finished, drive up to office. Returning equipment.  
 1445 - left site

## Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			Concern with stakes removed/knocked over, but no work outside boundary.
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		Collected a grocery sack of trash in am, mostly construction related debris, one old coffee cup. Probably older than today. Apple core and banana peel found in afternoon ( dropped by paving crew) .
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	Outside the fence, did not view
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 6/22/2012

Monitor: Tsegaye Mengistu  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 111 Low Temp (°F): 80

Start Time: 6:00:00 AM Stop Time: 1:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** Joined JHA meeting for Sukut workers at 6:00am. Conducted pre- construction clearance survey at 6:40AM in block 1,2,and CSAA in unit 1. No species of concern located in these area. Checked equipment lay down areas at Largo, Sukut, Neutron, SPX, and ARB 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			7 flying 5 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 6/25/2012

Monitor: David Charlton  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 107 Low Temp (°F): 85

Start Time: 5:00:00 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:** 5:00 safety meeting topics heat traffic most important  
 5:30-6:30 walk work site, drive access road. Meet with other biomonitor.  
 11:15 second crew has moved to where they left off Friday  
 1:00 return from lunch  
 2:00 move to Arizona crossing crew  
 Is moving soil from high spot to staging area to area next to underground electrical crossing.  
 3:00 complete final sweeps then return to monitor fusing crew  
 4:00 drive access road backhoe still working.  
 4:15 clean up beginning  
 4:30 final sweep of work area.

### Monitor Checklist

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

**Additional Notes:** N/A

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/25/2012

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 108 Low Temp (°F): 74

Start Time: 5:00:00 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:** 0500 safety and plan of day with bios. Coordinate with bios throughout day.  
 0515 clear right of way for gas line and inspect access road. No findings.  
 0600 safety/jsa with contractor. Reminded personnel about wildlife, checking under vehicles, watering, and only use turnouts for turning.  
 0645. Inspect construction areas for gas line.  
 0740 inspect rip rap area near common area. No findings.  
 0800 inspect gas line work. Trench under fence and fusing. No findings.  
 0900 inspect unit 2 lay downs and channels. No findings.  
 1030 inspect unit 1 laydown, channels, ditches. Replaced cap on one pipe. Picked up litter in nw side No other findings.  
 1100 reviewed dkf procedures.  
 12:00 monitored area where pipe went under fence. (near tortoise grate)  
 1330 removed attractive nuisance (small mammal burrow), and backfilled portion of May18 den to deter use by foxes.  
 1530 spoke with safety auditor.  
 1600 contacted gas line contractor for tomorrow's activities.  
 1615 inspected access road. No findings.  
 1645 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 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			Speed limits appeared to be observed.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			Pipeline, and utility crossing area.
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			Trenching and backfill under fence occurred today.
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:** Unknown sparrow. (Brewer's ?).

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/25/2012

Monitor: Greg Lukasek  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 105 Low Temp (°F): 86

Start Time: 2:30:00 AM Stop Time: 12:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 02:30am: conducted preconstruction survey and cleared the area for night work in unit one and unit two. No wildlife observations were made.  
 03:00am: attended Monday morning largo safety meeting at trailer city.  
 03:15am: surveyed trenches in unit one for trapped wildlife. No wildlife observed.  
 04:30am: surveyed access road for road kill and wildlife. Removed a desert kangaroo rat road kill found on access road and buried it.  
 05:00am: daily meeting with bio monitors.  
 05:15am: surveyed and cleared turn out areas. No wildlife observed.  
 05:50am: received phone call from largo about a sidewinder in unit 2 block 1. Removed sidewinder and relocated it to a safe location.  
 06:40am: began kit fox telemetry and camera card replacement.  
 09:45am: downloaded pictures from camera cards in office.  
 11:00am: surveyed access road for wildlife and road kill. No observations were made.  
 11:30am: sorted through kit fox pictures and uploaded and emailed them for the aecom server.

### Monitor Checklist

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

**Additional Notes:** N/A

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/25/2012

Monitor: Tsegaye Mengistu  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 111 Low Temp (°F): 87

Start Time: 5:00:00 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:** Joined Safety meeting for AECOM at 0500 hours. Conducted pre- construction clearance survey and cleared west end of OTF right of way, no findings. At 6:45 AM checked DT guard inside and out side of DT fence area. 7:00 monitored ditching at West end of ROW. At 09:30 checked /inspected access road. At 11:00 cleared area for pipe test no findings. 15:00 PM continued monitoring ditching and backfill area, 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			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
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 6/26/2012

Monitor: David Charlton  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 110 Low Temp (°F): 79

Start Time: 5:00:00 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:** 5:00 safety meeting topics heat traffic most important  
 5:30-6:30 walk work site, drive access road.  
 7:00 drive access road  
 7:40 drive access road, one crew inside fence. One putting wood under pipe joints two fusing pipe.  
 11:30 monitor both crews then drive access road. Crew still working at gate.  
 1:00 return from lunch  
 1:30 monitor work crews until 3:30  
 3:45 drive access road observe trencher which left a trench without a proper ramp.  
 4:15 conduct final clearance of work areas.

### Monitor Checklist

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

**Additional Notes:** N/A

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/26/2012

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 109 Low Temp (°F): 77

Start Time: 5:00:00 AM Stop Time: 4:15:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

## Sites Monitored

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

**Activity Log:** 0500 safety and plan of day with bios. Coordinate with bios throughout day.  
 0515 clear right of way for otf gas line and inspect access road. No findings.  
 0600 safety/jsa with contractor. Reminded personnel about wildlife, checking under vehicles, watering, and stay off reseeded south side.  
 0645. Inspect water wagon, sent back for cleaning. .  
 0700 monitor otf pipe fuse at west end of tie in.  
 0800 inspect unit 2 lay downs and parked equipment no findings  
 0900 discuss safety with compliance.  
 0930 inspect access road and otf activities. No findings.  
 1000 exchange telemetry antenna.  
 1100 inspect shaker plate area. Adjust staking. No other items.  
 1145 inspect access road and otf activities. No findings.  
 1215 inspect joined pipe no findings.  
 1330 prepared bio and cleared area for trenching.  
 1400 meeting.  
 1515 inspected returned and cleaned water wagon. Clean.  
 1530 inspected otf pipe row and access road. No findings.  
 1615 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 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		Some rip rap trucks appeared to be going to fast in construction areas outside the fence.
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			Cleaned tortoise grate.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			Report of two ravens in unit 1 eating food trash.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Red-tailed hawk on power pole. Reports of nighthawks, confirmed by bio.

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/26/2012

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

Start Time: 2:30:00 AM Stop Time: 12:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 02:30am: surveyed and cleared work area prior to construction activities.  
 03:00am: searched trenches in unit one for trapped wildlife. No trapped wildlife.  
 03:30am: used telemetry equipment near May 18 Den. No signal was detected.  
 04:00am: went to office to sort kit fox photos and videos, and to load the gps's with the updated waypoints.  
 04:45am: surveyed access road for wildlife and road kill. No observations made.  
 05:00am: daily bio monitor meeting.  
 05:15am: surveyed and cleared turn outs for construction activities.  
 06:00am: began kit fox telemetry and camera card changing.  
 08:00am: finished kit fox telemetry and camera card changes.  
 08:30am: monitored construction activities along access road.  
 09:30am: surveyed unit one trenches, water tank and lay down areas.  
 10:00am: monitored construction activities just past the tortoise grate.  
 11:00am: surveyed the access road for wildlife and road kill.  
 11:45am: downloaded the photos from the wildlife camera looking for photos of kit fox.

### Monitor Checklist

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

**Additional Notes:** N/A

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/26/2012

Monitor: Tsegaye Mengistu  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 109 Low Temp (°F): 85

Start Time: 5:00:00 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:** Joined Safety meeting for AECOM monitors at 0500 AM. Conducted pre- construction clearance survey and cleared west end of OTF right of way, no findings. At 6:15AM checked DT guard inside and out side of DT fence area. At 06:45 observed dirty water wagon being delivered contacted DB and water wagon was removed from site for cleaning. 7:00 monitored ditching at West end of ROW. At 09:30 checked /inspected access road. At 10:00 cleared/inspected West side of unit 1for wildlife. No findings. 14:00 monitored trencher set up. 15:30PM inspected access road and joined OTF pipe area, 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			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 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 6/27/2012

Monitor: David Charlton  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 116 Low Temp (°F): 79

Start Time: 5:00:00 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:** 5:00 aecom safety meeting  
 5:30 walk work areas  
 No sensitive species observed  
 6:00 attend ARB safety meeting  
 6:30 sweep pipe gaps which are potential work areas..  
 7:00 monitor both work crews.  
 9:46 drive access road  
 10:00-12:00 monitor work crews  
 1:00 monitor work crews  
 1:30 drive access road water trucks applying water to road shoulder.  
 Grader backfilling trench.  
 3:30 drive access road  
 4:15 sweep work areas no trash 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:** N/A

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/27/2012

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 112 Low Temp (°F): 80

Start Time: 5:00:00 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:** 0500 safety and plan of day with bios. Coordinate with bios throughout day. 0515 clear right of way for off gas line and inspect access road. Kangaroo rat mortality removed from right of way. No other findings. 0600 safety/jsa with contractor. Reminded personnel about litter and checking under vehicles, work areas have been clean. 0630. Fencing truck parked on south side of access road and was stuck on shoulder. 0645. Inspect construction areas for gas line and monitor trenching and backfill. All activities within right of way. No compliance issues. 1100 meeting. 12:00 inspect west end of off gas line backfill and finish. 1300 discuss finish of off gas line. Topsoil is to remain windrowed until restoration occurs. 1400 meeting. 1500 inspected off gas line installation. 1600 contacted off gas line contractor for tomorrow's activities. 1615 inspected access road. No findings.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		Picked up litter. Gas line foreman also 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		Reports of speeding rip rap trucks.
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/A2 flying
All ESAs and other bio-related exclusion areas marked and avoided?	X			A truck parked in a reseeded area within right of way.

**Additional Notes:**    N/A

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/27/2012

Monitor: Greg Lukasek  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 105 Low Temp (°F): 86

Start Time: 2:30:00 AM Stop Time: 12:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

## Sites Monitored

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

**Activity Log:** 02:30am: surveyed and cleared the area for construction activities to begin.  
 03:00am: surveyed the trenches, lay down areas and water tank in unit one. No wildlife observed.  
 05:00am: daily bio monitor tailgate meeting.  
 05:15am: surveyed and cleared turn out areas and equipment for construction activities.  
 05:30am: removed desert kangaroo rat road kill and buried it.  
 06:00am: attended morning construction meeting.  
 06:20am: began kit fox telemetry and camera card changes.  
 08:00am: removed a killed desert kangaroo rat from unit 2 block 7 and buried it.  
 09:20am: finished telemetry and camera card changes.  
 09:30am: surveyed unit one trenches, water tank and power block one.  
 10:00am: surveyed the trenches in unit one for trapped wildlife. No observations were made.  
 11:15am: surveyed the access road for wildlife and road kill. No observations were made.  
 11:45am: downloaded and sorted through the wildlife camera cards. Uploaded today's photos through aecom send file system.

## 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 observed
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 6/27/2012

Monitor: Tsegaye Mengistu  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 111 Low Temp (°F): 77

Start Time: 5:00:00 AM Stop Time: 5:00:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** Joined Safety meeting for AECOM monitors at 0500 AM. Conducted pre- construction clearance survey and cleared west end of OTF right of way, no findings. At 6:25AM checked DT guard inside and out side of DT fence area. At 7:00 monitored ditching at West end of ROW. At 10:10 checked /inspected access road and monitored trenching. 16:30PM inspected access road and trenching area 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			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 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 6/28/2012

Monitor: Brennan Mulrooney  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 112 Low Temp (°F): 85

Start Time: 5:00:00 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:** Cleared for and monitored trenching and back filling for gas line.

### 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 an apple core, water bottle, and a couple bags.
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?		X		Most vehicles failed to slow to 10mph around workers.
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 seen at 0500 near guard shack.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Prairie Falcon flew west across access road then stooped on unseen prey. Appeared to get something, but I couldn't see what.

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/28/2012

Monitor: David Charlton  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 114 Low Temp (°F): 85

Start Time: 5:00:00 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:** 5:00 attend aecom safety meeting.  
 5:15-6:50 walk today's work area.  
 6:55-7:30 monitor work area .  
 7:30-8:00 drive access road and observe all 3 fusing crews leak checking crew and trenching crew.  
 8;45 drive access road  
 9:00 monitor work crew  
 11:30 drive access road  
 12:00 monitor work crews  
 1:30 monitor work crews all 3 crews fusing pipe

### Monitor Checklist

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

**Additional Notes:** N/A

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/28/2012

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 110 Low Temp (°F): 84

Start Time: 5:00:00 AM Stop Time: 4:00:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0500 safety and plan of day with bios. Coordinate with bios throughout day.  
 0515 clear right of way for of gas line and inspect access road. No findings.  
 0600 safety/jab with contractor. Reminded personnel about topsoil segregation, checking under vehicles, watering, only use turnouts for turning, and litter.  
 0645. Inspect disturbance areas for gas line and monitor trenching and backfill activities.  
 0830 inspect access road no findings.  
 0900 notify compliance of rabbit removed from hole (alive).  
 0915 paperwork.  
 1030 monitor trenching activities. (of gas line)  
 1100 monitor backfill activities(of gas line)  
 1130 monitor access road. Speeds appeared to be in compliance.  
 1230 monitor trenching.  
 1400 meeting.  
 1545 meet with contractor to discuss Monday's activities.  
 1600 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.
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			Vehicles observed appeared to be following speed limits.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			Two flying. Reports of two other ravens 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 6/28/2012

Monitor: Greg Lukasek  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 109 Low Temp (°F): 88

Start Time: 2:30:00 AM Stop Time: 12:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 02:30am: surveyed and cleared unit 2 and assembly area for construction activities to begin.  
 03:10am: removed a trapped desert jackrabbit from a hole in north west section of unit 1 where chain link fence is being built.  
 03:20am: surveyed trenches in unit 1 for trapped wildlife. No observations were made.  
 04:00: surveyed the area around power block 1, water tank and lay down areas.  
 04:45am: surveyed access road for wildlife and road kill. No observations were made.  
 05:00am: attended daily morning bio monitor meeting.  
 05:15am: surveyed and cleared turn outs and equipment along access road.  
 06:00am: began kit fox telemetry and kit fox camera card changes.  
 06:10am: removed wildlife cameras from May 18 Den.  
 06:53am: finished removing buffer at May 18 Den.  
 09:34am: completed kit fox telemetry and camera card changes.  
 10:02am: downloaded wildlife camera photos and saving the photos with kit fox present.  
 10:14am: surveyed access road for wildlife and road kill. No observations were made.  
 11:00am: surveyed unit 1 trenches, lay down areas, power block and water tank.  
 12:00pm: surveyed access road for wildlife and road kill. Also surveyed turn outs along access road. No observations were made.

### Monitor Checklist

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

**Additional Notes:** N/A

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 6/28/2012

Monitor: Tsegaye Mengistu  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 111 Low Temp (°F): 84

Start Time: 5:00:00 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:** Joined Safety meeting for AECOM monitors at 0500 AM. Conducted pre- construction clearance survey at 6:00 AM. Cleared block 1,2,3 and CSAA in unit 1 no findings. At 14:00 PM checked /inspected access road and monitored trenching. 15:30PM inspected access road and trenching area 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			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
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 6/29/2012

Monitor: Brennan Mulrooney  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 104 Low Temp (°F): 84

Start Time: 5:00:00 AM Stop Time: 3:00:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

## Sites Monitored

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

**Activity Log:** Monitored ripping activities in NW portion of site. Loggerhead shrike foraging near ripping. Western whiptail escorted into undisturbed area. Kangaroo rat taken off site alive. Sidewinder found dead, buried off site. Desert iguana escorted into undisturbed area. 2 ash-throated flycatchers at office trailers. Desert horned lizard carried off site unharmed after it was unearthed by ripping. Found 1 dead kangaroo rat and saw ravens get two others.

## 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		Found lots of trash on site
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		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 6/29/2012

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 110 Low Temp (°F): 83

Start Time: 5:00:00 AM Stop Time: 3:45:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0500 safety and plan of day with bios  
 0530 begin telemetry and camera check.  
 0600 made contact with rip rap truck greeter and reminded to check beneath vehicles.  
 0605 inspect access road no findings.  
 0830 complete telemetry and camera data gathering.  
 0845 picked up syrup container on paved access road.  
 0900 meet CDFG and BLM to test telemetry equipment.  
 0920 picked up food litter from access road.  
 10:00 notified of snake in power block two. Removed and released.  
 11:00 reviewed DKF data.  
 13:30 inspected access road and retrieved telemetry gear. Equipment appears to be working.  
 1430 inspected unit 1 and delivered scrapers. Scrapers were delivered clean. No other findings.  
 1520 inspect access road. Speed limits appeared to be observed.

### Monitor Checklist

General	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		Picked up food 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			Speed limits appeared to be observed.
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 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 6/29/2012

Monitor: Tsegaye Mengistu  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 111 Low Temp (°F): 88

Start Time: 5:00:00 AM Stop Time: 1:45:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** Joined Safety meeting for AECOM monitors at 0500 AM. Conducted pre- construction clearance survey at 6:00 AM. Cleared block 1,2 and CSAA in unit 1 no findings. At 8:45AM checked/inspected DT exclusionary fence and DT fences are 100% intact. 12:00 checked equipment lay down areas and 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			2 flying
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** N/A

**ATTACHMENT 5**

**SURVEY DATA FORMS**



# Genesis Solar – Preconstruction Nesting Summary Report (Part 1 of 2)



Surveyor	Date	Start Time	End Time	Areas Monitored	Nest ID	Start UTM Northing	Start UTM Easting	End UTM Northing	End UTM Easting	Start Temp (°F)	End Temp (°F)	Weather Conditions	Cloud Cover	Nest Information	Nest UTM Northing	Nest UTM Easting
Tsegaye Mengistu	6/1/2012	6:45:00 AM	10:00:00 AM	Access Road, Gas Line	N/A	3721109	694138	3724192	689264	77	103	Sunny	0%	N/A	-	-
Tsegaye Mengistu	6/28/2012	6:00:00 AM	12:30:00 PM	Plant Site	N/A	3757712	684198	3727110	683706	85	109	Sunny	0%	N/A	-	-

# Genesis Solar - Preconstruction Nesting Summary Report (Part 2 of 2)



Surveyor	Date	Start Time	End Time	Areas Monitored	Nest ID	Nest Microhabitat	Nest Stage	No. of Eggs	No. of Young	No. Fledged	Adult Location	Nest Disposition	Buffer Established?	Buffer Distance (feet)	Distance to ROW (feet)	Comments
Tsegaye Mengistu	6/1/2012	6:45:00 AM	10:00:00 AM	Access Road, Gas Line	N/A	N/A	N/A	0	0	0	-	-	-	0	0	No nesting bird or nest found.
Tsegaye Mengistu	6/28/2012	6:00:00 AM	12:30:00 PM	Plant Site	N/A	N/A	N/A	0	0	0	-	-	-	0	0	1 K. Rat observed during survey.

# 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
Mike Ireland	6/4/2012	R4. 683203 W, 3727508 N	11:44:00 AM	11:54:00 AM	20000	20000	SE	3	None	96	0%
Mike Ireland	6/4/2012	R3. 683684 W, 3727437 N	12:05:00 PM	12:15:00 PM	20000	20000	SE	9	None	96	0%
Mike Ireland	6/4/2012	R5. 685761 W, 3727662 N	12:32:00 PM	12:42:00 PM	20000	20000	SE	8	None	96	0%
Mike Ireland	6/4/2012	R7. 686177 W, 3725504 N	12:53:00 PM	1:03:00 PM	20000	20000	SE	5	None	98	0%
Mike Ireland	6/4/2012	R6. 687910 W, 3726586 N	1:12:00 PM	1:22:00 PM	20000	20000	SE	8	None	100	0%
Mike Ireland	6/4/2012	R2. 686736 W, 3726215 N	1:35:00 PM	1:45:00 PM	20000	20000	SE	5	None	103	0%
Mike Ireland	6/4/2012	R1. 691217 W, 3722767 N	2:08:00 PM	2:18:00 PM	20000	20000	SE	8	None	100	0%
Tsegaye Mengistu	6/20/2012	R4. 683203 W, 3727508 N	9:10:00 AM	9:20:00 AM	20000	20000	Variable	1	None	92	0%
Tsegaye Mengistu	6/20/2012	R3. 683684 W, 3727437 N	9:30:00 AM	9:40:00 AM	20000	20000	Variable	1	None	93	0%
Tsegaye Mengistu	6/20/2012	R5. 685761 W, 3727662 N	10:10:00 AM	10:20:00 AM	20000	20000	Variable	1	None	95	0%
Tsegaye Mengistu	6/20/2012	R6. 687910 W, 3726586 N	10:40:00 AM	10:50:00 AM	20000	20000	Variable	1	None	96	0%
Tsegaye Mengistu	6/20/2012	R2. 686736 W, 3726215 N	11:10:00 AM	11:20:00 AM	20000	20000	Variable	1	None	96	0%
Tsegaye Mengistu	6/20/2012	R7. 686177 W, 3725504 N	11:35:00 AM	11:45:00 AM	20000	20000	-	1	None	99	0%
Tsegaye Mengistu	6/20/2012	R1. 691217 W, 3722767 N	12:00:00 PM	12:10:00 PM	20000	20000	Variable	1	None	103	0%

# 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 <sup>st</sup> Distance Obs. (m)	Closest Distance Obs. (m)	Habitat & Perching Habitat	Audio Observation?	Visual Observation?	Observation Notes
Mike Ireland	6/4/2012	R1. 691217 W, 3722767 N	2:18:00 PM	-	-	0	-	-	-	-	-	-	-	No CORA Observed.
Mike Ireland	6/4/2012	R2. 686736 W, 3726215 N	1:45:00 PM	-	-	0	-	-	-	-	-	-	-	No CORA Observed.
Mike Ireland	6/4/2012	R6. 687910 W, 3726586 N	1:22:00 PM	-	-	0	-	-	-	-	-	-	-	No CORA Observed.
Mike Ireland	6/4/2012	R7. 686177 W, 3725504 N	1:03:00 PM	-	-	0	-	-	-	-	-	-	-	No CORA Observed.
Mike Ireland	6/4/2012	R5. 685761 W, 3727662 N	12:39:00 PM	Unknown	Adult	1	Flying	S	1000	75	Creosote Bush Scrub	YES	YES	Flew by point in the direction of trailer city.
Mike Ireland	6/4/2012	R3. 683684 W, 3727437 N	12:15:00 PM	-	-	0	-	-	-	-	-	-	-	No CORA Observed.
Mike Ireland	6/4/2012	R4. 683203 W, 3727508 N	11:54:00 AM	-	-	0	-	-	-	-	-	-	-	No CORA Observed.
Tsegaye Mengistu	6/20/2012	R1. 691217 W, 3722767 N	12:00:00 PM	-	-	0	-	-	-	-	-	-	-	No observation
Tsegaye Mengistu	6/20/2012	R7. 686177 W, 3725504 N	11:35:00 AM	-	-	0	-	-	-	-	-	-	-	No raven observed
Tsegaye Mengistu	6/20/2012	R2. 686736 W, 3726215 N	11:10:00 AM	-	-	0	-	-	-	-	-	-	-	No observed
Tsegaye Mengistu	6/20/2012	R6. 687910 W, 3726586 N	10:40:00 AM	-	-	0	-	-	-	-	-	-	-	No raven observed
Tsegaye Mengistu	6/20/2012	R5. 685761 W, 3727662 N	10:10:00 AM	-	-	0	-	-	-	-	-	-	-	No raven observed
Tsegaye Mengistu	6/20/2012	R3. 683684 W, 3727437 N	9:30:00 AM	-	-	0	-	-	-	-	-	-	-	No raven observed
Tsegaye Mengistu	6/20/2012	R4. 683203 W, 3727508 N	9:10:00 AM	-	-	0	-	-	-	-	-	-	-	No raven observed

## **Genesis Solar Energy Project – Preconstruction Survey Report for the Natural Gas Pipeline, Main Access Road**

Genesis Solar Energy Project (GSEP) began construction of the natural gas pipeline along the existing main access road (from Wiley’s Well Rest Area to the plant site) in June 2012. The pipeline was installed within 35 feet of the center line of the existing paved road on the northeastern side of the road. Disturbance included grading, trenching and laying of pipe associated with the pipeline and turnabouts for equipment and receiving/laydown areas. The turnarounds and receiving/laydown areas are on the southwestern side of the main access road and also within the previous receiving area/parking and laydown area near the guard shack. Below is the methodology and results of the preconstruction surveys conducted prior to the construction activities.

### **METHODOLOGY**

Project biologists Charles (Eric) German, Tsegaye Mengistu, Dave Charlton, Gregg Lukasek, Mike Ireland, and Matt Kedziora conducted preconstruction surveys within the disturbance area of the gas pipeline and associated buffers between June 1 and June 5, 2012. Field survey datasheets are included within Appendix A. Photos are included within Appendix B.

Surveys were conducted in accordance with the methods agreed to with the resource agencies prior to implementation with the exception of the buffer on the southwest side of the access road, which was extended from the proposed 100 feet out to 500 feet (Appendix C). Surveys were conducted along transects as shown in Figure 1 prior to the initiation of construction activities. All sign and observations of desert tortoise (DT), American badger (AB), western burrowing owl (WBO), desert kit fox (DKF) and nesting birds were recorded. Incidental wildlife observations were noted. Specific survey requirements and methodologies are discussed below. Surveys were conducted generally at dawn and dusk, with exact survey times, temperatures and weather conditions as per Table 1 below.

Table 1. Wildlife Survey Methodology, Pre-construction Survey, Natural Gas Pipeline

Date	Surveyors	Start			End		
		Time	Temp (°F)	Wind (mph)	Time	Temp (°F)	Wind (mph)
6/1/2012	Charles German; Tsegaye Mengistu; Dave Charlton	6:45 AM	81	3	9:45 AM	98	3
6/1/2012	Charles German; Gregg Lukasek; Tsegaye Mengistu; Dave Charlton	5:45 PM	111	10	7:45 PM	104	10
6/2/2012	Gregg Lukasek; Charles German; Tsegaye Mengistu; Dave Charlton	5:39 AM	78	2	9:07 AM	94	
6/2/2012	Gregg Lukasek; Charles German; Dave Charlton	5:54 PM	106	5	6:55 PM	103	12
6/3/2012	Gregg Lukasek; Dave Charlton	5:45 AM	74	2	8:20 AM	87	4
6/4/2012	Charles German; Gregg Lukasek; Mike Ireland; Matt Kedziora	5:30 AM	79	7	8:30 AM	88	10
6/5/2012	Gregg Lukasek; Mike Ireland; Tsegaye Mengistu; Matt Kedziora	5:30 AM	77	4	9:00 AM	85	5

**Desert Tortoise (DT) Clearance Surveys (BIO-9)** – In addition to the preconstruction survey transects conducted prior to the initiation of construction (Figure 1), the entire length of the gas pipeline route was surveyed for DT by the DB (or BM under the supervision of the DB) within 24 hours prior to construction activities. The parking/receiving and laydown areas were surveyed with transects spaced no greater than 5 meters apart.

**Burrowing Owl (WBO) Pre-construction Surveys (BIO-18)** – WBO surveys were conducted within the disturbance area and within the 500 foot buffer. Transects were spaced sufficiently close to allow for 100% visual coverage (generally 20 meters apart) while searching for WBO, nesting birds, and potential burrows for WBO, DKF, AB and DT. Surveys were generally conducted between two hours before sunset until civil twilight and from prior to sunrise until 10AM.

**Nesting Bird Surveys (BIO-8)** – Limited nesting bird activity was expected due to high temperatures during the construction period (early June start date). The habitat was assessed and it was determined that potential nesting activity (other than WBO) within creosote bush habitat includes ground nesters such as lesser nighthawk and the ground was searched for ground nesters in this habitat type. Within ironwood/palo verde habitat, tree nesting species (such as verdin, black-tailed gnatcatcher) may be present, so these areas were additionally searched for nesting birds and existing pole structures were searched for nests or nesting behavior.

Nesting bird surveys were conducted concurrently with preconstruction surveys for WBO, DKF, DT and AB. Within ironwood/palo verde habitat, extra time was taken to search for tree nesting species.

**Desert Kit Fox/American Badger Surveys (BIO-17)** – Preconstruction surveys for DKF and AB were conducted concurrently with DT and WBO surveys. While surveys for DKF and AB are only required to within 90 feet of the disturbance area, all observed potentially active dens were recorded. If dens were within 90 feet, the dens were monitored for activity.

## **RESULTS**

Habitat within the disturbance area has already been previously surveyed and disturbed with topsoil stockpiled on the northeastern side. There is no to very little vegetation within this area. Within the 500 foot buffer areas, there is sparse vegetation that consists primarily of creosote (*Larrea tridentata*), burro-weed (*Ambrosia dumosa*), and plantain (*Plantago* sp.). These species are typical of a Sonoran creosote bush scrub plant community. All wildlife observations are shown below in Table 2 and in Figure 1 and the results of specific species observations are discussed below.

### **Desert Tortoise**

No DT/DT sign was observed within the disturbance area during surveys conducted between June 1 through 5 and during all 24 hour preconstruction DT clearance surveys conducted prior to daily construction activities.

Within the 500 foot buffer, the only DT sign observed were six DT bone fragments, two of which were mineralized, suggesting fossilization (Figure 1). No direct impacts to DT were therefore expected due to the construction of the natural gas pipeline.

## **Burrowing Owl**

No WBO or WBO burrows with sign were observed within the disturbance area. One potential WBO burrow (burrow of suitable size with potential WBO sign) was observed within the 500 foot buffer (Figure 1). This burrow was visited several times at dawn and no WBO were observed and no new sign was present. This burrow is considered to be currently inactive.

No direct impacts to WBO were therefore expected due to the construction of the natural gas pipeline.

## **Nesting Birds**

Three bird species were observed during preconstruction surveys; loggerhead shrike (*Lanius ludovicianus*), horned lark (*Eremophila alpestris*) and common raven (*Corvus corax*). However, no nesting behavior was seen.

One nest was observed (Figure 1) and was initially considered potentially active (cup-shaped nest in palo verde). This nest was observed for behavior or the presence of birds for several days at dawn. No birds were observed associated with the nest so the nest was considered inactive.

No nests or nesting behavior were observed during preconstruction surveys. No direct impacts to nesting birds were therefore anticipated due to this activity.

## **Desert Kit Fox/American Badger**

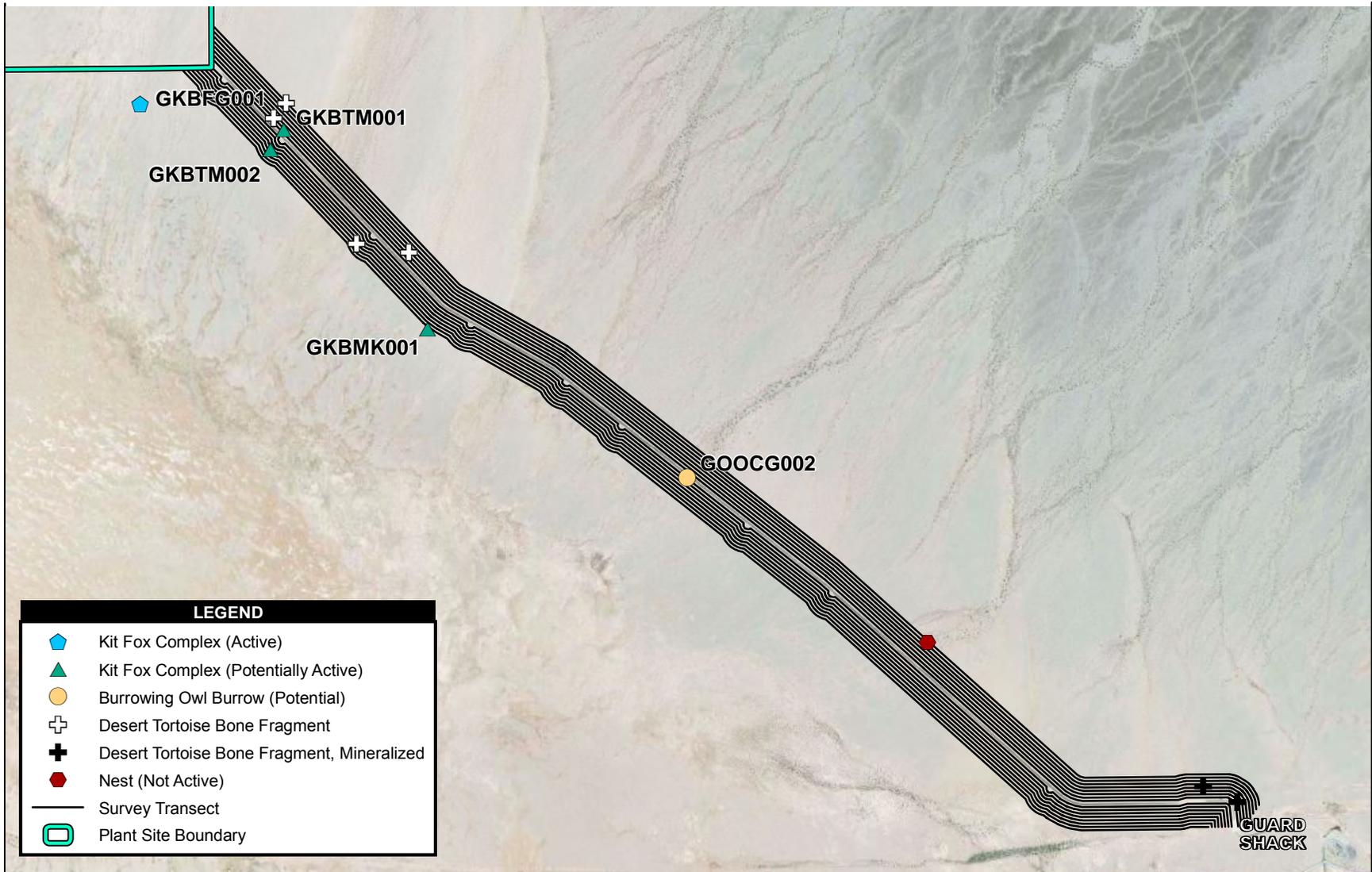
No DKF or AB burrows were found within the disturbance area. No AB or AB sign was observed within the 500 foot buffer. Three DKF burrow/burrow complexes were found within the 500 foot buffer and one additional DKF burrow complex was observed outside of the 500 foot buffer, just to the south of the Plant Site Boundary (Figure 1 and Table 2).

Camera stations were set up at the burrows labeled GKBTM001 and GKBFG001 and both burrow complexes were noted to be active DKF dens. Recently GKBTM001 has become inactive and the DKF pair associated with this burrow appear to have moved to GKBTM002. One of this DKF pair (male) is a DKF radio-collared by the California Department of Fish and Game and the location of this fox is actively monitored. Since GKBMK001 is outside the 500 foot buffer, this burrow was not actively monitored for DKF.

## **DISCUSSION**

Preconstruction surveys for the natural gas pipeline were conducted to ensure compliance with the California Energy Commission (CEC) Conditions of Certification, the U.S. Fish and Wildlife Biological Opinion and other related permits for the GSEP. No observations of DT (other than small bone fragments), WBO, nesting birds or AB were made during this survey effort. Four DKF complexes were observed during surveys, none of which were within the disturbance area. Two of these complexes were monitored with camera stations and one of the DKF associated with these burrows is a radio-collared fox and was monitored via telemetry.

Biological monitors were present in all areas associated with the construction of the natural gas pipeline (i.e. outside the DT exclusion fencing) during vegetation salvage, grubbing, grading and other ground-disturbing activities. Since no DT exclusion fencing was in place, a biological monitor was present within the immediate vicinity of construction activities. Biological monitors were also present to ensure that DKF were not directly impacted by construction activities.



Source: GSEP 2012; AECOM 2012; Microsoft 2011



3,000 0 3,000 Feet



Scale: 1:36,000; 1 inch = 3,000 feet

Genesis Solar Energy Project

**Figure 1**  
**Preconstruction Survey, Gas Line Transmission Line**  
**June 2012**

Path: P:\2011\60220713\06GIS\6.3\_Layout\Bio\PreConSurvey\Preconstruction Survey Gas Line Transmission Line.mxd, 6/19/2012, irelandm

Table 2. Wildlife Observations, Pre-construction Survey, Natural Gas Pipeline

Observation	GPS Code	Northing	Easting	Notes (Acronyms - Burrowing Owl [WBO], Badger [AB], Kit Fox [DKF], Tortoise [DT])	Live Species Present	Burrow Complex?	Burrow Dimensions (H x W x D)	Burrow Suitable For (Species) and Status (Active [A], Potentially Active [PA], Suitable [S], Not Suitable [NS])	Sign Present	DT Sign Class
Burrowing Owl Burrow (Potential)	GOOCG002	3723065	690818	White wash on apron; former DKF complex; inactive; old DKF scat	None	Yes	4 x 8 x 24+'' (turns left)	WBO-S; AB - S; DKF - S; DT - S	WBO - WW; DKF - Scat	N/A
Desert Tortoise Bone Fragment	GDCTM001	3725217	688311	One desert tortoise bone fragment; marginal from adult DT; not mineralized, 1" x 1/2", Class 5. Old	None	N/A	N/A	N/A	DT Carcass	5
Desert Tortoise Bone Fragment	GDCTM004	3724413	689132	Adult desert tortoise bone fragment, 2" x 2". Class 5. Old bone. Single bone fragment and second fragment found about 100 m away.	None	N/A	N/A	N/A	DT Carcass	5
Desert Tortoise Bone Fragment	GDCGL001	3725310	688386	Adult desert tortoise bone fragment found. Old. Not mineralized. 1/4" x 1/2" Class 5	None	N/A	N/A	N/A	DT Carcass	5
Desert Tortoise Bone Fragment	GDCTM005	3724464	688815	Desert tortoise bone fragment, Class 5, 1.5" x 1.8"	None	N/A	N/A	N/A	DT Carcass	5
Desert Tortoise Bone Fragment, Mineralized	GDCTM002	3721133	694151	Desert tortoise bone fragment; 1/2" x 1/2", beginning to mineralize, Class 5.	None	N/A	N/A	N/A	DT Carcass	5
Desert Tortoise Bone Fragment, Mineralized	GDCTM003	3721228	693945	Desert tortoise bone fragment; old and mineralized; Class 5; adult, 1.5" x 0.8"	None	N/A	N/A	N/A	DT Carcass	5
Kit Fox Complex (Active)	GKBFG001	3725298	687505	Not observed during surveys; found by CDFG during DKF trapping efforts. Telemetry indicates this is an active den.						
Kit Fox Complex (Potentially Active)	GKBTM001	3725147	688371	Active kit fox complex with 10 openings, many tracks and scat, unknown if natal. One small piece of potential kit fox skin found outside burrow. Visited again in evening and tracks observed at burrow. Camera set up on 6/4/12.	None	Yes	10 openings, variable dimensions	WBO - S; AB - S; DT - S; DKF - PA;	DKF - Trk, Scat, Oth	N/A

Kit Fox Complex (Potentially Active)	GKBMK001	3723952	689248	Five burrow complex with scat in various states of decay; some fresh	None	Yes	10 x 8 x 36+\" turns left	WBO - S; DKF - PA; DT - S	DKF - Scat	N/A
Kit Fox Complex (Potentially Active)	GKBTM002	3725029	688293	Three burrow complex; fresh DKF scat and tracks	None	Yes	8 x 7 x 36+\" turns right	WBO - S; AB - S; DKF - PA; DT - S;	DKF - Trk, Scat	N/A
Nest (Not Active)	GNECG001	3722082	692274	Potentially active cup-shaped nest in palo verde; about 6\" in diameter. Unknown if active. No birds observed in area. Observed later in day (at 7:15 to 7:30 PM) and no birds observed.	None	N/A	N/A	N/A	Nest	N/A

**Attachments:**

Appendix A - Field Data

Appendix B – Photos

## **APPENDIX A**

### **FIELD DATA**

PRE-CONSTRUCTION CLEARANCE SURVEY (BURROWING OWL - WBO; BADGER - AB; KIT FOX - DKF, TORTOISE - DT, NESTING BIRD) DATA SHEET

Project: Genesis

Location: OTF GASLINE

Date: JUNE 1, 2012

Page 1 of 1

GPS Unit	Surveyor(s)	GPS Unit	Surveyor(s)
personal	ERIC GERMAN (CG)		

	Time	Temp (°F)	Wind (mph)	Precip.	Cloud Cover (%)
Start	6:45	81°	1-3 mp	0	0%
End	9:45	96	1-3 mp	0	0%

Potential Burrows or Nests:

Burrow or Nest ID (GPS IDENT Code*)	GPS Easting	GPS Northing	Species Present (Circle)	Burrow complex?¹	Burrow Dimension H x W x D (in.)	Burrow Suitable for (Circle) and Status¹ (Circle):	Sign Present (Circle) WW=whitewash, Pell=Pellets, Feath=feathers, Claw=claw marks, Trk=tracks, Car=carcass, Oth=other	Description and Comments, **Note Class of any DT sign**
G00CG001	0693088	3721179	WBO AB DKF DT Nest None Other	Y N NA		WBO - A, PA, S, NS AB - A, PA, S, NS DKF - A, PA, S, NS DT - A, PA, S, NS Nest - A, PA, Inact N/A Other	WBO - WW Pell Feath Trk Oth AB - Claw Trk, Scat, Carc, Oth DKF - Claw Trk Scat Carc Oth DT - Trk Scat Car Egg shell, Oth Nest - Eggs, Chicks, Oth None Other	DEER SKELETON DISARTICULATED ≈ 2-4 years - ESTIMATE
			WBO AB DKF DT Nest None Other	Y N NA		WBO - A, PA, S, NS AB - A, PA, S, NS DKF - A, PA, S, NS DT - A, PA, S, NS Nest - A, PA, Inact N/A Other	WBO - WW Pell Feath Trk Oth AB - Claw Trk, Scat, Carc, Oth DKF - Claw Trk Scat Carc Oth DT - Trk Scat Car Egg shell, Oth Nest - Eggs, Chicks, Oth None Other	
			WBO AB DKF DT Nest None Other	Y N NA		WBO - A, PA, S, NS AB - A, PA, S, NS DKF - A, PA, S, NS DT - A, PA, S, NS Nest - A, PA, Inact N/A Other	WBO - WW Pell Feath Trk Oth AB - Claw Trk, Scat, Carc, Oth DKF - Claw Trk Scat Carc Oth DT - Trk Scat Car Egg shell, Oth Nest - Eggs, Chicks, Oth None Other	
			WBO AB DKF DT Nest None Other	Y N NA		WBO - A, PA, S, NS AB - A, PA, S, NS DKF - A, PA, S, NS DT - A, PA, S, NS Nest - A, PA, Inact N/A Other	WBO - WW Pell Feath Trk Oth AB - Claw Trk, Scat, Carc, Oth DKF - Claw Trk Scat Carc Oth DT - Trk Scat Car Egg shell, Oth Nest - Eggs, Chicks, Oth None Other	
			WBO AB DKF DT Nest None Other	Y N NA		WBO - A, PA, S, NS AB - A, PA, S, NS DKF - A, PA, S, NS DT - A, PA, S, NS Nest - A, PA, Inact N/A Other	WBO - WW Pell Feath Trk Oth AB - Claw Trk, Scat, Carc, Oth DKF - Claw Trk Scat Carc Oth DT - Trk Scat Car Egg shell, Oth Nest - Eggs, Chicks, Oth None Other	

\*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., GBBS001). See last page for nomenclature and codes.

¹Burrow Status: A = Active (occupancy is confirmed by visual detection of species or sign indicates recent use), PA = Potentially Active (species occupancy not confirmed, but sign indicates possible use), S = Suitable (no evidence of recent use by species, but burrow is suitable), NS = Not Suitable (burrow not suitable for this species), Inact = inactive nest present.

SIDELINE, ZEBRA TAIL, MFTL

PRE-CONSTRUCTION CLEARANCE SURVEY (BURROWING OWL - WBO; BADGER - AB; KIT FOX - DKF, TORTOISE - DT, NESTING BIRD) DATA SHEET

Project: Genesis

Location: DTF GasLine

Date: 06/11/12

Page 1 of 1

GPS Unit	Surveyor(s)	GPS Unit	Surveyor(s)
9	Tsegaye Mengistu	9	

	Time	Temp (°F)	Wind (mph)	Precip.	Cloud Cover (%)
Start	6:45	81°F	1-3 mph	none	0
End	10:00	103°F	1-3 mph	none	0

Potential Burrows or Nests:

Burrow or Nest ID (GPS IDENT Code*)	GPS Easting	GPS Northing	Species Present (Circle)	Burrow complex?¹	Burrow Dimension H x W x D (in.)	Burrow Suitable for (Circle) and Status¹ (Circle):	Sign Present (Circle) WW=whitewash, Pell=Pellets, Feath=feathers, Claw=claw marks, Trk=tracks, Car=carcass, Oth=other	Description and Comments, **Note Class of any DT sign**
No Findings			WBO	Y N NA		WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	
			AB			AB - A, PA, S, NS	AB - Claw Trk, Scat, Carc, Oth	
			DKF			DKF - A, PA, S, NS	DKF - Claw Trk Scat Carc Oth	
			DT			DT - A, PA, S, NS	DT - Trk Scat Car Egg shell, Oth	
			Nest			Nest - A, PA, Inact	Nest - Eggs, Chicks, Oth	
			None			N/A	None	
			Other			Other	Other	
			WBO			Y N NA		
AB	AB - A, PA, S, NS	AB - Claw Trk, Scat, Carc, Oth						
DKF	DKF - A, PA, S, NS	DKF - Claw Trk Scat Carc Oth						
DT	DT - A, PA, S, NS	DT - Trk Scat Car Egg shell, Oth						
Nest	Nest - A, PA, Inact	Nest - Eggs, Chicks, Oth						
None	N/A	None						
Other	Other	Other						
WBO	Y N NA		WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth				
AB			AB - A, PA, S, NS	AB - Claw Trk, Scat, Carc, Oth				
DKF			DKF - A, PA, S, NS	DKF - Claw Trk Scat Carc Oth				
DT			DT - A, PA, S, NS	DT - Trk Scat Car Egg shell, Oth				
Nest			Nest - A, PA, Inact	Nest - Eggs, Chicks, Oth				
None			N/A	None				
Other			Other	Other				
WBO			Y N NA		WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth		
AB	AB - A, PA, S, NS	AB - Claw Trk, Scat, Carc, Oth						
DKF	DKF - A, PA, S, NS	DKF - Claw Trk Scat Carc Oth						
DT	DT - A, PA, S, NS	DT - Trk Scat Car Egg shell, Oth						
Nest	Nest - A, PA, Inact	Nest - Eggs, Chicks, Oth						
None	N/A	None						
Other	Other	Other						
WBO	Y N NA				WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth		
AB			AB - A, PA, S, NS	AB - Claw Trk, Scat, Carc, Oth				
DKF			DKF - A, PA, S, NS	DKF - Claw Trk Scat Carc Oth				
DT			DT - A, PA, S, NS	DT - Trk Scat Car Egg shell, Oth				
Nest			Nest - A, PA, Inact	Nest - Eggs, Chicks, Oth				
None			N/A	None				
Other			Other	Other				

\*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., GBBSD001). See last page for nomenclature and codes.

¹Burrow Status: A = Active (occupancy is confirmed by visual detection of species or sign indicates recent use), PA = Potentially Active (species occupancy not confirmed, but sign indicates possible use), S = Suitable (no evidence of recent use by species, but burrow is suitable), NS = Not Suitable (burrow not suitable for this species), Inact = inactive nest present.

PRE-CONSTRUCTION CLEARANCE SURVEY (BURROWING OWL - WBO; BADGER - AB; KIT FOX - DKF, TORTOISE - DT, NESTING BIRD) DATA SHEET

Project: Genesis Location: OTF GASLINE Date: JUNE 1 MORNING Page 1 of 2

GPS Unit	Surveyor(s)	GPS Unit	Surveyor(s)
SM16	P CHARLTON		

	Time	Temp (°F)	Wind (mph)	Precip.	Cloud Cover (%)
Start	6:45	81	1-3	-	8
End	9:45	105	1-3	-	8

Potential Burrows or Nests:

Burrow or Nest ID (GPS IDENT Code*)	GPS Easting	GPS Northing	Species Present (Circle)	Burrow complex?¹	Burrow Dimension H x W x D (in.)	Burrow Suitable for (Circle) and Status¹ (Circle):	Sign Present (Circle) WW=whitewash, Pell=Pellets, Feath=feathers, Claw=claw marks, Trk=tracks, Car=carcass, Oth=other	Description and Comments, **Note Class of any DT sign**
	No findings		WBO	Y N NA		WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	FRINGE TOED LIZARD David Charlton
			AB			AB - A, PA, S, NS	AB - Claw Trk Scat Carc, Oth	
			DKF			DKF - A, PA, S, NS	DKF - Claw Trk Scat Carc Oth	
			DT			DT - A, PA, S, NS	DT - Trk Scat Car Egg shell, Oth	
			Nest			Nest - A, PA, Inact	Nest - Eggs, Chicks, Oth	
			None			N/A	None	
			Other			Other	Other	
			WBO	Y N NA		WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	
			AB			AB - A, PA, S, NS	AB - Claw Trk, Scat, Carc, Oth	
			DKF			DKF - A, PA, S, NS	DKF - Claw Trk Scat Carc Oth	
			DT			DT - A, PA, S, NS	DT - Trk Scat Car Egg shell, Oth	
			Nest			Nest - A, PA, Inact	Nest - Eggs, Chicks, Oth	
			None			N/A	None	
			Other			Other	Other	
			WBO	Y N NA		WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	
			AB			AB - A, PA, S, NS	AB - Claw Trk, Scat, Carc, Oth	
			DKF			DKF - A, PA, S, NS	DKF - Claw Trk Scat Carc Oth	
			DT			DT - A, PA, S, NS	DT - Trk Scat Car Egg shell, Oth	
			Nest			Nest - A, PA, Inact	Nest - Eggs, Chicks, Oth	
			None			N/A	None	
			Other			Other	Other	
			WBO	Y N NA		WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	
			AB			AB - A, PA, S, NS	AB - Claw Trk, Scat, Carc, Oth	
			DKF			DKF - A, PA, S, NS	DKF - Claw Trk Scat Carc Oth	
			DT			DT - A, PA, S, NS	DT - Trk Scat Car Egg shell, Oth	
			Nest			Nest - A, PA, Inact	Nest - Eggs, Chicks, Oth	
			None			N/A	None	
			Other			Other	Other	

\*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., GBBSD001). See last page for nomenclature and codes.

¹Burrow Status: A = Active (occupancy is confirmed by visual detection of species or sign indicates recent use), PA = Potentially Active (species occupancy not confirmed, but sign indicates possible use), S = Suitable (no evidence of recent use by species, but burrow is suitable), NS = Not Suitable (burrow not suitable for this species), Inact = inactive nest present.

FRINGE TOED LIZARD  
WESTERN WHIPTAIL

PRE-CONSTRUCTION CLEARANCE SURVEY (BURROWING OWL – WBO; BADGER – AB; KIT FOX - DKF, TORTOISE - DT, NESTING BIRD) DATA SHEET

Project: Genesis Location: Gasline Date: 6/1/12 Page 1 of 1

GPS Unit	Surveyor(s)	GPS Unit	Surveyor(s)
Personal	GL	Personal	TM
Personal	EG		

	Time	Temp (°F)	Wind (mph)	Precip.	Cloud Cover (%)
Start	5:45 pm	111°F	10	N/A	0%
End	7:45 pm	104°F	10	N/A	35%

Potential Burrows or Nests:

Burrow or Nest ID (GPS IDENT Code*)	GPS Easting	GPS Northing	Species Present (Circle)	Burrow complex? <sup>1</sup>	Burrow Dimension H x W x D (in.)	Burrow Suitable for (Circle) and Status <sup>1</sup> (Circle):	Sign Present (Circle) WW=whitewash, Pell=Pellets, Feath=feathers, Claw=claw marks, Trk=tracks, Car=carcass, Oth=other	Description and Comments, **Note Class of any DT sign**
6DCTM001	0688310	3725217	WBO	Y N NA	N/A	WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	1 DT bone fragment Marginal from adult DT. Not mineralized. 1" x 1/2". class 5. Old.
			AB			AB - A, PA, S, NS	AB - Claw Trk, Scat, Carc, Oth	
			DKF			DKF - A, PA, S, NS	DKF - Claw Trk Scat Carc Oth	
			DT			DT - A, PA, S, NS	DT - Trk Scat Car Egg shell, Oth	
			Nest			Nest - A, PA, Inact	Nest - Eggs, Chicks, Oth	
			None			N/A	None	
			Other			Other	Other	
6KBTM001	0688370	3725148	WBO	Y N NA	10 openings Dimensions vary.	WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	Active Kit Fox complex with 10 openings. Many tracks and scat. Unknown if natal. 1 small piece of KF skin found outside burrow
			AB			AB - A, PA, S, NS	AB - Claw Trk, Scat, Carc, Oth	
			DKF			DKF - A, PA, S, NS	DKF - Claw Trk Scat Carc Oth	
			DT			DT - A, PA, S, NS	DT - Trk Scat Car Egg shell, Oth	
			Nest			Nest - A, PA, Inact	Nest - Eggs, Chicks, Oth	
			None			N/A	None	
			Other			Other	Other	
			WBO	Y N NA		WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	
			AB			AB - A, PA, S, NS	AB - Claw Trk, Scat, Carc, Oth	
			DKF			DKF - A, PA, S, NS	DKF - Claw Trk Scat Carc Oth	
			DT			DT - A, PA, S, NS	DT - Trk Scat Car Egg shell, Oth	
			Nest			Nest - A, PA, Inact	Nest - Eggs, Chicks, Oth	
			None			N/A	None	
			Other			Other	Other	
			WBO	Y N NA		WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	
			AB			AB - A, PA, S, NS	AB - Claw Trk, Scat, Carc, Oth	
			DKF			DKF - A, PA, S, NS	DKF - Claw Trk Scat Carc Oth	
			DT			DT - A, PA, S, NS	DT - Trk Scat Car Egg shell, Oth	
			Nest			Nest - A, PA, Inact	Nest - Eggs, Chicks, Oth	
			None			N/A	None	
			Other			Other	Other	

\*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., GBBSD001). See last page for nomenclature and codes.

<sup>1</sup>Burrow Status: A = Active (occupancy is confirmed by visual detection of species or sign indicates recent use), PA = Potentially Active (species occupancy not confirmed, but sign indicates possible use), S = Suitable (no evidence of recent use by species, but burrow is suitable), NS = Not Suitable (burrow not suitable for this species), Inact = inactive nest present.

PRE-CONSTRUCTION CLEARANCE SURVEY (BURROWING OWL – WBO; BADGER – AB; KIT FOX - DKF, TORTOISE - DT, NESTING BIRD) DATA SHEET

Project: Genesis Location: OTF GAS LINE Date: JUNE 1 AFTERNOON Page 2 of 2

GPS Unit	Surveyor(s)	GPS Unit	Surveyor(s)
SMIG	CHARLTON		

	Time	Temp (°F)	Wind (mph)	Precip.	Cloud Cover (%)
Start	6:45	111	10 mph	2%	0
End	7:30	104	2-10	7%	35

start 0697932  
3725635  
0689297  
3724214 end

Potential Burrows or Nests:

Burrow or Nest ID (GPS IDENT Code*)	GPS Easting	GPS Northing	Species Present (Circle)	Burrow complex? <sup>1</sup>	Burrow Dimension H x W x D (in.)	Burrow Suitable for (Circle) and Status <sup>1</sup> (Circle):	Sign Present (Circle) WW=whitewash, Pell=Pellets, Feath=feathers, Claw=claw marks, Trk=tracks, Car=carcass, Oth=other	Description and Comments, **Note Class of any DT sign**
			WBO AB DKF DT Nest None Other	Y N NA		WBO – A, PA, S, NS AB – A, PA, S, NS DKF – A, PA, S, NS DT – A, PA, S, NS Nest – A, PA, Inact N/A Other	WBO – WW Pell Feath Trk Oth AB – Claw Trk, Scat, Carc, Oth DKF – Claw Trk Scat Carc Oth DT – Trk Scat Car Egg shell, Oth Nest - Eggs, Chicks, Oth None Other	<i>David Charlton</i>
			WBO AB DKF DT Nest None Other	Y N NA		WBO – A, PA, S, NS AB – A, PA, S, NS DKF – A, PA, S, NS DT – A, PA, S, NS Nest – A, PA, Inact N/A Other	WBO – WW Pell Feath Trk Oth AB – Claw Trk, Scat, Carc, Oth DKF – Claw Trk Scat Carc Oth DT – Trk Scat Car Egg shell, Oth Nest - Eggs, Chicks, Oth None Other	
			WBO AB DKF DT Nest None Other	Y N NA		WBO – A, PA, S, NS AB – A, PA, S, NS DKF – A, PA, S, NS DT – A, PA, S, NS Nest – A, PA, Inact N/A Other	WBO – WW Pell Feath Trk Oth AB – Claw Trk, Scat, Carc, Oth DKF – Claw Trk Scat Carc Oth DT – Trk Scat Car Egg shell, Oth Nest - Eggs, Chicks, Oth None Other	
			WBO AB DKF DT Nest None Other	Y N NA		WBO – A, PA, S, NS AB – A, PA, S, NS DKF – A, PA, S, NS DT – A, PA, S, NS Nest – A, PA, Inact N/A Other	WBO – WW Pell Feath Trk Oth AB – Claw Trk, Scat, Carc, Oth DKF – Claw Trk Scat Carc Oth DT – Trk Scat Car Egg shell, Oth Nest - Eggs, Chicks, Oth None Other	
			WBO AB DKF DT Nest None Other	Y N NA		WBO – A, PA, S, NS AB – A, PA, S, NS DKF – A, PA, S, NS DT – A, PA, S, NS Nest – A, PA, Inact N/A Other	WBO – WW Pell Feath Trk Oth AB – Claw Trk, Scat, Carc, Oth DKF – Claw Trk Scat Carc Oth DT – Trk Scat Car Egg shell, Oth Nest - Eggs, Chicks, Oth None Other	

NO FINDINGS

\*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., GBBSD001). See last page for nomenclature and codes.

<sup>1</sup>Burrow Status: A = Active (occupancy is confirmed by visual detection of species or sign indicates recent use), PA = Potentially Active (species occupancy not confirmed, but sign indicates possible use), S = Suitable (no evidence of recent use by species, but burrow is suitable), NS = Not Suitable (burrow not suitable for this species), Inact = inactive nest present.

*extra land*

PRE-CONSTRUCTION CLEARANCE SURVEY (BURROWING OWL - WBO; BADGER - AB; KIT FOX - DKF, TORTOISE - DT, NESTING BIRD) DATA SHEET

Project: Genesis

Location: Gasline

Date: 6/2/11

Page 1 of 7

GPS Unit	Surveyor(s)	GPS Unit	Surveyor(s)
Personal	GL	60	TM
Personal	EG		

	Time	Temp (°F)	Wind (mph)	Precip.	Cloud Cover (%)
Start	5:39	78°F	1-2	N/A	28%
End	9:07	94°F	1-5	N/A	20%

Potential Burrows or Nests:

Burrow or Nest ID (GPS IDENT Code*)	GPS Easting	GPS Northing	Species Present (Circle)	Burrow complex?¹	Burrow Dimension H x W x D (in.)	Burrow Suitable for (Circle) and Status¹ (Circle):	Sign Present (Circle) WW=whitewash, Pell=Pellets, Feath=feathers, Claw=claw marks, Trk=tracks, Car=carcass, Oth=other	Description and Comments, **Note Class of any DT sign**
GDKTMO02	0694150	3721133	WBO	Y N NA		WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	DT bone fragment. 1 1/2" x 1/2" Beginning to mineralize. Class 5.
			AB			AB - A, PA, S, NS	AB - Claw Trk, Scat, Carc, Oth	
			DKF			DKF - A, PA, S, NS	DKF - Claw Trk Scat Carc Oth	
			DT			DT - A, PA, S, NS	DT - Trk Scat <u>Car</u> Egg shell, Oth	
			Nest			Nest - A, PA, Inact	Nest - Eggs, Chicks, Oth	
			None			N/A	None	
			Other			Other	Other	
GDKTMO03	0693944	3721228	WBO	Y N NA		WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	DT bone fragment, old and mineralized. Class 5 from adult. Surface signs present. 1.5" x .8"
			AB			AB - A, PA, S, NS	AB - Claw Trk, Scat, Carc, Oth	
			DKF			DKF - A, PA, S, NS	DKF - Claw Trk Scat Carc Oth	
			DT			DT - A, PA, S, NS	DT - Trk Scat <u>Car</u> Egg shell, Oth	
			Nest			Nest - A, PA, Inact	Nest - Eggs, Chicks, Oth	
			None			N/A	None	
			Other			Other	Other	
GNECS001	0692273	3722683	WBO	Y N NA		WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	cup shaped nest in photo voids. About 6" in diameter. Unknown if active. No birds seen in void.
			AB			AB - A, PA, S, NS	AB - Claw Trk, Scat, Carc, Oth	
			DKF			DKF - A, PA, S, NS	DKF - Claw Trk Scat Carc Oth	
			DT			DT - A, PA, S, NS	DT - Trk Scat Car Egg shell, Oth	
			Nest			<u>Nest - A, PA</u> Inact	Nest - Eggs, Chicks, Oth <u>visure</u>	
			None			N/A	None	
			Other			Other	Other	
GDKTMO04	0689138	3724413	WBO	Y N NA		WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	Adult DT bone fragment 2" x 2" Class 5, old bone. Single bone found. 12nd fragment found 100m away.
			AB			AB - A, PA, S, NS	AB - Claw Trk, Scat, Carc, Oth	
			DKF			DKF - A, PA, S, NS	DKF - Claw Trk Scat Carc Oth	
			DT			DT - A, PA, S, NS	DT - Trk Scat <u>Car</u> Egg shell, Oth	
			Nest			Nest - A, PA, Inact	Nest - Eggs, Chicks, Oth	
			None			N/A	None	
			Other			Other	Other	
① - CHECKED NEST 7:15pm - 7:30pm NO BIRDS SEEN ALSO VISITED GNECS001 - SOME PLANTS			WBO	Y N NA		WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	
			AB			AB - A, PA, S, NS	AB - Claw Trk, Scat, Carc, Oth	
			DKF			DKF - A, PA, S, NS	DKF - Claw Trk Scat Carc Oth	
			DT			DT - A, PA, S, NS	DT - Trk Scat Car Egg shell, Oth	
			Nest			Nest - A, PA, Inact	Nest - Eggs, Chicks, Oth	
			None			N/A	None	
			Other			Other	Other	

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TM Start 0694197 3721130  
GL Start 0694221 3721119  
EG Start 0694259 3721125

TM Stop 0687931 3725674  
GL Stop 0687931 3725694  
EG Stop 0687931 3725752

Whiptail, shortie  
Species observed: horned lark, orange-breasted nuthatch

PRE-CONSTRUCTION CLEARANCE SURVEY (BURROWING OWL - WBO; BADGER - AB; KIT FOX - DKF, TORTOISE - DT, NESTING BIRD) DATA SHEET

Project: Genesis

Location: Gasline

Date: 6/2/12

Page 2 of 8

GPS Unit	Surveyor(s)	GPS Unit	Surveyor(s)
Personal	GL		
Personal	EG		

	Time	Temp (°F)	Wind (mph)	Precip.	Cloud Cover (%)
Start	5:54	106	3-5	N/A	10%
End	6:35	103	8-12	N/A	5%

Potential Burrows or Nests:

Burrow or Nest ID (GPS IDENT Code*)	GPS Easting	GPS Northing	Species Present (Circle)	Burrow complex?¹	Burrow Dimension H x W x D (in.)	Burrow Suitable for (Circle) and Status¹ (Circle):	Sign Present (Circle) WW=whitewash, Pell=Pellets, Feath=feathers, Claw=claw marks, Trk=tracks, Car=carcass, Oth=other	Description and Comments, **Note Class of any DT sign**
No Observations/No Points ONE RAVEN ON POWER POLE			WBO	Y N NA		WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	
			AB			AB - A, PA, S, NS	AB - Claw Trk, Scat, Carc, Oth	
			DKF			DKF - A, PA, S, NS	DKF - Claw Trk Scat Carc Oth	
			DT			DT - A, PA, S, NS	DT - Trk Scat Car Egg shell, Oth	
			Nest			Nest - A, PA, Inact	Nest - Eggs, Chicks, Oth	
			None			N/A	None	
			Other			Other	Other	
			Other			Other	Other	
			WBO	Y N NA		WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	
			AB			AB - A, PA, S, NS	AB - Claw Trk, Scat, Carc, Oth	
			DKF			DKF - A, PA, S, NS	DKF - Claw Trk Scat Carc Oth	
			DT			DT - A, PA, S, NS	DT - Trk Scat Car Egg shell, Oth	
			Nest			Nest - A, PA, Inact	Nest - Eggs, Chicks, Oth	
			None			N/A	None	
			Other			Other	Other	
			Other			Other	Other	
			WBO	Y N NA		WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	
			AB			AB - A, PA, S, NS	AB - Claw Trk, Scat, Carc, Oth	
			DKF			DKF - A, PA, S, NS	DKF - Claw Trk Scat Carc Oth	
			DT			DT - A, PA, S, NS	DT - Trk Scat Car Egg shell, Oth	
			Nest			Nest - A, PA, Inact	Nest - Eggs, Chicks, Oth	
			None			N/A	None	
			Other			Other	Other	
			Other			Other	Other	
			WBO	Y N NA		WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	
			AB			AB - A, PA, S, NS	AB - Claw Trk, Scat, Carc, Oth	
			DKF			DKF - A, PA, S, NS	DKF - Claw Trk Scat Carc Oth	
			DT			DT - A, PA, S, NS	DT - Trk Scat Car Egg shell, Oth	
			Nest			Nest - A, PA, Inact	Nest - Eggs, Chicks, Oth	
			None			N/A	None	
			Other			Other	Other	
			Other			Other	Other	

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PRE-CONSTRUCTION CLEARANCE SURVEY (BURROWING OWL - WBO; BADGER - AB; KIT FOX - DKF, TORTOISE - DT, NESTING BIRD) DATA SHEET

Project: Genesis Location: GASLINE Date: JUNE 2nd

Page 1 of 2

GPS Unit	Surveyor(s)	GPS Unit	Surveyor(s)
SM 16	DAVID CHARLTON		

	Time	Temp (°F)	Wind (mph)	Precip.	Cloud Cover (%)
Start	5:45	79°	1-3 mph	-	50
End	9:07	94	1-3 mph	-	100

START TO WEST 0694239 0687937  
3721120 3725216

Potential Burrows or Nests:

Burrow or Nest ID (GPS IDENT Code*)	GPS Easting	GPS Northing	Species Present (Circle)	Burrow complex?¹	Burrow Dimension H x W x D (in.)	Burrow Suitable for (Circle) and Status¹ (Circle):	Sign Present (Circle) WW=whitewash, Pell=Pellets, Feath=feathers, Claw=claw marks, Trk=tracks, Car=carcass, Oth=other	Description and Comments, **Note Class of any DT sign**
			WBO AB DKF DT Nest None Other	Y N NA		WBO - A, PA, S, NS AB - A, PA, S, NS DKF - A, PA, S, NS DT - A, PA, S, NS Nest - A, PA, Inact N/A Other	WBO - WW Pell Feath Trk Oth AB - Claw Trk, Scat, Carc, Oth DKF - Claw Trk Scat Carc Oth DT - Trk Scat Car Egg shell, Oth Nest - Eggs, Chicks, Oth None Other	
			WBO AB DKF DT Nest None Other	Y N NA		WBO - A, PA, S, NS AB - A, PA, S, NS DKF - A, PA, S, NS DT - A, PA, S, NS Nest - A, PA, Inact N/A Other	WBO - WW Pell Feath Trk Oth AB - Claw Trk, Scat, Carc, Oth DKF - Claw Trk Scat Carc Oth DT - Trk Scat Car Egg shell, Oth Nest - Eggs, Chicks, Oth None Other	
			WBO AB DKF DT Nest None Other	Y N NA		WBO - A, PA, S, NS AB - A, PA, S, NS DKF - A, PA, S, NS DT - A, PA, S, NS Nest - A, PA, Inact N/A Other	WBO - WW Pell Feath Trk Oth AB - Claw Trk, Scat, Carc, Oth DKF - Claw Trk Scat Carc Oth DT - Trk Scat Car Egg shell, Oth Nest - Eggs, Chicks, Oth None Other	
			WBO AB DKF DT Nest None Other	Y N NA		WBO - A, PA, S, NS AB - A, PA, S, NS DKF - A, PA, S, NS DT - A, PA, S, NS Nest - A, PA, Inact N/A Other	WBO - WW Pell Feath Trk Oth AB - Claw Trk, Scat, Carc, Oth DKF - Claw Trk Scat Carc Oth DT - Trk Scat Car Egg shell, Oth Nest - Eggs, Chicks, Oth None Other	
			WBO AB DKF DT Nest None Other	Y N NA		WBO - A, PA, S, NS AB - A, PA, S, NS DKF - A, PA, S, NS DT - A, PA, S, NS Nest - A, PA, Inact N/A Other	WBO - WW Pell Feath Trk Oth AB - Claw Trk, Scat, Carc, Oth DKF - Claw Trk Scat Carc Oth DT - Trk Scat Car Egg shell, Oth Nest - Eggs, Chicks, Oth None Other	

\*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., GBBSD001). See last page for nomenclature and codes.

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TRINCE TOPE 11  
WHIPTAIL 11  
ERBRA 2/11  
LQUAN, TALL 11  
HORNED LIZARD

PRE-CONSTRUCTION CLEARANCE SURVEY (BURROWING OWL – WBO; BADGER – AB; KIT FOX - DKF, TORTOISE - DT, NESTING BIRD) DATA SHEET

Project: Genesis Location: GASLINE Date: JUN 2

GPS Unit	Surveyor(s)	GPS Unit	Surveyor(s)
	DAVID CHARLTON		

	Time	Temp (°F)	Wind (mph)	Precip.	Cloud Cover (%)
Start	5:45	106	3-5 mph	←	20%
End	1:00	103	8-12	—	15%

Potential Burrows or Nests:

Burrow or Nest ID (GPS IDENT Code*)	GPS Easting	GPS Northing	Species Present (Circle)	Burrow complex? <sup>1</sup>	Burrow Dimension H x W x D (in.)	Burrow Suitable for (Circle) and Status <sup>1</sup> (Circle):	Sign Present (Circle) WW=whitewash, Pell=Pellets, Feath=feathers, Claw=claw marks, Trk=tracks, Car=carcass, Oth=other	Description and Comments, **Note Class of any DT sign**
			WBO AB DKF DT Nest None Other	Y N NA		WBO – A, PA, S, NS AB – A, PA, S, NS DKF – A, PA, S, NS DT – A, PA, S, NS Nest – A, PA, Inact N/A Other	WBO – WW Pell Feath Trk Oth AB – Claw Trk, Scat, Carc, Oth DKF – Claw Trk Scat Carc Oth DT – Trk Scat Car Egg shell, Oth Nest - Eggs, Chicks, Oth None Other	
			WBO AB DKF DT Nest None Other	Y N NA		WBO – A, PA, S, NS AB – A, PA, S, NS DKF – A, PA, S, NS DT – A, PA, S, NS Nest – A, PA, Inact N/A Other	WBO – WW Pell Feath Trk Oth AB – Claw Trk, Scat, Carc, Oth DKF – Claw Trk Scat Carc Oth DT – Trk Scat Car Egg shell, Oth Nest - Eggs, Chicks, Oth None Other	
			WBO AB DKF DT Nest None Other	Y N NA		WBO – A, PA, S, NS AB – A, PA, S, NS DKF – A, PA, S, NS DT – A, PA, S, NS Nest – A, PA, Inact N/A Other	WBO – WW Pell Feath Trk Oth AB – Claw Trk, Scat, Carc, Oth DKF – Claw Trk Scat Carc Oth DT – Trk Scat Car Egg shell, Oth Nest - Eggs, Chicks, Oth None Other	
			WBO AB DKF DT Nest None Other	Y N NA		WBO – A, PA, S, NS AB – A, PA, S, NS DKF – A, PA, S, NS DT – A, PA, S, NS Nest – A, PA, Inact N/A Other	WBO – WW Pell Feath Trk Oth AB – Claw Trk, Scat, Carc, Oth DKF – Claw Trk Scat Carc Oth DT – Trk Scat Car Egg shell, Oth Nest - Eggs, Chicks, Oth None Other	
			WBO AB DKF DT Nest None Other	Y N NA		WBO – A, PA, S, NS AB – A, PA, S, NS DKF – A, PA, S, NS DT – A, PA, S, NS Nest – A, PA, Inact N/A Other	WBO – WW Pell Feath Trk Oth AB – Claw Trk, Scat, Carc, Oth DKF – Claw Trk Scat Carc Oth DT – Trk Scat Car Egg shell, Oth Nest - Eggs, Chicks, Oth None Other	

\*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., GBBSD001). See last page for nomenclature and codes.

<sup>1</sup>Burrow Status: A = Active (occupancy is confirmed by visual detection of species or sign indicates recent use), PA = Potentially Active (species occupancy not confirmed, but sign indicates possible use), S = Suitable (no evidence of recent use by species, but burrow is suitable), NS = Not Suitable (burrow not suitable for this species), Inact = inactive nest present.

PRE-CONSTRUCTION CLEARANCE SURVEY (BURROWING OWL - WBO; BADGER - AB; KIT FOX - DKF, TORTOISE - DT, NESTING BIRD) DATA SHEET

Project: Genesis Location: Gasline Date: 6/3/12

Page 1 of 1

GPS Unit	Surveyor(s)	GPS Unit	Surveyor(s)
Personal	GL		

	Time	Temp (°F)	Wind (mph)	Precip.	Cloud Cover (%)
Start	5:45	74	1-2 mph	N/A	15% cc
End	8:20	87	1-4	N/A	5% cc

Potential Burrows or Nests:

Burrow or Nest ID (GPS IDENT Code*)	GPS Easting	GPS Northing	Species Present (Circle)	Burrow complex?¹	Burrow Dimension H x W x D (in.)	Burrow Suitable for (Circle) and Status¹ (Circle):	Sign Present (Circle) WW=whitewash, Pell=Pellets, Feath=feathers, Claw=claw marks, Trk=tracks, Car=carcass, Oth=other	Description and Comments, **Note Class of any DT sign**
GDK6001	0688385	3725310	WBO	Y N NA	-	WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	* Adult DT bone fragment found. Old. Not mineralized 1/2" x 1/2". class 5
			AB			AB - A, PA, S, NS	AB - Claw Trk, Scat, Carc, Oth	
			DKF			DKF - A, PA, S, NS	DKF - Claw Trk Scat Carc Oth	
			DT			DT - A, PA, S, NS	DT - Trk Scat Car Egg shell, Oth	
			Nest			Nest - A, PA, Inact	Nest - Eggs, Chicks, Oth	
			None			N/A	None	
			Other			Other	Other	
			WBO	Y N NA		WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	
			AB			AB - A, PA, S, NS	AB - Claw Trk, Scat, Carc, Oth	
			DKF			DKF - A, PA, S, NS	DKF - Claw Trk Scat Carc Oth	
			DT			DT - A, PA, S, NS	DT - Trk Scat Car Egg shell, Oth	
			Nest			Nest - A, PA, Inact	Nest - Eggs, Chicks, Oth	
			None			N/A	None	
			Other			Other	Other	
			WBO	Y N NA		WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	
			AB			AB - A, PA, S, NS	AB - Claw Trk, Scat, Carc, Oth	
			DKF			DKF - A, PA, S, NS	DKF - Claw Trk Scat Carc Oth	
			DT			DT - A, PA, S, NS	DT - Trk Scat Car Egg shell, Oth	
			Nest			Nest - A, PA, Inact	Nest - Eggs, Chicks, Oth	
			None			N/A	None	
			Other			Other	Other	
			WBO	Y N NA		WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	
			AB			AB - A, PA, S, NS	AB - Claw Trk, Scat, Carc, Oth	
			DKF			DKF - A, PA, S, NS	DKF - Claw Trk Scat Carc Oth	
			DT			DT - A, PA, S, NS	DT - Trk Scat Car Egg shell, Oth	
			Nest			Nest - A, PA, Inact	Nest - Eggs, Chicks, Oth	
			None			N/A	None	
			Other			Other	Other	

\*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., GBBSD001). See last page for nomenclature and codes.

¹Burrow Status: A = Active (occupancy is confirmed by visual detection of species or sign indicates recent use), PA = Potentially Active (species occupancy not confirmed, but sign indicates possible use), S = Suitable (no evidence of recent use by species, but burrow is suitable), NS = Not Suitable (burrow not suitable for this species), Inact = inactive nest present.

PRE-CONSTRUCTION CLEARANCE SURVEY (BURROWING OWL - WBO; BADGER - AB; KIT FOX - DKF, TORTOISE - DT, NESTING BIRD) DATA SHEET

Project: Genesis Location: CASLINE Date: JUNE 3

Page 1 of 1

GPS Unit	Surveyor(s)	GPS Unit	Surveyor(s)
SM 16	CHARLTON		

	Time	Temp (°F)	Wind (mph)	Precip.	Cloud Cover (%)
Start	5:30	74	1-2	-	52
End	8:15	87	1-4	-	22

START 0693773 End 0682935  
3721136 3725560

Potential Burrows or Nests:

Burrow or Nest ID (GPS IDENT Code*)	GPS Easting	GPS Northing	Species Present (Circle)	Burrow complex? <sup>1</sup>	Burrow Dimension H x W x D (in.)	Burrow Suitable for (Circle) and Status <sup>1</sup> (Circle):	Sign Present (Circle) WW=whitewash, Pell=Pellets, Feath=feathers, Claw=claw marks, Trk=tracks, Car=carcass, Oth=other	Description and Comments, **Note Class of any DT sign**
			WBO AB DKF DT Nest None Other	Y N NA		WBO - A, PA, S, NS AB - A, PA, S, NS DKF - A, PA, S, NS DT - A, PA, S, NS Nest - A, PA, Inact N/A Other	WBO - WW Pell Feath Trk Oth AB - Claw Trk, Scat, Carc, Oth DKF - Claw Trk Scat Carc Oth DT - Trk Scat Car Egg shell, Oth Nest - Eggs, Chicks, Oth None Other	
			WBO AB DKF DT Nest None Other	Y N NA		WBO - A, PA, S, NS AB - A, PA, S, NS DKF - A, PA, S, NS DT - A, PA, S, NS Nest - A, PA, Inact N/A Other	WBO - WW Pell Feath Trk Oth AB - Claw Trk, Scat, Carc, Oth DKF - Claw Trk Scat Carc Oth DT - Trk Scat Car Egg shell, Oth Nest - Eggs, Chicks, Oth None Other	
			WBO AB DKF DT Nest None Other	Y N NA		WBO - A, PA, S, NS AB - A, PA, S, NS DKF - A, PA, S, NS DT - A, PA, S, NS Nest - A, PA, Inact N/A Other	WBO - WW Pell Feath Trk Oth AB - Claw Trk, Scat, Carc, Oth DKF - Claw Trk Scat Carc Oth DT - Trk Scat Car Egg shell, Oth Nest - Eggs, Chicks, Oth None Other	
			WBO AB DKF DT Nest None Other	Y N NA		WBO - A, PA, S, NS AB - A, PA, S, NS DKF - A, PA, S, NS DT - A, PA, S, NS Nest - A, PA, Inact N/A Other	WBO - WW Pell Feath Trk Oth AB - Claw Trk, Scat, Carc, Oth DKF - Claw Trk Scat Carc Oth DT - Trk Scat Car Egg shell, Oth Nest - Eggs, Chicks, Oth None Other	
			WBO AB DKF DT Nest None Other	Y N NA		WBO - A, PA, S, NS AB - A, PA, S, NS DKF - A, PA, S, NS DT - A, PA, S, NS Nest - A, PA, Inact N/A Other	WBO - WW Pell Feath Trk Oth AB - Claw Trk, Scat, Carc, Oth DKF - Claw Trk Scat Carc Oth DT - Trk Scat Car Egg shell, Oth Nest - Eggs, Chicks, Oth None Other	

\*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., GBBSD001). See last page for nomenclature and codes.  
<sup>1</sup>Burrow Status: A = Active (occupancy is confirmed by visual detection of species or sign indicates recent use), PA = Potentially Active (species occupancy not confirmed, but sign indicates possible use), S = Suitable (no evidence of recent use by species, but burrow is suitable), NS = Not Suitable (burrow not suitable for this species), Inact = inactive nest present.

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PRE-CONSTRUCTION CLEARANCE SURVEY (BURROWING OWL - WBO; BADGER - AB; KIT FOX - DKF, TORTOISE - DT, NESTING BIRD) DATA SHEET

Project: Genesis Location: Access Road Date: 6/4/12 Page 1 of 1

GPS Unit	Surveyor(s)	GPS Unit	Surveyor(s)
5mi 5mbs Personal Garmin	MJR / MKE CE / EL		

	Time	Temp (°F)	Wind (mph)	Precip.	Cloud Cover (%)
Start	5:30	79	3-7	0	0
End	8:30	88	8-12	0	0

Potential Burrows or Nests:

Burrow or Nest ID (GPS IDENT Code*)	GPS Easting	GPS Northing	Species Present (Circle)	Burrow complex?¹	Burrow Dimension H x W x D (in.)	Burrow Suitable for (Circle) and Status¹ (Circle);	Sign Present (Circle) WW=whitewash, Pell=Pellets, Feath=feathers, Claw=claw marks, Trk=tracks, Car=carcass, Oth=other	Description and Comments, **Note Class of any DT sign**
G000602	0690816	372 3066	WBO	Y N NA	4" x 8" x 2" (turns left)	WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	White Wash on apron former DKF complex; inactive Old DKF scat
			AB - A, PA, S, NS			AB - Claw Trk, Scat, Carc, Oth		
			DKF - A, PA, S, NS			DKF - Claw Trk Scat Carc Oth		
			DT - A, PA, S, NS			DT - Trk Scat Car Egg shell, Oth		
			Nest - A, PA, Inact			Nest - Eggs, Chicks, Oth		
			N/A			None		
			Other			Other		
			None			None		
Other	Other							
			WBO	Y N NA		WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	
			AB - A, PA, S, NS		AB - Claw Trk, Scat, Carc, Oth			
			DKF - A, PA, S, NS		DKF - Claw Trk Scat Carc Oth			
			DT - A, PA, S, NS		DT - Trk Scat Car Egg shell, Oth			
			Nest - A, PA, Inact		Nest - Eggs, Chicks, Oth			
			N/A		None			
			Other		Other			
			None		None			
			Other	Other				
			WBO	Y N NA		WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	
			AB - A, PA, S, NS		AB - Claw Trk, Scat, Carc, Oth			
			DKF - A, PA, S, NS		DKF - Claw Trk Scat Carc Oth			
			DT - A, PA, S, NS		DT - Trk Scat Car Egg shell, Oth			
			Nest - A, PA, Inact		Nest - Eggs, Chicks, Oth			
			N/A		None			
			Other		Other			
			None		None			
			Other	Other				
			WBO	Y N NA		WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	
			AB - A, PA, S, NS		AB - Claw Trk, Scat, Carc, Oth			
			DKF - A, PA, S, NS		DKF - Claw Trk Scat Carc Oth			
			DT - A, PA, S, NS		DT - Trk Scat Car Egg shell, Oth			
			Nest - A, PA, Inact		Nest - Eggs, Chicks, Oth			
			N/A		None			
			Other		Other			
			None		None			
			Other	Other				

\*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., GBBSD001). See last page for nomenclature and codes.  
 ¹Burrow Status: A = Active (occupancy is confirmed by visual detection of species or sign indicates recent use), PA = Potentially Active (species occupancy not confirmed, but sign indicates possible use), S = Suitable (no evidence of recent use by species, but burrow is suitable), NS = Not Suitable (burrow not suitable for this species), Inact = inactive nest present.

PRE-CONSTRUCTION CLEARANCE SURVEY (BURROWING OWL - WBO; BADGER - AB; KIT FOX - DKF, TORTOISE - DT, NESTING BIRD) DATA SHEET

Project: Genesis Location: Gas Line / Access Road Date: June 5, 2012 Page 1 of 1

GPS Unit	Surveyor(s)	GPS Unit	Surveyor(s)
SM1	MIR	MA10	TME
SM1b	MKE	<del>MA10</del>	GLU

	Time	Temp (°F)	Wind (mph)	Precip.	Cloud Cover (%)
Start	5:30	77	4	0	0
End	9:00	85	5	0	0

Potential Burrows or Nests:

Burrow or Nest ID (GPS IDENT Code*)	GPS Easting	GPS Northing	Species Present (Circle)	Burrow complex? <sup>1</sup>	Burrow Dimension H x W x D (in.)	Burrow Suitable for (Circle) and Status <sup>1</sup> (Circle):	Sign Present (Circle) WW=whitewash, Pell=Pellets, Feath=feathers, Claw=claw marks, Trk=tracks, Car=carcass, Oth=other	Description and Comments, **Note Class of any DT sign**
GKBMK001	0689247	3723952	WBO	Y N NA	10'x8'x36" + turn left	WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	Five burrow complex with scat in various states of decay; some fresh
			AB - A, PA, S, NS			AB - Claw Trk, Scat, Carc, Oth		
			DKF - A, PA, S, NS			DKF - Claw Trk (Scat) Carc Oth		
			DT - A, PA, S, NS			DT - Trk Scat Car Egg shell, Oth		
			Nest - A, PA, Inact			Nest - Eggs, Chicks, Oth		
			N/A			None		
			Other			Other		
GDCTM005	0688815	3724465	WBO	Y N NA	1.5'x1.8'	WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	DT shell fragment Class 5
			AB - A, PA, S, NS			AB - Claw Trk, Scat, Carc, Oth		
			DKF - A, PA, S, NS			DKF - Claw Trk Scat Carc Oth		
			DT - A, PA, S, NS			DT - Trk Scat Car Egg shell Oth		
			Nest - A, PA, Inact			Nest - Eggs, Chicks, Oth		
			N/A			None		
			Other			Other		
GKBTM002	0688291	3725029	WBO	Y N NA	8'x7'x36" + turn right	WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	three burrow complex fresh scat
			AB - A, PA, S, NS			AB - Claw Trk, Scat, Carc, Oth		
			DKF - A, PA, S, NS			DKF - Claw (Trk) Scat Carc Oth		
			DT - A, PA, S, NS			DT - Trk Scat Car Egg shell, Oth		
			Nest - A, PA, Inact			Nest - Eggs, Chicks, Oth		
			N/A			None		
			Other			Other		
			WBO	Y N NA		WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	
			AB - A, PA, S, NS			AB - Claw Trk, Scat, Carc, Oth		
			DKF - A, PA, S, NS			DKF - Claw Trk Scat Carc Oth		
			DT - A, PA, S, NS			DT - Trk Scat Car Egg shell, Oth		
			Nest - A, PA, Inact			Nest - Eggs, Chicks, Oth		
			N/A			None		
			Other			Other		
			WBO	Y N NA		WBO - A, PA, S, NS	WBO - WW Pell Feath Trk Oth	
			AB - A, PA, S, NS			AB - Claw Trk, Scat, Carc, Oth		
			DKF - A, PA, S, NS			DKF - Claw Trk Scat Carc Oth		
			DT - A, PA, S, NS			DT - Trk Scat Car Egg shell, Oth		
			Nest - A, PA, Inact			Nest - Eggs, Chicks, Oth		
			N/A			None		
			Other			Other		

\*IDENT Code: the unique 8-digit code that identifies the individual burrow or burrow complex within the project site (e.g., GBBSD001). See last page for nomenclature and codes.  
<sup>1</sup>Burrow Status: A = Active (occupancy is confirmed by visual detection of species or sign indicates recent use), PA = Potentially Active (species occupancy not confirmed, but sign indicates possible use), S = Suitable (no evidence of recent use by species, but burrow is suitable), NS = Not Suitable (burrow not suitable for this species), Inact = inactive nest present.

## **APPENDIX B**

### **PHOTOS**



**Figure 2. Desert Kit Fox Complex (GKBTM001) with recent DKF tracks and scat.**

Date & Time: Fri Jun 1 18:38:14 PDT 2012  
Position: 41 N 688308 3725218  
Altitude: 361ft  
Azimuth/Bearing: 068° N88E 1209mils (True)  
Elevation Angle: -60.3°  
Horizon Angle: +12.5°  
Zoom: 1X  
marginal disarticulated tortoise carcass



**Figure 3. Desert tortoise bone fragment observed within 500 foot buffer.**



**Figure 4. Potential nest in palo verde, observed to be inactive.**

## **APPENDIX C**

### **PRECONSTRUCTION SURVEYS – NATURAL GAS PIPELINE PROTOCOL**

## **Genesis Solar Energy Project – Pre-construction Surveys, Natural Gas Pipeline Main Access Road**

Genesis Solar Energy Project (GSEP) proposes to begin construction of the natural gas pipeline along the existing main access road (from Wiley's Well Rest Area to the plant site). The pipeline will be installed within 35 feet of the center line of the existing paved road on the northeastern side of the road. The pipeline itself is expected to be within 3 feet of the edge of the road. Disturbance will include trenching associated with the pipeline and surface disturbance within 23 feet of the edge of the road for equipment access. The existing disturbed turnarounds on the southwestern side of the main access road as well as the previous receiving area/parking and laydown area near the guard shack will be used for receiving/laydown. Below is the proposed methodology for conducting pre-construction surveys associated with this construction activity.

**Construction Limits** – the existing blue stakes along the access road delineate the proposed disturbance area associated with the natural gas pipeline. The staked area is approximately 24 feet from the edge of the road. Turnarounds and receiving/laydown areas will be clearly marked by flagging prior to the initiation of pre-construction surveys.

The proposed construction area is within an active portion of the site associated with the main access road. All areas were previously surveyed and cleared for construction of the access road and installation of the site construction transmission line. The access road has been in continual use since construction.

### **Survey Summary**

**Desert Tortoise (DT) Clearance Surveys (BIO-9)** – No DT surveys will be conducted. The site was previously cleared. No DT, sign, or burrows have been detected in the area. The linear will be monitored during construction activity with BMs or the DB within the vicinity of the equipment. In addition, any DT, burrows, or sign detected during WBO/nesting bird surveys will be recorded. If DT are detected, the agencies will be notified to reevaluate the survey transect spacing.

**Burrowing Owl (WBO) Pre-construction Surveys (BIO-18)** – Wherever possible, WBO surveys will be conducted within seven days prior to construction so that nesting bird surveys can be conducted concurrently. In addition to the disturbance area survey, a 500 foot buffer survey will be conducted on the northeastern side of the access road and a 100 foot buffer survey will be conducted on the southwestern side of the access road. Surveys will be conducted between two hours before sunset until civil twilight and up to two hours after sunrise (10:00 am).

Surveys will be conducted by walking transects spaced sufficiently close to allow for 100% visual coverage (20 meters apart) while searching for burrowing owls, nesting birds, and potential burrows for burrowing owl, desert kit fox, American badger and desert tortoise.

**Nesting Bird Surveys (BIO-8)** – Limited nesting bird activity is expected due to high temperatures during the construction period (early June start date). Since the access road has been cleared and monitored several times per day since the start of construction, it is proposed here that two nesting bird surveys separated by ten days would not be necessary and a single nesting bird survey conducted concurrently with WBO surveys would be sufficient. The habitat has been assessed and it has been determined that potential nesting activity (other than burrowing owl) within creosote bush habitat includes ground

nesters such as lesser nighthawk. Within ironwood/palo verde habitat (which reaches only to the edge of the buffer zone), tree nesting species (such as verdin, black-tailed gnatcatcher) may be present. Existing pole structures will be searched for nests or nesting behavior.

**Desert Kit Fox/American Badger Surveys (BIO-17)** – Known kit fox den locations have been continually monitored in the vicinity of the project. Pre-construction surveys for desert kit fox and American badger will be conducted concurrently with burrowing owl/nesting bird surveys. While surveys for DKF and AB are only required to within 90 feet of the disturbance area, all observed potentially active dens will be monitored for activity. Any sign and dens will be documented (including GPS locations) and information on the status of the dens will be collected.

**Biological Monitoring** - Biological monitors will be present in all areas outside the DT exclusion fencing during vegetation salvage, grubbing, grading and other ground-disturbing activities. Since no DT exclusion fencing will be in place, a biological monitor will be present within the immediate vicinity of construction activities.

**ATTACHMENT 6**  
**CORRESPONDENCE**

Not Applicable for June Monthly Compliance Report

## **Appendix C**

### **Haz-6**

#### **Worker Environmental Awareness Program Training**

Largo 22

June 2012

Genesis Site Safety Orientation / WCAP

	Signature	Print Name	Company
1		CELSAR R. (LAGUERRE)	Largo Concrete
2		JUAN Gonzalez	LARGO CONCRETE
3		CARLOS PEREZ	LARGO concrete
4		Mark Flores	Largo concrete
5		Jason Estrada	LARGO CONCRETE
6		Francisco Carballo	Largo concrete
7		Tyler Faj	Largo Concrete
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June 2012

LAR 60

# Genesis Site Safety Orientation / WEAP

	Signature	Print Name	Company	
1		Ernesto Gutierrez	PCS	
2		Jose Gomez	Largo concret	
3		Donovan Dintella	Largo Concrete	
4		Matt Ruzic	Zo. rd	
5		Paul Williams	ST-SCO	6-5-12
6		Matt Elmer	CS&CO	6-5-12
7		Ken Masters	Largo	
8		Chris Cunningham	Largo	
9		Lorenza D. Flores	Largo Concrete	6-
10		Roger Kahlert	Largo Concret	6-11-2012
11		Roberto Carreras	Largo Concrete	6-11-2012
12		JOSE ESQUIVEL	NIMN	6-12-12 96
13		JOHN J. VINCENT	LARGO CONCRETE	6-12-12 12
14		Carl J. Hylton	Largo Concrete	6-13-12
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# SPX 48

## Genesis Site Safety Orientation / WEAP

	Signature	Print Name	Company	Date
1		Clint Jackson	SPX	6/1/12
2		George Espinosa	SPX	6/01/12
3		Eric Graham	SPX	6/4/12
4		Trent VanValkenburg	SPX	6-4-12
5		MICHAEL NDIANGBOR	SPX	6-4-12
6		Antonio Monter	SPX	6-4-12
7		JOSE LOPEZ	SPX	6-4-12
8		DAVID TARKIN	SPX	6-4-12
9		David Furr	Bragg Crane	6-4-12
10		Robert Oliver	Bragg Crane	6-4-12
11		Toby Kelly	Bragg Crane	6-4-12
12		James Mitchell	SPX	6-4-12
13		CARLOS VELAZQUEZ	SPX	6-4-12
14		Horace Purifoy	SPX	6-4-12
15		Maxim Krivshin	SPX	6-4-12
16		Dmitriy Bykov	SPX	6-4-12
17		Nelson Smith	SPX	6-4-12
18		MARIO L. GARCIA	SPX	6-4-12
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SPX

Genesis Site Safety Orientation / WEAP

	Signature	Print Name	Company	Date
1	B. Berry	BARTLEY BERRY	SPX	6-18-12
2	Guillermo Villanueva	GUILLERMO VILLANUEVA	SPX	06/18/12
3	Robert S. Esquivel	ROBERT S. ESQUIVEL	SPX	6/18/12
4	Michael Saucedo	Michael Saucedo	SPX	6/18/12
5	Kelly E. Erickson	Kelly E. Erickson	SPX	6/18/12
6	MARTO ZARCO	MARTO ZARCO	SPX	6/18/12
7	ONEY PINEDA	ONEY PINEDA	SPX	6-18-12
8	Calvin Shipley	Calvin Shipley	SPX	6-18-12
9	DARRIEL MARK	DARRIEL MARK	SPX	6-18-12
10	Dorian Urazo	Dorian Urazo	SPX	6-18-12
11	Monty J. Mix	Monty J. Mix	SPX	6-18-12
12	Robert Hernandez	Robert Hernandez	SPX	6-18-12
13	HASSAN MEDINA	HASSAN MEDINA	SPX	6-18-12
14	David Bittrager	David Bittrager	SPX	6-19-12
15	Tom Mearp	Tom Mearp	HARSCO	6-25-12
16	Joaquin Calvo	Joaquin Calvo	HARSCO	6-25-12
17	Adrian Ferguson	Adrian Ferguson	HARSCO	6-25-12
18	José A. Valencia	JOSÉ A. VALENCIA	HARSCO	6-25-12
19	Cesar Cervantes	Cesar Cervantes	HARSCO	6-25-12
20	PAUL CAMARON	PAUL CAMARON	HARSCO	6-25-12
21	ANTHONY SANTANA	ANTHONY SANTANA	SPX	6-25-12
22	Jeff Distefano	Jeff Distefano	SPX	6-25-12
23	Adam J. Whitlow	Adam J. Whitlow	SPX	6-25-12
24	NORMAN BOTKIN	NORMAN BOTKIN	SPX	6-25-12
25	Antonio Navarrete	Antonio Navarrete	SPX	6-25-12
26	JACOB ROMERO	JACOB ROMERO	SPX	6-25-12
27	MARIELA BERRÓN	MARIELA BERRÓN	SPX	6-25-12
28	William Sharpe	William Sharpe	SPX	6-25-12
29	CHRISTOPHER WELLS	CHRISTOPHER WELLS	SPX	6-25-12
30	NICHOLAS ORRIN	NICHOLAS ORRIN	SPX	6-25-12
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BPL 20

Genesis Site Safety Orientation

/WEAP

ARB Inc.

Month: JUNE

Signature	Print Name	Company	Date
1	Marty Fleming	ARB	6/4/12
2	Ucaminic Sparks	ARB	6-4-12
3	Stephen Teller	ARB	6-6-12
4	Fred H. Borowicz	ARB	6-7-12
5	SEFF M-ANDREWS	ARB	6-7-12
6	RUN WARD	LAUREN	6-12-12
7	CITOCK BEAL	ARB	6-12-12
8	GARY MANDUINA	ARB	6-18-12
9	Josh Cooper	ARB	6-18-12
10	Mehr Zarif	ARB	6-18-12
11	Jason Campbell	ARB	6-18-12
12	Andrew R. Lopez	ARB	6-25-12
13	Jonny Hayes	ARB	6-25-12
14	Jordan Martino	ARB	6-25-12
15	Blandan Hicken	ARB	6-25-12
16	ANTHONY V. HIRLER	ARB	6-25-12
17	Raul Saxequi Jr	ARB	6-25-12
18	Gustavo Bonafax	ARB	6-25-12
19	Ismael Pardo	A.R.B.	6-25-12
20	ALBERT WALDU	ARB	6-25-12
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# Workers Environmental Awareness Plan : Training Roster

## Genesis Solar Energy Project

Instructor: Rick Frazier Su Kat Const

31K

73 MA /  
5 June  
/28

Name : Print	Signature	Company Name	Date
ED PHILIPP	<i>[Signature]</i>	W.E. PHILIPP	5/30/12
TONY HINRICHS	<i>[Signature]</i>	York Trucking	5/30/12
JOE YORK	<i>[Signature]</i>	YORK TRUCKING	5/30/12
STEVE BALLENTINE	<i>[Signature]</i>	S.B. TRUCKING	5/30/12
Ronald Demarias	<i>[Signature]</i>	Demaris Trucking	5-30-12
RICHARD LUNGERA	<i>[Signature]</i>	LUNGERA & SON	5-30-12
Philip Lejuezza	<i>[Signature]</i>	MAES	5-30-12
Simon Volt	<i>[Signature]</i>	MATC	5/30/12
Ceslee Guzman	<i>[Signature]</i>	Guzman TRKng	5/30/12
Kandy LUNGERA	<i>[Signature]</i>	LUNGERA & SON	5/30/12
Joe Veschi	<i>[Signature]</i>	MAES	5-29-12
Cesar Posada	<i>[Signature]</i>	Posada Trucking	5-30-12
Artemio Cardona	<i>[Signature]</i>	VIKUS Trans	5-30-12
Aguistin Arreola	<i>[Signature]</i>	Arreola <sup>Posada</sup> TRKng	5/30/12
Gary Costin	<i>[Signature]</i>	FST	5/30/12
Juan Lopez	<i>[Signature]</i>	FST	5/30/12
Jorge Ramos	<i>[Signature]</i>	RGT	5/30/12
Candido Ferrer	<i>[Signature]</i>	Burn's & Sons	5/30/12
DONALD WILCOX	<i>[Signature]</i>	F.S.T	5-30-12
Joe	<i>[Signature]</i>	FST	5/30/12
DOUG STOBACH	<i>[Signature]</i>	FST	5/30/12
Chuck Maxwell	<i>[Signature]</i>	FST	5/30/12
Paul Cunningham	<i>[Signature]</i>	MATC	5/31/12
Clinton McKnight	<i>[Signature]</i>	L.D. Anderson	5-31-12
FRANCISCO SANDOVAL	<i>[Signature]</i>	Mil	6/1/12
Raul R Casique II (Ruiel)	<i>[Signature]</i>	Crown Texaco	6/4/12
Jose Escobar	<i>[Signature]</i>	ESCALANTE TRK	6-5-12
Julio Jimenez	<i>[Signature]</i>	Julios Trucking	6-5-12
Rodolfo Escobar	<i>[Signature]</i>	M.T.C. TRK	6-5-12

# Workers Environmental Awareness Plan : Training Roster

## Genesis Solar Energy Project

Instructor: Rick Fraser                      Sukut Const			
Name : Print	Signature	Company Name	Date
MARTIN NOBUEGA	<i>[Signature]</i>	FST	6/5/12
Juan Gallegos	<i>[Signature]</i>	FST	6-5-12
Carlos Arroyo	<i>[Signature]</i>	FST	6-5-12
Maria Perez	<i>[Signature]</i>	FST	6-5-12
LARRY MARSHALL	<i>[Signature]</i>	FST	6-5-12
Jose Cruz	<i>[Signature]</i>	FST	6-5-12
MARTIN ESPINOSA	<i>[Signature]</i>	FST	6-5-12
FEDERICO MEDINA	<i>[Signature]</i>	FST	6-5-12
KEN HUSON	<i>[Signature]</i>	FST	6-5-12
Scott W. Lehman	<i>[Signature]</i>	FST	06/05/12
Byron Ortiz	<i>[Signature]</i>	FST	06-05-12
JOHN VEIL	<i>[Signature]</i>	FST	6-5-12
CASEY LEHMAN	<i>[Signature]</i>	FST	6-5-12
MATT VILKINSON	<i>[Signature]</i>	FST	6-5-12
Pablo Dorcas Reyes	<i>[Signature]</i>	FST	6-5-12
Greg Blom	<i>[Signature]</i>		6-6-12
Ernest Ortiz	<i>[Signature]</i>	M.B.	6-6-12
EVA SIERRA	<i>[Signature]</i>	M.B.	6-6-12
W <sup>III</sup> W REYNOLDS	<i>[Signature]</i>	Hagen/M.B.	6/6/2012
Chris Shay	<i>[Signature]</i>	Hagen/M.B.	6/6/12
George Fanville	<i>[Signature]</i>	Matich. Co	6/6/12
JORGE ARSIVIGSA	<i>[Signature]</i>	Crown Fence	6/6/12
Jose manduza	<i>[Signature]</i>	Crown Fence	06/06/12
Juan Carlos Lopez	<i>[Signature]</i>	Crown fence	06/06/12
Maria S. medvil	<i>[Signature]</i>	HH & JJ	6/6/12
Rodolfo Chavez	<i>[Signature]</i>	HH & JJ	6/6/12
CHRIS. TONS	<i>[Signature]</i>	Sukut	6-7-12
David Bauer	<i>[Signature]</i>	Sukut	6-11-12
STEVEN BERN	<i>[Signature]</i>	FST	6-11-12

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# Workers Environmental Awareness Plan : Training Roster

## Genesis Solar Energy Project

Instructor:			
Name : Print	Signature	Company Name	Date
James Worrell		Best Block	6/18/12
DAVID SMART		Best Block	6-18-12
Patrick Muckols		T. Wamock	6-18-12
Ruben Canzales		Best Block	6-18-12
Ruby Bedora		Best Block	6-18-12
Rafael Contreras		T. WAMOCK	6-18-12
Abselardo Borquez		T. WAMOCK	6-18-12
Chilio Gutierrez C.		Pan Pacific P.	6-18/12
Santiago Orozco		Western Mail	06-18-12
Jace Casillas Sr		JC Materials	6/18-12
Rigoberto Muroz		R Muroz T.	6/18/12
Carlos Camacho		CONACCIO IK	6/18/12
Jose Casillas Jr		JC Materials	6/18/12
JAMES EVANS		MATCH	6-19-12
ROBERT WIDLOUS		MATCH	6-19-12
STEVEN BATES		MATCH	6-19-12
	James Krueck	MATCH	6-19-12
	JEFF EDWARDS	MATCH	6/19/12
ALAN HILT		MATCH	6/19/12
David Ortiz		MATCH	6-19/12
John Clark		MATCH	6-19-12
Marc Estrin		MATCH	6-19-12
Braul Avena		MATCH	6/19/12
Robert Martin		MATCH	6-19-12
MIKE BARBO		MATCH	6/19/12
Jimmy Vega		MATCH	06/19/12
Richard Armes		MATCH	6/19/12
Orton L. Burgess		MATCH	6/19/12
ANTHONY GANDARA		MATCH	6-19-12
CLAY CREASON		MATCH	6-19-12

# Workers Environmental Awareness Plan : Training Roster

## Genesis Solar Energy Project

Instructor:

Name : Print	Signature	Company Name	Date
Jim COURTNEY	<i>Jim Courtney</i>	MATCH	6-19-12
Dan Redmond	DAN REHKOPF	MATCH	6-19-12
Ed Mendoza	Ed Mendoza	Match	6-19-12
Mark Lindsey	<i>Mark Lindsey</i>	Match	6-19-12
Roni Rivera	<i>Roni Rivera</i>	Match	6/19/12
Marc Estrin	<i>Marc Estrin</i>	Match	6-19-12
Robert Marshok	<i>Robert Marshok</i>	MATCH	6-19-12
David Ortiz	<i>David Ortiz</i>	Match	6-19-12
Tristan Graves	Tristan Graves	Match	6-19-12
John Albough	<i>John Albough</i>	match	6-19-12
Kenneth Atherley	<i>Kenneth Atherley</i>	match	6-19-12
Ruben Rosas	<i>Ruben Rosas</i>	match	6-19-12
Marshall Daniels	<i>Marshall Daniels</i>	Match	6-19-12
Eric Grindeland	<i>Eric Grindeland</i>	match	6-19-12
Artemus Barker	<i>Artemus Barker</i>	match	6-19-12
LARRY LAMB	<i>Larry Lamb</i>	MATCH	6-19-12
Tobias Lamb	<i>Tobias Lamb</i>	match	6-19-12
George Fonville Jr	<i>George Fonville Jr</i>	match	6-19-12
Donald Fonville	<i>Donald Fonville</i>	match	6-19-12
Jose Carter	Jose Carter	MATCH	6-19-12
ANSELMO DIAZ	<i>Anselmo Diaz</i>	MATCH	6-19-12
Ripito Lamas Jr	<i>Ripito Lamas Jr</i>	Match	6-19-12
Michael Fonville	<i>Michael Fonville</i>	match	6-19-12
Hector Ramos	<i>Hector Ramos</i>	Match	6-19-12
Juan Lamas	<i>Juan Lamas</i>	Match	6-19-12
Gabriel Gonzalez	<i>Gabriel Gonzalez</i>	Match	6-19-12
Joseph Fierro	<i>Joseph Fierro</i>	match	6-19-12
JERRY BLUMP	<i>Jerry Blump</i>	match	6-20-12
HAROLD KUENBERG	<i>Harold Kuenberg</i>	CARNER	6-20-12

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# Workers Environmental Awareness Plan : Training Roster

## Genesis Solar Energy Project

Instructor: Rick Fraser		Sukut Coast	
Name : Print	Signature	Company Name	Date
C. Coff		MATCH	6-20-12
<del>John</del>		MATCH	6-20-12
<del>John</del>		MATCH	6-20-12
Michael		MATCH	6-20-12
Alex McKee	Alex McKee	MATCH	6-20-12
<del>Todd Holt</del>		MATCH	6-20-12
LAKEE EDWARDS	Lakee Edwards	MATCH	6-20-12
Edwin Estrada	Edwin Estrada	MATCH	6-20-12
RAUL RIVERA	Raul Rivera	MATCH	6-20-12
Jose Torres		MBA	6-20-12
OSCAR GARCIA	Oscar Garcia	H.M. Tractor	6-20-12
Joe Adams	Joe Adams	Adams Trucking	6-20-12
Kevin Stalker	KEVIN STALKER	WOODS	6-20-12
Joe Oliver	Joe Oliver	WOODS	6-20-12
Rick Schellen	Rick Schellen	WOODS	6-20-12
Frank Hughes	Frank Hughes	WOODS	6-20-12
Tommy Avery	Tommy Avery	Rogerwood	6-20-12
Ken Slayton	Ken Slayton	WOODS	6-20-12
Se	Se	WOODS	6-20-12
Sivola - Demehvi	Sivola - Demehvi	LLOYD WOOD	6-20-12
CURTIS SMITH	Curtis Smith	LLOYD WOOD	6-20-12
William Prudhomme	William Prudhomme	LLOYD WOOD	6-20-12
John White	John White	Kevin Mead	6-20-12
Hector Gutierrez	Hector Gutierrez	SUKUT	6-25-12
Atanacio Rocha	Atanacio Rocha	SUKUT	6-25-12
Jose A. Lobos	Jose A. Lobos	conco Pumping	6-25-12
Ruben Rocha	Ruben Rocha	SUKUT	6-25-12
Rodolfo Gonzalez	Rodolfo Gonzalez	SUKUT	6-25-12
Oscar Gutierrez	Oscar Gutierrez	SUKUT	6-25-12
Carlos J Gutierrez	Carlos J Gutierrez	SUKUT	6-25-12
James Morillo	James Morillo	SUKUT	6-25-12

**SPX - Genesis  
SPCC Training Documentation Form**

SPX		SPCC Training - Fueling		Week of: 6/11/12
PRINT	SIGN	PRINT	SIGN	
1 Robert Pratt	<i>[Signature]</i>	28		
2 Joe Ravelli	<i>[Signature]</i>	29		
3 Cesar Rios	<i>[Signature]</i>	30		
4 SHAWN WINDH	<i>[Signature]</i>	31		
5 Arturo Soto	<i>[Signature]</i>	32		
6 Crist Jackson	<i>[Signature]</i>	33		
7 Art Kaday	<i>[Signature]</i>	34		
8 Dan Day	<i>[Signature]</i>	35		
9		36		
10		37		
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## **Appendix D**

### **Civil-1**

#### **Schedule of Facility Design Submittals; Master Drawing and Master Specifications**

**PCF Genesis Submittals 6/25/12**

<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>ARCH-1-1.0 - Assembly Building Architectural Plans - PCF</b>	CBO Reference Only with Comments	Long, Keith- Trimberger, Tom
<b>Genesis Solar Energy Project - Nextera</b>	<b>ARCH-1-2.0 - HVAC Systems - PCF</b>	CBO Approved	Bartholomew, David
<b>Genesis Solar Energy Project - Nextera</b>	<b>ARCH-1-2.0X1 - HVAC Systems - PCF</b>	CBO Approved	Bartholomew, David
<b>Genesis Solar Energy Project - Nextera</b>	<b>CIVIL-1-1.0 - CIVIL ENGINEERING CRITERIA - PCF</b>	CBO Approved	York, Tina
<b>Genesis Solar Energy Project - Nextera</b>	<b>CIVIL-1-1.0X1 - CIVIL ENGINEERING CRITERIA - PCF</b>	CBO Approved	York, Tina
<b>Genesis Solar Energy Project - Nextera</b>	<b>CIVIL-1-10.0 -Solar Field 1 Site Grading Drawings - PCF</b>	CBO Approved	York, Tina
<b>Genesis Solar Energy Project - Nextera</b>	<b>CIVIL-1-10.0X1 - Solar Field 1 Site Grading Drawings - PCF</b>	CBO Approved	York, Tina

**PCF Genesis Submittals 6/25/12**

<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>CIVIL-1-10.0X2 - Solar Field 1 Site Grading Drawings- PCF</b>	CBO Approved	Bartholomew, David
<b>Genesis Solar Energy Project - Nextera</b>	<b>CIVIL-1-11.0 Solar Field 2 Site Grading Drawings - PCF</b>	CBO Approved	York, Tina
<b>Genesis Solar Energy Project - Nextera</b>	<b>CIVIL-1-11.0X1 - Solar Field 2 Site Grading Drawings - PCF</b>	CBO Approved	York, Tina
<b>Genesis Solar Energy Project - Nextera</b>	<b>CIVIL-1-11.0X2 - Solar Field 2 Site Grading Drawings - PCF</b>	CBO Approved	Bartholomew, David
<b>Genesis Solar Energy Project - Nextera</b>	<b>CIVIL-1-12.0 - Site Preparation Drawings - PCF</b>	CBO Approved	Bartholomew, David
<b>Genesis Solar Energy Project - Nextera</b>	<b>CIVIL-1-13.0 - Finish Grading Power Block Unit 1 Paving - PCF</b>	CBO Approved	Bartholomew, David
<b>Genesis Solar Energy Project - Nextera</b>	<b>CIVIL-1-14.0 - Permanent Fence - PCF</b>	CBO Approved	Ho, Alan

**PCF Genesis Submittals 6/25/12**

<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>CIVIL-1-15.0 - ARB INC DRAWINGS - NATURAL GAS LINE OFFPOLT - PCF</b>	CBO Approved	Bartholomew, David
<b>Genesis Solar Energy Project - Nextera</b>	<b>CIVIL-1-16.0 - SITE PREPARATION COMMON AREA - PCF</b>	CBO Approved	Bartholomew, David
<b>Genesis Solar Energy Project - Nextera</b>	<b>CIVIL-1-2.0 - Access Road Package - PCF</b>	CBO Approved	York, Tina
<b>Genesis Solar Energy Project - Nextera</b>	<b>CIVIL-1-2.0X1 - Access Road Package - PCF</b>	CBO Approved	York, Tina
<b>Genesis Solar Energy Project - Nextera</b>	<b>CIVIL-1-2.0x2 - Access Road Package - PCF</b>	CBO Approved	Bartholomew, David
<b>Genesis Solar Energy Project - Nextera</b>	<b>CIVIL-1-3.0 - Geotechnical Engineering Report - PCF</b>	CBO Reference Only	York, Tina
<b>Genesis Solar Energy Project - Nextera</b>	<b>CIVIL-1-3.1 - Supplemental Geotechnical Engineering Report - PCF</b>	CBO Approved	Bartholomew, David

**PCF Genesis Submittals 6/25/12**

<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>CIVIL-1-3.2 - Slope Stability Geotechnical Engineering Report - PCF</b>	CBO Approved	Bartholomew, David
<b>Genesis Solar Energy Project - Nextera</b>	<b>CIVIL-1-3.3 - Supplemental Geotechnical Engineering Report - PCF</b>	CBO Approved	Bartholomew, David
<b>Genesis Solar Energy Project - Nextera</b>	<b>CIVIL-1-4.0 - Temporary Tortoise Fence - PCF</b>	CBO Approved	York, Tina
<b>Genesis Solar Energy Project - Nextera</b>	<b>CIVIL-1-5.0 - Preliminary Site Preparation Package - PCF</b>	Superseded	Bartholomew, David
<b>Genesis Solar Energy Project - Nextera</b>	<b>CIVIL-1-500-Temporary Double Gate-PCF</b>	CBO Reference Only	Bartholomew, David
<b>Genesis Solar Energy Project - Nextera</b>	<b>CIVIL-1-6.0 - Caltrans Encroachment Package - PCF</b>	CBO Comments Issued	York, Tina
<b>Genesis Solar Energy Project - Nextera</b>	<b>CIVIL-1-6.0X1 - Caltrans Encroachment Package - PCF</b>	CBO Approved	York, Tina

**PCF Genesis Submittals 6/25/12**

<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>CIVIL-1-7.0 - GRADING AND DRAINAGE DRAWINGS - PCF</b>	CBO Reference Only	Bartholomew, David
<b>Genesis Solar Energy Project - Nextera</b>	<b>CIVIL-1-8.0 - Reports and Studies - PCF</b>	CBO Approved	Bartholomew, David
<b>Genesis Solar Energy Project - Nextera</b>	<b>CIVIL-1-9.0 - Channel Drawings and Reports - PCF</b>	CBO Approved	York, Tina
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-1.0 - Gen sets for Access Road Construction - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-1.1 - Gen sets for Access Road Construction - PCF</b>	CBO Reference Only	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-10.0 Grounding Plans - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-10.0X1 - Grounding Plans - PCF</b>	CBO Approved	Son, Cristian

**PCF Genesis Submittals 6/25/12**

<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
Genesis Solar Energy Project - Nextera	ELEC-1-10.0X2 - Grounding Plans - PCF	CBO Approved	Son, Cristian
Genesis Solar Energy Project - Nextera	ELEC-1-11.0 Electrical Specifications - PCF	CBO Approved	
Genesis Solar Energy Project - Nextera	ELEC-1-12.0 - Electrical Specifications - PCF	CBO Approved	Son, Cristian
Genesis Solar Energy Project - Nextera	ELEC-1-12.0X1 - Electrical Specification - PCF	CBO Approved	Son, Cristian
Genesis Solar Energy Project - Nextera	ELEC-1-12.0X2 - Electrical Specification - PCF	CBO Approved	Son, Cristian
Genesis Solar Energy Project - Nextera	ELEC-1-13.0 - Electrical Drawings for Assembly - PCF	CBO Approved	Son, Cristian
Genesis Solar Energy Project - Nextera	ELEC-1-13.0X1 Electrical Drawings for Assembly-PCF	CBO Reference Only	Son, Cristian

**PCF Genesis Submittals 6/25/12**

<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-14.0- 4060 V Diesel Generator-PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-15.0 - Underground Conduit Cable Drawings - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-15.0X1 - Electrical Underground Conduit Cable Drawings - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-15.0X2- Electrical Underground Drawings - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-16.0 - Electrical Grounding Drawings - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-17.0 - Electrical Cable Schedules - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-17.0X1 - Electrical Cable Schedule - PCF</b>	CBO Approved	Son, Cristian

**PCF Genesis Submittals 6/25/12**

<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-17.0X2 - Electrical Cable Schedule - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-18.0 - Electrical Distribution Board Schedule - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-18.0X1 - Electrical Distribution Board Schedule - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-18.0X2 - Electrical Distribution Board Schedule - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-19.0 - Solar Field 1 Electrical Cable Block Diagrams - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-19.0X1 - Solar Field 1 Electrical Cable Block Diagrams - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-19.0X2 - Solar Field 1 Electrical Cable Block Diagrams - PCF</b>	CBO Approved	Son, Cristian

**PCF Genesis Submittals 6/25/12**

<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-2.0 - Temporary Panel for TW2 - PCF</b>	CBO Reference Only	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-20.0 - Electrical Standard Detail Assembly Drawings - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-21.0 - Electrical Specification Isolated Phase Bus Duct - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-22.0 -12kv Temporary Power Construction Power - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-23.0 - Electrical Specifications - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-23.0X1- Electrical Specifications - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-24.0 - Electrical - Embedded Conduit Stub Out Plan- 1ST-TRB-0100 Foundation - PCF</b>	CBO Approved	Son, Cristian

**PCF Genesis Submittals 6/25/12**

<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-24.0X1 - Electrical - Embedded Conduit Stub Out Plan- 1ST-TRB-0100 Foundation - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-24.0X2 - Electrical - Embedded Conduit Stub Out Plan- 1ST-TRB-0100 Foundation - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-25.0 - Electrical Grounding Plans Power Block No. 1 - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-26.0 - Electrical Underground Plans Power Block No.1 - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-26.0x1- Electrical Underground Plans Power Block No.1 - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-27.0 - Electrical Conduit Schedule Power Block No.1 and Solar Field No.1 - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-27.0X1 - Electrical Conduit Schedule Power Block No.1 and Solar Field No.1 - PCF</b>	CBO Approved	Son, Cristian

**PCF Genesis Submittals 6/25/12**

<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-28.0 - Electrical Area Classification Plans Power Block No.1 - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-29.0 - Electrical Specification Unit Auxiliary Transformer - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-3.0 - Telephone and Communication Proposed Under Ground Conduit Route - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-30.0 - Electrical Equipment List - PCF</b>	CBO Reference	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-31.0 - Electrical Specifications - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-31.0X1 - Electrical Specifications - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-32.0 - Electrical Specifications - PCF</b>	CBO Approved	Son, Cristian

**PCF Genesis Submittals 6/25/12**

<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-33.0 - Solar Field 2 Underground Plans - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-33.0X1 - Solar Field 2 Underground Plans FIELD NO.2 - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-34.0 - Solar Field 2 ELECTRICAL CABLE SCHEDULE - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-35.0 - 230 kV Electrical Specifications - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-36.0 - Electrical Specifications - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-37.0 - 480V UPS Power Electrical Distribution Board Schedule - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-38.0 - Electrical Specification - PCF</b>	CBO Approved	Son, Cristian

**PCF Genesis Submittals 6/25/12**

<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-39.0 - Solar Field 2 Grounding Drawings - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-39.0X1 - ELECTRICAL GROUNDING PLAN - SOLAR FIELD NO. 2 - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-4.0 - 33kV Temporary Construction Power Bid Package - PCF</b>	CBO Reference Only	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-40.0 - Solar Field 2 Power Distribution Block Diagram - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-41.0 - ELECTRICAL GROUNDING PLAN - POWER BLOCK NO.2 - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-42.0 - Electrical Embedded Conduit Drawing - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-42.0 - Electrical Embedded Conduit Drawing - PCF</b>	CBO Approved	Son, Cristian

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<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-42.0X1 - Electrical Embedded Conduit Drawing - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-43.0 - Electrical Grounding Plan - Power Block No. 2 - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-44.0 - Cable Tray &amp; Aboveground Power plan - Solar Field 1 - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-46.0 - Underground Plan Power Block 2 - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-49.0 - One-Line Diagrams- Unit #1 - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-5.0 - 33kV Data Sheet and Specifications - PCF</b>	CBO Reference Only	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-500 Well 0 Generator - PCF</b>	CBO Superseded	Son, Cristian

**PCF Genesis Submittals 6/25/12**

<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-501- Temp Power To Assembly Building-PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-502-Electrical Modifications- Assembly Building- PCF</b>	CBO Reference Only	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-6.0 - Symbol and Legend - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-6.0X1 - Symbol and Legend - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-7.0 - Installation Detail and Assembly Drawings - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-7.0X1 - Installation Details and Standard Assembly Drawings - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-8.0 - ELECTRICAL SPECIFICATION - PCF</b>	CBO Approved	Son, Cristian

**PCF Genesis Submittals 6/25/12**

<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-9.0 12.47 KV Specification - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-9.0X1 - 12.47 KV Specification - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>ELEC-1-9.0X2 - Electrical Specifications - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>FAB-1-1.0 - Approved Fabricator App - Chief Buildings - PCF</b>	CBO Approved	Schoppe, Ted
<b>Genesis Solar Energy Project - Nextera</b>	<b>FAB-1-10.0 - ACI Structural Steel Fabrication for the ACC - PCF</b>	CBO Approved	Schoppe, Ted
<b>Genesis Solar Energy Project - Nextera</b>	<b>FAB-1-11.0 - Scott Metals Inc Fabricator Application - PCF</b>	CBo Approved	Schoppe, Ted
<b>Genesis Solar Energy Project - Nextera</b>	<b>FAB-1-2.0 - Cosma Fabricator Approval - PCF</b>	CBO Approved	DeKruise, Robert

**PCF Genesis Submittals 6/25/12**

Client Name	Submittal Title	Submittal Description	Lead Plan Reviewer
Genesis Solar Energy Project - Nextera	FAB-1-2.1 - Cosma Fabricator Approval - PCF	CBO Reference Only	DeKruise, Robert
Genesis Solar Energy Project - Nextera	FAB-1-3.0 - Sunset Rail Steel Fabricator - PCF	CBO Approved	Schoppe, Ted
Genesis Solar Energy Project - Nextera	FAB-1-4.0 - Cives Structural Steel Fabricator - PCF	CBO Approved	Schoppe, Ted
Genesis Solar Energy Project - Nextera	FAB-1-5.0 - UnitedSteelStructuresLimited_SPX_ACC-PCF	CBO Approved	Schoppe, Ted
Genesis Solar Energy Project - Nextera	FAB-1-6.0 - Prospect Steel Little Rock_Siemens-PCF	CBO Approved	Schoppe, Ted
Genesis Solar Energy Project - Nextera	FAB-1-7.0-NCI Building Systems Structural Steel Fabricator-PCF	CBO Approved	Trimberger, Tom
Genesis Solar Energy Project - Nextera	FAB-1-8.0-CBC Steel Buildings Empire Steel Buildings - PCF	CBO Approved	Schoppe, Ted

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<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>FAB-1-9.0-Hoffland Environmental Inc.- PCF</b>	CBO Approved	Schoppe, Ted
<b>Genesis Solar Energy Project - Nextera</b>	<b>GEN-1-1.0 - Fire Protection Design Criteria - PCF</b>	PC3-CBO Approved	Moss, Dennis
<b>Genesis Solar Energy Project - Nextera</b>	<b>GEN-1-1.0X1- Fire Protection Design Criteria - PCF</b>	CBO Approved	Moss, Dennis
<b>Genesis Solar Energy Project - Nextera</b>	<b>GEN-1-2.0 - Plot Plan and Site Plan - PCF</b>	CBO Reference Only	Bartholomew, David
<b>Genesis Solar Energy Project - Nextera</b>	<b>GEN-1-500- AMMC Temporary Fire Protection Plan for Trailer City - PCF</b>	CBO Approved	Moss, Dennis- Long, Keith
<b>Genesis Solar Energy Project - Nextera</b>	<b>GEN-2-1.0 - Master Engineering Document Report - PCF</b>	CBO Approved	Long, Keith
<b>Genesis Solar Energy Project - Nextera</b>	<b>GEN-2-1.1 - Master Engineering Document Supplement - PCF</b>	CBO Approved	Son, Cristian

**PCF Genesis Submittals 6/25/12**

<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>GEN-2-2.0 - Schedule of Facility Design Submittals - PCF</b>	CBO Reference Only	Long, Keith
<b>Genesis Solar Energy Project - Nextera</b>	<b>GEN-4-1.0 - Resident Engineer Rob Holt - PCF</b>	CBO Approved	Long, Keith
<b>Genesis Solar Energy Project - Nextera</b>	<b>GEN-5-1.0 - Registered Engineering Geologist - Ernie Bovenizer - PCF</b>	CBO Approved	York, Tina
<b>Genesis Solar Energy Project - Nextera</b>	<b>GEN-5-10.0 - Registered Electrical Engineer - Sanaa Elhosni - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>GEN-5-11.0 - Registered Civil Engineer - Bruce Eisenbise - PCF</b>	CBO Approved	York, Tina
<b>Genesis Solar Energy Project - Nextera</b>	<b>GEN-5-12.0 - Registered Solar Field Engineer - Tom Burkhart - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>GEN-5-13.0 - Registered Geotechnical Engineer - Enrique Ruitort - PCF</b>	CBO Approved	York, Tina

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Client Name	Submittal Title	Submittal Description	Lead Plan Reviewer
Genesis Solar Energy Project - Nextera	GEN-5-14.0-Registered Civil Engineer Tien Nguyen - PCF	CBO Approved	
Genesis Solar Energy Project - Nextera	GEN-5-15.0- Registered Civil and Structural Engineer Tom Hunt - PCF	CBO Approved	Long, Keith
Genesis Solar Energy Project - Nextera	GEN-5-16.0 - Resume Jovian Norag - PCF	CBO Approved	Long, Keith
Genesis Solar Energy Project - Nextera	GEN-5-17.0 - Resume Antonio Danao - PCF	CBO Approved	Long, Keith
Genesis Solar Energy Project - Nextera	GEN-5-18.0-Structural Engineer Russell Tanouye-PCF	CBO Approved	Long, Keith
Genesis Solar Energy Project - Nextera	GEN-5-19.0-Amir Tahbaz Civil Engineer - PCF	CBO Approved	Long, Keith
Genesis Solar Energy Project - Nextera	GEN-5-2.0 - Registered Civil Engineer - Gurudas Pai - PCF	CBO Approved	York, Tina

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<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>GEN-5-3.0 - Registered Civil Engineer - Sukasda Pai - PCF</b>	CBO Approved	York, Tina
<b>Genesis Solar Energy Project - Nextera</b>	<b>GEN-5-4.0 - Registered Civil Engineer - Herman Chang - PCF</b>	CBO Approved	York, Tina
<b>Genesis Solar Energy Project - Nextera</b>	<b>GEN-5-5.0 - Registered Geotechnical Engineer - Jim Thompson - PCF</b>	CBO Approved	York, Tina
<b>Genesis Solar Energy Project - Nextera</b>	<b>GEN-5-6.0 - Registered Architectural Engineer - Matt Naraghi - PCF</b>	CBO Approved	Long, Keith
<b>Genesis Solar Energy Project - Nextera</b>	<b>GEN-5-7.0 - Registered Electrical Engineer - Phil Schaffer - PCF</b>	CBO Approved	Son, Cristian
<b>Genesis Solar Energy Project - Nextera</b>	<b>GEN-5-8.0 - Registered Mechanical Engineer - Harry Keller - PCF</b>	CBO Approved	Trimberger, Tom
<b>Genesis Solar Energy Project - Nextera</b>	<b>GEN-5-9.0 - Registered Piping Engineer - Tom Quinlan - PCF</b>	CBO Approved	Bartholomew, David

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<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>GEN-6-1.0 - Special Inspector Scott Vacula PSI - PCF</b>	CBO Approved	Larios, Carlos
<b>Genesis Solar Energy Project - Nextera</b>	<b>GEN-6-2.0 - Special Inspector Akilu Estifanos - PCF</b>	CBO Approved	Long, Keith
<b>Genesis Solar Energy Project - Nextera</b>	<b>GEN-6-3.0-Wayne Brockman PSI Soil Technician Resume - PCF</b>	CBO Approved	Long, Keith
<b>Genesis Solar Energy Project - Nextera</b>	<b>GEN-6-4.0-Kenneth Crump PSI Special Inspector Resume - PCF</b>	CBO Approved	Long, Keith
<b>Genesis Solar Energy Project - Nextera</b>	<b>GEN-6-5.0 - Special Inspector Hisham Rakban - PCF</b>	CBO Approved	Long, Keith
<b>Genesis Solar Energy Project - Nextera</b>	<b>GEN-6-6.0 - Soils Technician- Robert Orta- Resume-PCF</b>	CBO Approved	Long, Keith
<b>Genesis Solar Energy Project - Nextera</b>	<b>GEN-6-7.0 - PSI Special Inspector Sean Hodges - PCF</b>	CBO Approved	Long, Keith

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<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>GEN-6-8.0 - PSI Special Inspector Jeff Dash-PCF</b>	CBO Approved	Long, Keith
<b>Genesis Solar Energy Project - Nextera</b>	<b>HAZ-5-1.0 - Construction Security Plan - PCF</b>	CBO Reference Only	Tobin, Mark
<b>Genesis Solar Energy Project - Nextera</b>	<b>MECH-1-1.0 - Piping Specification - PCF</b>	CBO Approved	Bartholomew, David
<b>Genesis Solar Energy Project - Nextera</b>	<b>MECH-1-10.0 - Genesis P and I DS for Reference Only - PCF</b>	CBO Reference Only	Trimberger, Tom
<b>Genesis Solar Energy Project - Nextera</b>	<b>MECH-1-11.0 - Genesis P and I DS for Reference Only - PCF</b>	CBO Comments	Trimberger, Tom
<b>Genesis Solar Energy Project - Nextera</b>	<b>MECH-1-12.0 - Genesis P and I DS for Reference Only - PCF</b>	CBO Reference Only	Trimberger, Tom
<b>Genesis Solar Energy Project - Nextera</b>	<b>MECH-1-13.0 - Genesis P and I DS for Reference Only - PCF</b>	CBO Approved	Bartholomew, David

**PCF Genesis Submittals 6/25/12**

<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>MECH-1-2.0 - Piping Stress Analysis - Low Pressure Feedwater Heater - PCF</b>	CBO Approved	Trimberger, Tom- Danandeh, Sid
<b>Genesis Solar Energy Project - Nextera</b>	<b>MECH-1-3.0 - Genesis P and ID - For Reference Only - PCF</b>	CBO Approved Reference Only	Bartholomew, David
<b>Genesis Solar Energy Project - Nextera</b>	<b>MECH-1-4.0 - Genesis P and ID - For Reference Only - PCF</b>	CBO Reference Only	Bartholomew, David
<b>Genesis Solar Energy Project - Nextera</b>	<b>MECH-1-501-AMMC ACC Steam Duct - PCF</b>	CBO Reference Only	Bartholomew, David
<b>Genesis Solar Energy Project - Nextera</b>	<b>MECH-1-503-Application for AMMC Pressure testing of UG Piping - PCF</b>	CBO Approved	Trimberger, Tom
<b>Genesis Solar Energy Project - Nextera</b>	<b>MECH-1-504-AMMC Application to Examination and Testing of HCE Tube Welds-PCF</b>	CBO Approved	Trimberger, Tom
<b>Genesis Solar Energy Project - Nextera</b>	<b>MECH-1-505 - Genesis PID's Legend Diagrams IFD For Reference Only - PCF</b>	CBO Reference Only	Trimberger, Tom

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<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>MECH-1-6.0 - Genesis P and I DS for Reference Only - PCF</b>	CBO Reference Only	Bartholomew, David
<b>Genesis Solar Energy Project - Nextera</b>	<b>MECH-1-7.0 - Genesis P and I DS for Reference Only - PCF</b>	CBO Reference Only	Trimberger, Tom
<b>Genesis Solar Energy Project - Nextera</b>	<b>MECH-1-8.0 - Genesis P and I D for Reference Only PCF</b>	CBO Reference Only	Trimberger, Tom
<b>Genesis Solar Energy Project - Nextera</b>	<b>MECH-1-9.0 - Genesis P and I DS for Reference Only PCF</b>	CBO Reference Only	Trimberger, Tom
<b>Genesis Solar Energy Project - Nextera</b>	<b>MECH-500-Application for AMMC Design and Construction of Process Piping - PCF</b>	CBO Approved	Trimberger, Tom
<b>Genesis Solar Energy Project - Nextera</b>	<b>MECH-501-AMMC Design and Construction of Unfired Steam Boilers - PCF</b>	CBO Approved	Bartholomew, David
<b>Genesis Solar Energy Project - Nextera</b>	<b>MECH-502-Temp Fire Water Connection For Double Wide Trailer &amp; Assembly Bldg-PCF</b>	CBO Approved	Moss, Dennis

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<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>Noise-3-1.0 - Noise Control Program - PCF</b>	CBO Reference Only	Long, Keith
<b>Genesis Solar Energy Project - Nextera</b>	<b>Soil and Water-2-1.0 - GW Leveling Monitoring and Mitigation Plan - PCF</b>	CBO Reference Only	York, Tina
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-1.0 - SENER STRUCTURAL DRAWING - PCF</b>	CBO Reference Only	Kotysan, Jerry
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-1.0X1 - SENER STRUCTURAL DRAWINGS - PCF</b>	CBO Approved	Ho, Alan
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-10.0 - Solar Field 1 Sleepers - PCF</b>	CBO Approved	Talmage, Doug
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-10.0X1 - Solar Field 1 Sleepers- PCF</b>	CBO Approved	Ho, Alan
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-10.0X2 - Solar Field 1 Sleepers - PCF</b>	CBO Approved	Rodriguez, Eric

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<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-11.00-Construction Trailer Complex Plan - PCF</b>	CBO Approved	Long, Keith- Trimberger, Tom
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-12.0 - COMMON AREA ASSEMBLY LINE BUILDING DRAWINGS - PCF</b>	CBO Approved	
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-12.0X1 - COMMON AREA ASSEMBLY LINE BUILDING DRAWINGS - PCF</b>	CBO Approved	Danandeh, Sid
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-12.0X2 - COMMON AREA ASSEMBLY LINE BUILDING DRAWINGS - PCF</b>	CBO Approved	Ho, Alan
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-13.0 - Steam Turbine Foundation - PCF</b>	CBO Approved	Ho, Alan
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-13.0X1 - Steam Turbine Foundation - PCF</b>	CBO Approved & Conditionally Approved	Ho, Alan
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-14.0 - Structural Concrete Drawings and Calculations- PCF</b>	CBO Approved	Ho, Alan

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<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-14.0X1- Structural Concrete Drawings and Calculations- PCF</b>	CBO Approved	Ho, Alan
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-14.0X2 - Structural Concrete Drawings and Calculations - PCF</b>	CBO Approved & Conditionally Approved	Ho, Alan
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-14.0X3 - Structural Concrete Drawings and Calculations- PCF</b>	CBO Approved	Rodriguez, Eric- Ho, Alan
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-15.0 - Solar Field 2 Caisson Schedule - PCF</b>	CBO Approved	Ho, Alan
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-16.0 - Solar Field 2 Foundation Location Plan - PCF</b>	CBO Approved	Ho, Alan
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-16.0X1 - Solar Field 2 Foundation Location Plan - PCF</b>	CBO Approved	Rodriguez, Eric
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-16.0X2 - Solar Field 2 Foundation Location Plan - PCF</b>	CBO Approved	Rodriguez, Eric

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<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-17.0 - Power Block Unit 1 Main Piperack Foundation Plans - PCF</b>	CBO Superseded	Ho, Alan
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-17.0X1 - Power Block Unit 1 Main Piperack Foundation Steel - PCF</b>	CBO Approved	Talmage, Doug
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-17.0X2 - Power Block Unit 1 and Unit 2 Main Piperack Steel - PCF</b>	CBO Approved	Amirazizi, Saeed
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-17.0X3 - Power Block Unit 1 and Unit 2 Main Piperack Steel - PCF</b>	CBO Approved	Amirazizi, Saeed
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-17.1 - Power Block Unit 1 Main Piperack Plan Structural Calculations - PCF</b>	CBO Superseded	Ho, Alan
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-17.2 - POWER BLOCK UNIT 1 MAIN PIPE RACK PLANS - PCF</b>	CBO Superseded	Ho, Alan
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-17.3 - Power Block unit 1 Main Piperack Foundation Steel and Calcs - PCF</b>	CBO Approved & Superseded CBO Comments	Ho, Alan

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<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-17.3X1 - Power Block unit 1 Main Piperack Foundation - PCF</b>	CBO Approved	Ho, Alan
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-18.0 - Power Block Unit 1 Water Sump Foundation and Calculation - PCF</b>	CBO Approved	Ho, Alan
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-18.0X1 - Power Block Unit 1 Water Sump Foundation and Calc - PCF</b>	CBO Approved	Ho, Alan
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-18.0X2 - Power Block Unit 1 Water Sump Foundation and Calc - PCF</b>	CBO Approved	Ho, Alan
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-18.0X3 - Power Block Unit 1 and Unit 2 Clean Water Sump Blowdown and Oily Water FDN - PCF</b>	CBO Approved	Ho, Alan
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-19.0 - Solar Field 1 Misc. Pipe Support Plans Foundation Steel Schedule and Cals - PCF</b>	CBO Approved	Ho, Alan
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-19.0X1 - Solar Field 1 Misc. Pipe Support Plans Foundation Drawings - PCF</b>	CBO Approved	Ho, Alan

**PCF Genesis Submittals 6/25/12**

<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
Genesis Solar Energy Project - Nextera	STRUC-1-2.0 - Structural Specification - PCF	CBO Approved	Talmage, Doug
Genesis Solar Energy Project - Nextera	STRUC-1-2.0X1 - Structural Specifications - PCF	CBO Approved	York, Tina
Genesis Solar Energy Project - Nextera	STRUC-1-20.0 - Economizer, Reheater, Superheater Foundation Plans Elevation and Calculations - PCF	CBO Approved	Ho, Alan
Genesis Solar Energy Project - Nextera	STRUC-1-20.0X1 - Economizer, Reheater, Superheater Foundation Plans Elevation and Calculations - PCF	CBO Approved	Ho, Alan
Genesis Solar Energy Project - Nextera	STRUC-1-20.0X2 - Economizer, Reheater, Superheater Foundation Plans Elevation and Calculations - PCF	CBO Approved	Ho, Alan
Genesis Solar Energy Project - Nextera	STRUC-1-21.0 - Power Block Unit 1 Feedwater Heater Fdn - PCF	CBO Approved	Ho, Alan
Genesis Solar Energy Project - Nextera	STRUC-1-21.0X1 - Power Block Unit 1 and Unit 2 Feedwater Heater Fdn - PCF	CBO Approved	Ho, Alan

**PCF Genesis Submittals 6/25/12**

<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-22.0 - Power Block Unit 1 Foundation Location Plan - PCF</b>	CBO Approved	Ho, Alan
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-22.0X2 - Power Block Unit 1 Foundation Location Plan - PCF</b>	CBO Approved	Ho, Alan
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-23.0 - Unit 1 Power Block Turbine Exhaust Duct Support Fnd and Calc - PCF</b>	CBO Approved	Ho, Alan
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-23.0X1 - Unit 1 Power Block Turbine Exhaust Duct Support Fnd and Calc - PCF</b>	CBO Approved	Ho, Alan
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-24.0 - Alternate Panel Support Foundations and Calcs - PCF</b>	CBO Approved	Talmage, Doug
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-25.0 - Power Block Vessels - 1HR- TK-0200 A-B-C Fdns Plans- Elevations and Calcs - PCF</b>	CBO Approved	Rodriguez, Eric
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-25.0X1-Power Block Vessel-1HR- TK-0200 A-B-C Fdns Plans-Elevations &amp; Calcs- PCF</b>	CBO Approved	Rodriguez, Eric

**PCF Genesis Submittals 6/25/12**

<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-26.0 - Solar Field 1 Bridges - PCF</b>	CBO Approved	Rodriguez, Eric
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-26.0X1- Solar Field 1 Bridges - PCF</b>	CBO Approved	Rodriguez, Eric
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-27.0 - STG East West PW, Lube Oil Enclosure and STG Area Misc Supports and Platforms - PCF</b>	CBO Approved	Talmage, Doug
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-28.0 - East West Condenser Pipeway Steel and Concrete - PCF</b>	CBO Approved	Son, Cristian- Rodriguez, Eric
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-3.0 - Concrete Solar Foundation Drawings and Structural Concrete Standard Drawings - PCF</b>	CBO Approved	Kotysan, Jerry
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-3.0X1 - Concrete Solar Foundation Drawings and Standard Structural Concrete Drawings - PCF</b>	CBO Approved	Kotysan, Jerry
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-3.1 - Concrete Solar Field Foundation Drawings - PCF</b>	CBO Approved	Kotysan, Jerry

**PCF Genesis Submittals 6/25/12**

<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
Genesis Solar Energy Project - Nextera	STRUC-1-3.2 - Concrete Solar Foundation Calculations - PCF	CBO Approved	Kotysan, Jerry
Genesis Solar Energy Project - Nextera	STRUC-1-3.2.X1 - Concrete Solar Foundation Calculations - PCF	CBO Approved	Ho, Alan
Genesis Solar Energy Project - Nextera	STRUC-1-30.0 - Solar Field 1 Electrical Supports Steel and Foundations- PCF	CBO Approved	Ho, Alan
Genesis Solar Energy Project - Nextera	STRUC-1-31.0 - Filtered/Fire Water Tank Foundation - PCF	CBO Approved	Son, Cristian- Danandeh, Sid
Genesis Solar Energy Project - Nextera	STRUC-1-31.0X1 - Filtered/Fire Water Tank Foundation - PCF	CBO Approved	Danandeh, Sid
Genesis Solar Energy Project - Nextera	STRUC-1-32.0 - Unit 2 Foundation Location Plans - PCF	CBO Approved	Danandeh, Sid
Genesis Solar Energy Project - Nextera	STRUC-1-32.0X1 - Unit 2 Foundation Location Plans - PCF	CBO Approved	Danandeh, Sid

**PCF Genesis Submittals 6/25/12**

<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-33.0- (Unit 1/2) Condensate Pump Foundations - PCF</b>	CBO Approved	Amirazizi, Saeed
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-34.0 - Solar Field 2 Concrete Pipe Sleepers - PCF</b>	CBO Approved	Amirazizi, Saeed
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-35.0 - Condenser North-South Pipeway - PCF</b>	CBO Approved	Rodriguez, Eric
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-37.0 - Solar field 2 Miscellaneous Pipe Support - PCF</b>	CBO Approved	Trimberger, Tom
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-4.0 - Lateral Force Procedures Calculation - PCF</b>	CBO Approved	Kotysan, Jerry
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-41.0- Waste Water and Treated Water Tank Foundation - PCF</b>	CBO Approved	Talmage, Doug
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-43.0 - SGS Evaporator and Steam Drum Support Structure Foundation Train 1 and 2 - PCF</b>	CBO Approved	Rodriguez, Eric

**PCF Genesis Submittals 6/25/12**

<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-44.0 - Boot Pit Foundation - PCF</b>	CBO Approved	Ho, Alan
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-47.0 - PORTABLE WATER TANK - PCF</b>	CBO Approved	Ho, Alan
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-5.0 - Structural Specifications - PCF</b>	CBO Approved	Talmage, Doug
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-500-Application for Alternate Materials and Methods of Caisson Construction - PCF</b>	Cassion Construction	
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-501-Temporary Trailer for Assembly Building-PCF</b>	CBO Superseded	Ho, Alan
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-502-Temporary Mobile Lab- PSI - PCF</b>	CBO Superseded	Block, Steven
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-503- Temporary Site Security Guardshack - PCF</b>	CBO Superseded	Block, Steven

**PCF Genesis Submittals 6/25/12**

<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-504-AMMC Structural Steel Substitute - PCF</b>	CBO Approved	Wedman, Kevin- Lee, Daniel
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-505 - Structural Observation Form - PCF</b>	CBO Reference Only	Ho, Alan
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-506-AMMC Concrete Pile Transverse Reinforcing Solar Field - PCF</b>	CBO Approved	Rodriguez, Eric
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-507-AMMC for Concrete Foundations Unit 1 and Unit 2 - PCF</b>	CBO Approved	Long, Keith
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-508-AMMC-Solar Field Misc. Pipe Supports Circular Foundation Change -PCF</b>	CBO Approved	Long, Keith
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-7.0 - Drilled Caissons Specification - PCF</b>	CBO Approved	Rodriguez, Eric
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-7.0X1- Drilled Caissons Specification - PCF</b>	CBO Approved	Rodriguez, Eric

**PCF Genesis Submittals 6/25/12**

<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-8.0 - Structural Steel Standard Drawings - PCF</b>	CBO Approved	Rodriguez, Eric
<b>Genesis Solar Energy Project - Nextera</b>	<b>STRUC-1-9.0 - Drilled Reinforced Concrete Caissons Testing - PCF</b>	CBO Approved	Rodriguez, Eric
<b>Genesis Solar Energy Project - Nextera</b>	<b>VIS-5-1.0 - Staging Area Site Plan Near TW2 Temporary Well - PCF</b>	CBO Reference Only	Long, Keith
<b>Genesis Solar Energy Project - Nextera</b>	<b>Waste-2-1.0 - Professional Geologist Pearl J Pereira - PCF</b>	CBO Approved	York, Tina
<b>Genesis Solar Energy Project - Nextera</b>	<b>Waste-4-1.0 - Waste Management Plan - PCF</b>	CBO Reference Only	Ansari, Odin
<b>Genesis Solar Energy Project - Nextera</b>	<b>Worker Safety-1-1.0 - Project Construction Safety and Health Program - PCF</b>	CBO Reference Only	Ansari, Odin
<b>Genesis Solar Energy Project - Nextera</b>	<b>Worker Safety-5-1.0 - AED Program - PCF</b>	CBO Reference Only	Ansari, Odin

**PCF Genesis Submittals 6/25/12**

<b>Client Name</b>	<b>Submittal Title</b>	<b>Submittal Description</b>	<b>Lead Plan Reviewer</b>
<b>Genesis Solar Energy Project - Nextera</b>	<b>Worker Safety-8-1.0 - Dust Control Plan - PCF</b>	CBO Reference Only	Ansari, Odin

**Appendix E**

**Cultural Monitor Reports**

**Cul-8 and Cul-13**

**Construction Monitoring Plan and Flag and Avoid**

**PAL-5**

**PRS Monitoring and Stop Work Authority**

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

**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:

99,676 man-hours to report for June 2012

370,725 hours logged for the year 2012

490,407 hours logged for job total

- The Total Job TRIR is 1.22 ending the month of June.
- The Year 2012 TRIR ending the month of June is 0.54

There were five first aid incidents reported in June:

June 6<sup>th</sup>, Whiting Turner subcontract electrician exhibited signs of heat stress. The contractor had worked approximately 3-4 hours and began to feel stress his first day in the field. The contractor was taken to the office to cool and he did not continue the same day due to nausea. The contractor returned to complete the task the following day.

June 18<sup>th</sup>, Largo subcontract employee reported back pain after standing erect and twisting to turn. The employee had guided a load of rebar into an excavation and when standing up twisted to walk away and felt pain in his back. The employee was taken to the Largo cool area to rest. ABS onsite service was called for the employee. The employee was examined and diagnosed with light muscle strain. The affected area was massaged. The employee returned to work.

June 18<sup>th</sup> SPX Iron worker was accepting steel during the erection process in Power Block Two. As the employee guided the suspended load into place, he twisted and felt pain in his back. The employee descended the structure reported the incident. After and cooling in the shade area, the employee returned to work.

June 25<sup>th</sup> Two new hired, first day of employment Largo employees reported signs of heat stress during the 7<sup>th</sup> hour of the shift between 10:30 and 11:00 am. Both employees were taken to the cool area and recovered quickly. They returned to regular duty the following day.

Contractor Health and Safety Plans were the focus for June audits with emphasis on Heat Injury and Illness Prevention Plans.

The Genesis Solar Safety Committee continues to meet weekly on Mondays.

Contract Leads continue Site Audits on a regular basis with good content, identifying areas for improvement. Contractor Management teams were requested to participate in weekly jobsite inspections.

Regular weekly meetings with Bureau Veritas Safety Consultants onsite.

Bill Alfera visited the site June 5-7

The total Safety Orientations/WEAP training for the month was 480.

Weekly Safety Topics were:

- Falls
- Trenching and Excavation
- Driving Safety
- Hand Tool Safety



**Make the RIGHT Choice**

July 2, 2012

### Ladder Safety

Injury statistics show that the use of ladders presents many hazards. Each year there are more than 164,000 emergency room treated injuries in the U.S. relating to ladders. These injuries frequently cause permanent disability.

#### Hazards

The hazards associated with ladders include:

- falls from ladders
- struck by falling ladders
- struck by materials falling from ladders
- tripping over ladders (erect or lying on floor)
- lifting heavy ladders
- striking persons or objects when carrying ladders
- contact with electrical equipment

#### Straight Ladders

- Use the right ladder for the job.
- Inspect the ladder before and after use.
- Tag and remove defective ladders for repair.
- Get help when moving heavy or long ladders.
- Make sure that your boots are safe. If they are wet or muddy, you could slip.
- Put the ladder up correctly. Follow the “4 to 1” rule: One foot back for each four feet up. When you set up the ladder, count the number of rungs up to the point where the ladder touches the wall. The bottom of the ladder must be one rung’s length out from the wall for every four rungs up the wall.
- Secure the top of the ladder, as needed.
- Near doorways, aisles or where there may be the danger of traffic post a warning sign.
- Secure the top and bottom of a ladder when using it to access a platform or scaffold.
- Face the ladder when ascending or descending.
- Maintain 3 points of contact.
- Hoist materials or attach them to a belt. Do not carry materials in your hands.
- Make sure that only one person at a time is on the ladder.
- Don’t stretch or reach beyond the side rails of a ladder. You could lose your balance.

#### Controls

Establish a program for regular use and maintenance of ladders:

- establish safe practices for the use of ladders and make sure they are followed
- inspecting for common defects such as broken rungs, split side rails, worn or broken safety feet and oil or grease
- destroying ladders that cannot be safely repaired
- prohibiting repairs which include tying or binding with wire
- prohibiting the painting of ladders, as this can hide cracks or other weak points

#### Stepladders

- Many of the rules for straight ladders apply to stepladders as well.
- Never use a step ladder as a straight ladder.
- Lock the stepladder – spread the legs to their limit and ensure the braces are locked.

#### Training

Your employee training program should include the following:

- choosing the right ladder for the job
- assessing the area where the ladder will be used, the condition of the floor or ground
- how to level
- inspecting for defects
- using ladders safely
- dangers of overreaching
- awareness of unsafe practices such as:
  - setting ladder on boxes, steps, etc.
  - climbing with wet or greasy boots
  - removing the safety feet
  - leaning the ladder against unstable support

Use the safe practices in this guideline to supplement your training.



Make the RIGHT Choice

June 11, 2012

### Trenching and Excavation Safety

Two workers are killed every month in trench collapses. The employer must provide a workplace free of recognized hazards that may cause serious injury or death. The employer must comply with the trenching and excavation requirements of 29 CFR 1926.651 and 1926.652 or comparable OSHA-approved state plan requirements. An excavation is any man-made cut, cavity, trench or depression in an earth surface formed by earth removal. Trench means a narrow excavation made below the surface of the ground. In general, the depth is greater than the width, but the width is not greater than 15 feet.

#### Dangers of Trenching and Excavation

Cave-ins pose the greatest risk and are much more likely than other excavation-related accidents to result in worker fatalities. Other potential hazards include falls, falling loads, hazardous atmospheres and incidents involving mobile equipment. One cubic yard of soil can weigh as much as a car. An unprotected trench is an early grave. Do not enter an unprotected trench five feet or more in depth.

#### Trench Safety Measures

Trenches 5 feet deep or greater require a protective system unless the excavation is made entirely in stable rock. If less than 5 feet deep, a competent person may determine that a protective system is not required. Trenches 20 feet deep or greater require that the protective system be designed by a registered professional engineer or be based on tabulated data prepared and/or approved by a registered professional engineer in accordance with 1926.652(b) and (c).

#### Competent Person

OSHA standards require that employers inspect trenches daily and as conditions change by a competent person before worker entry to ensure elimination of excavation hazards. A competent person is an individual who is capable of identifying existing and predictable hazards or working conditions that are hazardous, unsanitary or dangerous to workers, soil types and protective systems required, and who is authorized to take prompt corrective measures to eliminate these hazards and conditions.

#### Access and Egress

OSHA standards require safe access and egress to all excavations, including ladders, steps, ramps or other safe means of exit for employees working in trench excavations 4 feet or deeper. These devices must be located within 25 feet of all workers.

#### General Trenching and Excavation Rules

- Keep heavy equipment away from trench edges.
- Identify other sources that might affect trench stability.
- Keep excavated soil and other materials at least 2 feet from trench edges.
- Know where underground utilities are located before digging.
- Test for atmospheric hazards such as low oxygen, hazardous fumes and toxic gases when greater than 4 feet.
- Document inspections of trenches at the start of each shift.
- Inspect trenches following rainstorm or other water intrusion.
- Inspect trenches after any occurrence that could have changed the conditions in the trench.
- Do not work under suspended or raised loads.

#### Protective Systems

There are different types of protective systems.

**Benching** means a method of protecting workers from cave-ins by excavating the sides of an excavation to form one or a series of horizontal levels or steps, usually with vertical or near vertical surfaces between levels.

*Benching cannot be done in Type C soil.*

**Sloping** involves cutting back the trench wall at an angle inclined away from the excavation.

**Shoring** requires installing aluminum hydraulic or other types of supports to prevent soil movement and cave-ins.

**Shielding** protects workers by using trench boxes or other types of supports to prevent soil cave-ins. Designing a protective system can be complex because you must consider many factors: soil classification, depth of cut, water content of soil, changes caused by weather or climate, surcharge loads and other operations in the vicinity.

#### As-Built Drawings

Ensure that as soon as a change or addition is made in construction it is noted on the As-Built drawing and reference the RFI or other document authorizing the change. The following items should be included in the As-Built drawings:

Size, type, and location of utility lines.

Dimensions and details transferred from shop drawings.

Locations of anchors, construction and control joints. etc. in concrete, where they are different from the contract drawings.



Layout and schematic drawings of electrical circuits and piping.

Verification of alignment, cross section, and layout of earthwork.

Changes in location of equipment and architectural features.



Make the RIGHT Choice

June 18, 2012

### Safe Driving

Every day we are faced with many different situations in which there is a potential for an accident to happen, whether at home, at work or while traveling. Most accidents are easily preventable with the use of some common sense coupled with an active sense of awareness of your surroundings.

#### Site Driving Rules

- Obey posted speed limits
- Seat belts are required at all times
- Cell phone use while driving is prohibited
- No passing

#### Site Speed Limits on Paved Road

- 8 pm - 4:30 am 25 mph
- 4:31 am - 5:15 am 35 mph
- 5:16 am - 7:59 am 45 mph
- 10 mph when passing workers

#### Site Speed Limits on Dirt Access Roads

- 25 mph unless generating dust
- 10 mph when passing workers
- 10 mph around Power Block 2

#### Drowsy Driving

As a driver, your number one responsibility is to get yourself and your passengers to your destination safely. When behind the wheel, you always need to be alert and focused. At 55 mph, a vehicle travels the length of a football field in 3.7 seconds. This is no time for a "mini" snooze. Being an attentive driver, and looking out for the driver who isn't, is increasingly important. Drive focused. Stay safe.

- Drowsy driving causes more than 100,000 crashes each year, resulting in 40,000 injuries and 1,550 deaths.
- Crashes caused by drowsy driving are often serious crashes and occur most often on high-speed rural highways when the driver is alone.
- Drowsy driving can happen to anyone. A recent National Sleep Foundation study revealed that 51% of adults have driven while drowsy and 17% report having fallen asleep while driving.
- Get a full night of rest before driving.
- Stop at regular intervals when driving long distances.
- Set a realistic goal for the number of miles you can safely drive each day.
- Avoid taking medications that cause drowsiness.

#### Distracted Driving

Longer commutes, an increase in heavy traffic, the availability of in-vehicle technology are all factors that result in driver distraction. More time in your vehicle results in less time at home or on the job, causing drivers to feel the pressure to multi-task to keep up with their responsibilities. Countless distractions tempt drivers to forget that their primary responsibility is to drive focused and stay safe.

- According to The National Safety Council 28% of traffic accidents occurred while a driver was talking or sending texts on a cell phone
- While taking one's eyes off the road presents obvious risks, activities that take a driver's mind away from driving are just as risky.
- A driver's ability to manage distractions varies widely and can change from day-to-day depending on their level of stress and fatigue.
- Distracted drivers fail to recognize potential hazards in the road and react more slowly to traffic conditions, decreasing their margin of safety.

#### Impaired Driving

While driving it is important to maintain a clear head and a sharp focus. Make it a life-governing rule not to drive when you've had too much to drink. On average, a driver makes over 200 decisions per mile, so it's critical that a driver make the decision to drive alert before getting behind the wheel. Not only will you be a safer driver but you will be in a much better position to defend yourself from the driver who doesn't make that choice.

- Alcohol impaired driving accounts for about 40% of fatal crashes.
- About 3 in every 10 Americans will be involved in an alcohol-related crash at some time in their lives.
- Nearly 1.5 million people are arrested each year for driving while intoxicated.
- Driving skills, especially judgment, are impaired in most people long before they exhibit visible signs of drunkenness.
- If you're impaired, make the safe choice – ride with a designated driver, call a taxi, stay where you are or call a sober friend or family member. Making the safe choice could save your life.



## Weekly Newsletter



Make the RIGHT Choice

June 4, 2012

### Preventing Falls

Falls are the leading cause of death in the construction industry. In 2010, there were 264 fall fatalities out of 774 total fatalities in construction. These deaths could have been prevented by following three simple steps; plan, provide and train.

#### **PLAN** ahead to get the job done safely

When working from heights, such as ladders, scaffolds and roofs, employers must plan projects to ensure that the job is done safely. Begin by deciding how the job will be done, what tasks will be involved, and what safety equipment may be needed to complete each task.

When estimating the cost of a job, employers should include safety equipment, and plan to have all the necessary equipment and tools available at the construction site. For example, in a roofing job, think about all of the different fall hazards, such as holes or skylights and leading edges, then plan and select fall protection suitable to that work, such as personal fall arrest systems.

#### **PROVIDE** the right equipment

Workers who are six feet or more above lower levels are at risk for serious injury or death if they should fall. To protect these workers, employers must provide fall protection and the right equipment for the job, including the right kinds of ladders, scaffolds and safety gear.

Different ladders and scaffolds are appropriate for different jobs. Always provide workers with the kind they need to get the job done safely. For roof work, there are many ways to prevent falls. If workers use personal fall arrest systems, provide a harness for each worker who needs to tie off to the anchor. Make sure the PFAS fits, and regularly inspect all fall protection equipment to ensure it's still in good condition and safe to use.

#### **TRAIN** everyone to use the equipment safely

Falls can be prevented when workers understand proper set-up and safe use of equipment, so they need training on the specific equipment they will use to complete the job. Workers must be trained in hazard recognition, the care and safe use ladders, scaffolds, fall protection systems and other equipment they'll be using on the job.

OSHA has provided numerous materials and resources that employers can use during toolbox talks to train workers on safe practices to avoid falls in construction. Falls from ladders, scaffolds and roofs can be prevented and lives can be saved through three simple steps: Plan, Provide and Train.



Don't work around unprotected edges.



Don't use defective equipment.

**Appendix G**  
**Miscellaneous Submittals and Information**

**Genesis Daily Well Readings - Well Pads in acre feet x .001**

New meters 10/21	Serial No#: 11-07803	Serial No#: 11-07804	Serial No#: 11-07805	Serial No#: 022037 Currently not in use	<b>Sundays not worked so no meter readings</b>
	All McCalls Propeller Meter McCrometer Flow Meters			Hendley Nitro Performance	
Date	Well 0	Well 1	Well 2	Front Well Gauge (in gal)	Comments
Fri. 06/01	108346	110406	185213		
Sat. 06/02	108346	110406	185213		
Sun. 06/03	108346	110406 acre feet x .001	185213 acre feet x .001	78762 00 (out of service)	Friday reading 06/01
Mon. 06/04	109322	110884	185861		
Tues. 06/05	109526	111444	186460		
Wed. 06/06	109741	111936	187085		
Thur. 06/07	110197	112445	187598		
Fri. 06/08	110706	112971	188246		
Sat. 06/09	110706	112971	188246		
Sun. 06/10	110706	112971	188246	78762 00 (out of service)	Friday reading 06/08
Mon. 06/11	111716	113559	188944		
Tues. 06/12	112586	114106	189571		
Wed. 06/13	113424	114665	190301		
Thur. 06/14	114397	115336	190926		
Fri. 06/15	115306	115835	191659		
Sat. 06/16	115306	115835	191659		
Sun. 06/17	115306	115835	191659	78762 00 (out of service)	Friday reading 06/15
Mon. 06/18	116558	116498	192378		
Tues. 06/19	117786	117143	193075		
Wed. 06/20	119110	117803	193683		
Thur. 06/21	120543	118452	194436		
Fri. 06/22	121893	119153	195183		
Sat. 06/23	121893	119153	195183		
Sun. 06/24	121893	119153	195183	78762 00 (out of service)	Friday reading 06/22
Mon. 06/25	123109	119557	195873		
Tues. 06/26	124457	119881	196587		
Wed. 06/27	125963	120107	197249		
Thur. 06/28	127413	120416	197868		
Fri. 06/29	128893	120776	198651		
Sat. 06/30	128893	120776	198651		

---

**From:** "Veerkamp, Eric@Energy" [Eric.Veerkamp@energy.ca.gov]

**Sent:** 06/13/2012 11:34 PM GMT

**To:** Carlos Larios

**Cc:** Robert DeKruse; "Mosley, Charlyn" <Charlyn.Mosley@fpl.com>; "Gavalton, Jennifer" <Jennifer.Gavalton@fpl.com>

**Subject:** Genesis (09-AFC-8C) - Inspector resume for Perryman

Carlos,

The resume for J. Perryman has been reviewed and approved by Energy Commission staff; therefore, Mr. Perryman has CPM approval to work as an inspector on the Genesis project.

Please let me know if you have any questions. Thanks.

Eric W. Veerkamp, AICP

Compliance Project Manager

California Energy Commission

1516 9th Street, MS 2000

Sacramento, CA 95814

916-654-4611

Eric.Veerkamp@energy.ca.gov

6-4-12;  
SPCC Training -

Name	Company	Title
David Riverol	Largo Concrete	Safety Manager
Loay Hanthel	Largo Concrete	P. E.
<del>Loay Hanthel</del>	<del>Largo</del>	<del>Superintendent</del>
Jessica Auel	NextEra/Genesis	Enviro. Compliance Team
Rich Fraser	Sakut Const	H50
Dan Day	SPX	safety Advisor

06.05.12

Alex C. Ruano	ARB/BPC	Project Safety Manager
Laurens Springs	ARB/BPC	Safety Manager

SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN  
Genesis Solar, LLC  
BLYTHE, CALIFORNIA

February 2, 2012



*Prepared for:*

Genesis Solar LLC  
Blythe, California

*Prepared by:*  
C. Mosley-Crump

A handwritten signature in black ink, appearing to read "Robert Holt". The signature is written in a cursive style and is positioned above a horizontal line.

Resident Engineer

**Robert Holt**



# SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN

## Genesis Solar LLC

### BLYTHE, CALIFORNIA

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## CERTIFICATION

I hereby certify that I am familiar with the requirements of the SPCC rule (40 CFR 112), that I or my agent have examined the Genesis Solar LLC facility, that this plan has been prepared in accordance with good engineering practice including consideration of applicable industry standards and with the requirements of the SPCC rule, that procedures for required inspections and testing have been established, and that this plan is adequate for the facility.

  
\_\_\_\_\_  
Signature

02/08/12  
\_\_\_\_\_  
Date

Registration No. C27943 State CA



## MANAGEMENT APPROVAL

Genesis Solar, LLC is committed to the prevention of discharges of oil to navigable water and the environment, and will commit to provide the manpower, equipment and materials required to fully implement this plan and expeditiously control and remove any quantity of oil discharged that may be harmful.

---

Ron Johnson  
Genesis Solar Project Director



## **1.0 FACILITY OWNER AND CONTACT INFORMATION**

### **1.1 Owner Information**

The project is owned by Genesis Solar, LLC, Owner/Operator, 11995 Wiley's Well Road, Blythe, California 92225.

### **1.2 Facility Identification**

Name: Genesis Solar LLC

Facility Location: The Genesis Solar LLC is located in Blythe, Section 10, T6S, R19 E, in Riverside County. The site is located approximately 6.0 miles north of the Interstate 10 Freeway.

County: Riverside County

State: California

Mailing Address: 11995 Wiley's Well Road  
Blythe, CA 92225

Operator of Facility: NextEra Energy Operating Services, Inc.

Telephone: Site phones are not in service at this time

Name and Address  
Of Person to Whom  
Correspondence  
Should be Sent: Mr. Ron Johnson  
Genesis Solar Project Director  
700 Universe Blvd  
Juno Beach, FL 33408

Name of Person  
Within Management  
Who Can Fully  
Execute the Plan: Mr. Ron Johnson, Genesis Solar Project Director

### **1.3 Facility Contacts**

#### **Primary Contact**

Name: Mr. Ron Johnson  
Title: Genesis Solar Project Director  
Mailing Address: 700 Universe Blvd.  
Juno Beach, FL 3408  
Telephone (work): 561-304-5239  
Telephone (pager/cell): 561-385-0170

**Alternate Contact**

Name: Brandon Denne  
Title: Construction Manager  
Mailing Address: 11995 Wiley's Well Road  
Blythe, CA 92225

Telephone (work)  
Telephone (pager/cell): 320-290-9381

## 2.0 INTRODUCTION

### 2.1 Oil Pollution Prevention Regulations

To prevent spills and minimize pollution, the Clean Water Act authorized the enactment of oil pollution prevention regulations. For nontransportation-related facilities, the U.S. Environmental Protection Agency (EPA) developed oil pollution prevention regulations under Title 40, Code of Federal Regulations (CFR), Part 112. Under 40 CFR 112 (the SPCC Rule), these regulations apply to nontransportation-related facilities that:

- Could reasonably be expected to discharge oil or petroleum based products (hereafter referred to as oil) into or upon the navigable waters of the United States; and
- Have total aboveground oil storage capacity of over 1,320 gallons of oil or total underground storage capacity of over 42,000 gallons.

Any facility meeting these criteria is required to comply with 40 CFR 112 by implementing certain spill prevention measures at the facility and by preparing a Spill Prevention, Control and Countermeasures (SPCC) plan for the facility that documents the implementation of these required spill prevention measures.

By federal law a facility could be exempt from SPCC requirements when located far from navigable waters. However, the State of California, under the California Aboveground Petroleum Storage Act (California Health and Safety Code, Chapter 6.67, Section 25270 et al), also requires an SPCC plan to be prepared in accordance with 40 CFR 112 for facilities with oil storage tanks installed above ground water.

Major elements of SPCC requirements as outlined in 40 CFR 112 include: bulk storage volume and location of oil or petroleum containing products, the prediction of spill locations, secondary containment provided in the event of a spill, and details about security, safety, training, inspections, and spill response.

This plan conforms with all SPCC guidelines and includes updates from the latest regulatory changes to 40 CFR Part 112 – Oil Pollution Prevention and Response; Non-Transportation-Related Onshore and Offshore Facilities; Final Rule, effective August 16, 2002.

### 2.2 SPCC Rule Cross Reference

The SPCC Rule requires cross-referencing of the required components contained in the plan to the updated requirements within 40 CFR 112 where the SPCC Plan does not follow the newly reorganized sequence of sections. Table 1 on the following page lists the sections of the Final SPCC Rule where the text of this plan is affected, the applicable section in this SPCC Plan, and the topics covered by those sections.

**Table 1**

<b>Final SPCC Rule</b>	<b>SPCC Plan Section or Page Number</b>	<b>Contents</b>
112.1	Section 2.1	Scope and Applicability of SPCC Rule
112.3(d)	Certification Page (pg. iii)	Certification of Professional Engineer
112.4(a)	Section 9.3	Notification of Significant Discharge
112.5	Section 9.0	Review Requirements
112.7, 112.7(a)	Section 2.0	General Requirements
112.7(b)	Sections 5.0 and 6.0	Fault Analysis
112.7(c)	Section 5.0	Secondary Containment
112.7(d)	Section 8.0	Contingency Planning
112.7(e)	Section 7.0	Inspections, Tests, and Records
112.7(f)	Section 7.4	Training
112.7(g)	Section 7.2	Security
112.7(h)	Section 5.3	Loading/Unloading
112.7(i)	Section 7.1.1	Brittle Fracture Evaluation
112.7(j)	Section 2.0	State Requirements
112.8, 112.12	Section 2.0	Requirements for Onshore Facilities.
112.8(b), 112.12(b)	Section 6.0	Drainage
112.8(c), 112.12(c)	Section 4.2	Bulk Storage
112.8(d), 112.12(d)	Section 5.2	Facility Transfer Operations

### 3.0 *SITE DESCRIPTION*

#### 3.1 *Facility Operations*

Genesis Solar, LLC is currently completing construction of a 250 Megawatt Solar Generated power plant located 6 miles north of Interstate 10 and approximately 17 miles west of the City of Blythe, Riverside County, California (see Figure 1).

#### 3.2 *Facility Description*

The Genesis Solar Energy Project will consist of two independent concentrated solar electric generating facilities with a nominal net electrical output of 125 megawatts (MW) each, for a total net electrical output of 250 MW.

The Project power block and solar arrays will occupy approximately 1,360 acres. Additionally, the final facility will include evaporation ponds, administration buildings and other support facilities, a land treatment unit (LTU), site access road and project generation tie line for a total of 1,800 acres.

The major components of the Project include:

- Solar Steam Generator (SSG) heat exchangers
- Two Steam Turbine Generators (STGs) and condenser
- Two dry-cooled cooling towers
- Two natural gas-fired auxiliary boilers
- Steam-fed Heat Transfer Fluid (HTF) freeze protection heat exchangers
- HTF surge volume tanks
- Two firewater pumps and pump house with associated diesel fuel tank
- Emergency diesel generators
- Two raw water storage tanks
- Two treated water storage tanks
- Two demineralized water storage tanks
- Ancillary equipment

**Fuel will be dispensed from storage tanks into construction equipment and vehicles. Fuel storage tanks will be portable, skid-mounted; UL approved aboveground horizontal cylindrical steel design and placed in steel secondary containment pans or double-walled tanks.**

#### 3.3 *Site Hydrogeology*

The Site is located within the Colorado River Basin within the Chuckwalla Valley Drainage Basin. There are no perennial streams in the Chuckwalla Valley. Chuckwalla Valley is an internally drained basin, and all surface water flows to Palen Dry Lake in the western portion of the valley and Ford Dry Lake in the eastern portion of the valley. The Genesis site is located in a hydrologically isolated basin that drains into Ford Dry Lake.

Groundwater in the area is contained within the Colorado River Hydrologic Region which is subdivided into 28 groundwater basins, one of which is the Chuckwalla Valley Groundwater Basin. Ground water levels in the area fluctuate seasonally. The average depth to ground water beneath the subject site is approximately 89 feet below ground surface (bgs). However, where perched aquifers are present (near Palen

Dry Lake in the western portion of Chuckwalla Valley Groundwater Basin, depth to ground water may be as shallow as 6 to 7 feet bgs. The average thickness of the regional aquifer in the site vicinity is 300 feet.

### *3.3.1 Beneficial Ground Water Uses*

Groundwater provides the only available water resource in the Chuckwalla Valley. Designated and potential beneficial uses of groundwater in the basin include:

- a. Domestic Supply
- b. Municipal Supply
- c. Industrial Supply
- d. Agricultural Supply

### *3.3.2 Site Ground Water Use*

Local ground water is used as a water supply for the Genesis Solar LLC Project. The source of all water will be from three (3) installed on-site ground water production wells. These wells are equipped with pumps submerged at a depth of approximately 300 bgs for Well 0, 1365 bgs for Well 1 and 300 bgs for Well 2. They are built to convey approximately 800 gallons per minute (GPM) each. Well 0 is screened from 882 feet bgs – 1251 feet bgs, with a total depth of 1251 feet bgs. Well 1 is screened from 930 – 1360 feet bgs with a total depth of 1360 feet bgs, and PW-2 is screened from 770 - 1120 feet bgs and has a total depth of 1120 feet bgs. The current static ground water level is approximately 89 feet bgs. Based on an average specific capacity of 50 GPM per foot, each well is expected to be capable of producing 800 GPM with a draw-down of approximately 50 feet.

Ground water must be treated prior to use, for super heated steam supply to the steam turbine, in the site process.

### *3.4 Site Surface Hydrology and Storm Water Runoff*

The Site is not within the immediate vicinity of any surface water bodies. The nearest significant surface water body is the Colorado River located approximately 25 miles due east. Storm water discharge from the project site is not regulated under the statewide Amended General Industrial Activities Storm Water Permit, per the California Regional Water Quality Board. The Genesis Solar LLC Project utilizes BMPs as the primary means of controlling erosion at the site.

### *3.5 Site Geology*

The project site is located in the Mohave Desert geomorphic province. The site lies on a broad, relatively flat southwest sloping surface underlain by alluvial deposits from the Palen Mountains to the north and McCoy Mountains to the east.

No active or potentially active faults are known to exist in the area. The nearest active fault is the southern segment of the San Andreas Fault, located about 60 miles southwest of the project area near the Salton Sea. The potentially active Blythe Graben Fault is located approximately 20 miles east of the site.

### *3.6 Site Topography*

The Site is relatively flat sloping gently to the southwest. The natural elevation ranges from 330 to 360 feet above mean sea level. Much of the site has been graded for construction activities.

The annual precipitation in the Site area is approximately 3.6 inches and the average temperature is 73.6 degrees Fahrenheit. The evaporation rate is approximately 90 inches annually.

### *3.7 Land Uses*

Land uses at and surrounding the facility consist of open desert, scattered former grazing areas, a vehicle rest area and two state prisons.

#### 4.0 OIL USE AND STORAGE

4.1 For the purpose of construction activities and material storage required for the project, the following Table describes the storage and use of each product.

#### 4.2 Identification of Oil Products

Table 2 lists oil products used at the Site with bulk storage volumes, use, and storage area (discussed in Section 4.2). Each storage location is shown on Figure 4.

TABLE 2 STORAGE AND USE OF OIL PRODUCTS					
Tank ID	Oil Products	Volume (Gallons)	Secondary Containment Type & Volume	Use	Storage/Use Area
T-1	Diesel	25,000 gallons		Refueling of equipment used on site during construction.	East of Power block 1, north of the proposed Evap pond.
T-2	Diesel	2,000 gallons		Contractor re fueling	East of Power block 1, north of the proposed Evap pond.
T-3	Diesel	2,000 gallons		Diesel generator	Water supply to contractors for construction
T-4	Hydraulic Oil	1,000 gallons		Equipment repairs/PM's during construction.	East of Power Block 1, north of the proposed Evap pond.
T-5	Gear Oil	1,000 gallons		Equipment repairs/PM's during construction.	East of Power Block 1, north of the proposed Evap pond.
T-6	Crank Case Oil	1,000 gallons		Equipment repairs/PM's during construction.	East of Power Block 1, north of the proposed Evap pond.
T-7	Grease	120 lbs.		Equipment repairs/PM's during construction	East of Power Block 1, north of the proposed Evap pond.
T-8	Waste Oil	1000 gallons		Waste oil from repairs and PM work	East of Power Block 1, north of the proposed Evap pond.
T-9	Diesel	1,000 gallons		Refuel equipment	East of Power Block 1, north of the proposed Evap pond.

## Oil Use and Storage

All oil products are stored and used adjacent to the planned power block area during the construction of the Genesis Solar facility. This plan will be modified and changed as equipment and storage limits change.

### Throughput Analysis

Since the Genesis Solar LLC Project is a new facility, there has been no opportunity to develop an operational history regarding fuel oil throughput.

#### 4.2.2 Lubricating Oil

Three (3) 1,000 gallon oil tanks will be used for machinery lubrication and construction equipment; a 1,000-gallon hydraulic oil tank, a 1,000 gallon gear oil tank, and a 1,000 gallon crank case oil tank. The oil from the three tanks is transferred to bearings, gears, and other moving parts in the equipment used on site during construction. All the oil storage tanks are located above ground and constructed of double walled metal.

#### 4.2.3 Used Oil

A 1,000 gallon used oil tank will be used to house the used oil from the repairs and PM's of the serviced equipment on site. This tank will be used during the construction of the plant only.

### 4.3 *Prevention Measure*

The Genesis Solar facility employs the following prevention and containment measures to reduce the likelihood of a release of diesel or oil from any of the bulk storage or non-bulk storage containers located on the site during construction. These bullet items are discussed in further detail throughout this plan.

- Impervious metal secondary containment will be brought on site and used as secondary containment for the bulk diesel storage tanks.
- Regular inspection procedures have been instituted to detect problems before they cause an oil spill incident.
- A supply of basic oil spill response equipment is stored at each contractor site for immediate response and spill control.
- Contractor personnel have been trained to use standard procedures developed by the contractor during tanker truck offloading operations. Tanker fuel haulers are required to have DOT training and hold a certification on their driver's licenses. Contract Coordinators will verify certification prior to off loading.
- The contractor will ensure that the tank truck unloading processes meet the minimum requirements and regulations established by the Department of Transportation (DOT).
- Security personnel have been contracted to limit access to the construction site. Only authorized personnel are allowed access to the site during construction.

## 5.0 SPILL PREDICTION AND CONTAINMENT

The SPCC Rule requires the identification of locations and scenarios for potential spills and spill containment measures including secondary containment provided at the facility.

Potential spill areas at the Site include all storage areas discussed in Section 4.2. The spill potential and secondary containment in each area will be discussed in detail in Section 5.1 below. A discussion of the spill potential during transfer of oil through piping and valves at the site is covered in Section 5.2. Facility truck loading/unloading procedures are discussed in Section 5.3.

### 5.1 Spill Prediction and Containment in Storage Areas

The Genesis construction site consists of fuel tanks, oil filled electrical and lube oil containers which create a potential for the release of oil. Releases can occur from ruptures, corrosion, or leakage of tanks, containers and transformers. To address potential releases, Figure 3 depicts the drainage features of the facility and indicates potential flow paths if oil were to be released assuming there are no secondary containment or diversionary structures in place to contain oil. Release predictions for the construction equipment containing oil are provided in Table 1 below.

Table 1

EQUIPMENT TYPE	PETROLEUM	CAPACITY GALLONS	SECONDARY CONTAINMENT STRUCTURE & VOLUME
Mounted Transformers	Mineral	425 gallons	Covered by the Alternative Discharge Contingency Plan for Oil-Filled Equipment.
1000 Gallons	Used oil, & hydraulic fluids	1000 gallons	Double lined tank with metal encased containment shell.
30,000 Gallon Aboveground Storage Tank(s)	Diesel	(3) 10,000 gallons	Double lined tank with metal encased containment shell.
3000 Gallons Oil product	(1000 gallons) Hydraulic oil, (1000gallons) Gear oil, (1000 gallons) Lube oil	3000 gallons	Double lined tank with metal encased containment shell.

Note: This is for construction only. This table will be modified for operational status once the plant is commissioned.

The secondary containment will equal or exceed the volume of the largest tank within the containment, in addition to the volume of precipitation from a 25-year, 24-hour storm event if the containment area is exposed to precipitation. The secondary containment structure provided must be constructed of a material that is sufficiently impervious to contain the spilled oil.

A 25-year, 24-hour storm for the Blythe area is approximately 2.95 inches. For this analysis a precipitation value of 2.95 inches (0.249 feet) was used to ensure an extra margin of safety. The containment calculations for oil storage are given in Appendix A.

### 5.1.1 *Lubrication Oil, Hydraulic Oil and Gear Oil*

The three lubrication oil tanks are provided with separate secondary containment areas. The tanks are installed on metal structures with metal walls that are 4 feet high. The metal is of seam welded construction and is sufficiently impervious to contain spilled lubrication oil. A rupture in one of the tanks would result in a worst-case spill of 1,000 gallons. The secondary containment provided for each of these tanks is over 1,000 gallons. In the event of a rupture, leak, or spill in one of the tanks, the lubrication oil would be completely contained within the secondary containment provided. Precipitation is included in the containment calculations.

### 5.1.2. Hazardous Waste Storage Area

The hazardous waste storage area is provided with secondary containment in the event of a spill or leak in the tank. The tank is installed on a metal structure with metal walls that are 4 feet high. The metal is of seam welded construction and is sufficiently impervious to contain spilled lubrication oil. A rupture in one of the tanks would result in a worst-case spill of 1,000 gallons. Precipitation is included in the containment calculations.

### 5.2 *Facility Transfer Operations*

Facility transfer operations consist of the delivery or circulation of oil through piping to and from a storage tank to supply various machinery or processes. A rupture or leak in the piping will result in a spill that, if not contained, may cause contamination of ground water, storm water runoff, or other surface waters. A spill could also occur from leaking or malfunctioning equipment associated with the transfer of oil including valve or pump leaks.

All of the piping carrying oil at the site is aboveground that could be damaged by impact or punctured inadvertently. Piping is located in highly visible areas where leaks would be easily spotted during regular inspections conducted by contractor personnel. All aboveground piping is above the metal enclosure where spills would be seen, easily cleaned up, and would drain to the containment if not detected immediately.

### 5.3 *Tank Loading and Unloading Procedures*

The SPCC Rule requires containment at the site for tank loading and unloading with capacity equal to the largest tank compartment in the delivering vehicle. Lubrication oil and hydraulic oil tanks will be refueled utilizing truck unloading. During transfer of the product, the contractor will utilize a pump from the supply truck to the oil tank via a vacuum and discharge system. An automatic remote shut off device will be used for emergency purposes if a spill condition should arise.

The contractor tank truck loading procedures at the Genesis Solar facility meet the minimum requirements and regulations established by the Department of Transportation (DOT). Oil transfer operations occur through aboveground unloading hoses. The hoses are supported and designed to minimize abrasion during transfer operations.

To prevent vehicles from departing before disconnection of flexible or fixed oil transfer lines, spill prevention techniques provide for fixed fueling at fuel station:

- The setting up of barriers or warning signs to prevent a truck from leaving before the completion of unloading.

- Placing wheel chocks on truck tires to prevent vehicle movement during unloading.
- Closely inspecting lowermost drain & all outlets for discharges
- Ensuring truck drains/outlets are tightened, adjusted or replaced as needed

Measures taken while wet fueling equipment in the field (e.g. cranes, welding units, temporary fixed generators, and equipment too large to safely enter the fueling station):

- Spill kits will be used to prevent spills and drips. Pans, diapers and swaddles will be used while wet fueling.

Measures taken to prevent spills prior to, during, and after unloading include:

- **Prior to unloading:** Oil levels are verified, connections are rechecked, and hoses are examined for integrity. Signs are posted warning all vehicular traffic operating in transfer area to use caution.
- **During unloading:** Only trained personnel authorized to conduct the transfer are used. The transfer and pumping system is continually monitored for leaks and the oil level in the receiving container is frequently monitored to prevent overfilling.
- **After unloading:** The transfer hose is properly drained and disconnected and all tank truck drains and connections are checked for proper closure prior to departure.

## **6.0 SITE DRAINAGE**

### **6.1 Site Grading**

As construction on the site has not been completed and grading continues, the Genesis Solar facility reserves the right to modify this SPCC plan as the construction activities on the site continue.

### **6.2 Drainage from Uncontained Areas**

The SPCC Rule requires a discussion of drainage from uncontained areas. Uncontained areas include all areas of the site, outside and inside of buildings, except secondary containment areas. Presently the site has no known uncontained areas. The Genesis Solar facility reserves the right to modify this plan as activities on site change throughout the construction of the solar facility.

### **6.3 Security**

The objective of the plant's security system is to prevent unknowing entry, minimize the possibility of unauthorized entry to the facility, maximize the personal protection of employees operating the facility and prevent the accidental spill of any oil. Security provisions at this facility include:

- Security personnel have been contracted to meet safety and security requirements.
- During working hours, a security guard is present at the entrance to the facility.
- Adequate night lighting and security personnel are provided to permit surveillance of the facility to deter vandalism and aid in the discovery of a discharge.
- Authorized visitors are allowed access into the plant through the front gate only and generally allowed access to work sites only after they provide identification, affiliation, and approval of the person(s) to be seen before being allowed to enter.

## **7.0 Compliance, Reporting, and Records**

### **7.1 Responsibility for SPCC Plan**

The SPCC Rule requires that one person be primarily responsible for spill prevention at the facility. At the Genesis Solar facility the primary responsibility belongs to Ron Johnson, the Genesis Solar Project Director.

### **7.2 Personnel, Training, and Spill Prevention Procedures**

Spill prevention is a component in contractor training at the Genesis Solar facility. Contractors must demonstrate training of their employees in the proper operation of processes at the facility, of which spill prevention is a factor. In addition to formal training, contractors must demonstrate training in the operation of equipment related to their specific responsibilities. This training serves to prevent spills from occurring during operations, as the contractors will be less likely to make a mistake that would cause a release of oil.

### 7.3 *Spill History*

There is no history of spills at the Genesis Solar site as the facilities are currently under construction. In the event of a spill, records will be maintained at the site for three years from the time of the incident.

Spill reporting records include the date, amount spilled, amount recovered and cause of spills that have occurred. Spills are recorded regardless of reportable quantity, i.e., there is no lower volume limit below which spills are not recorded. Spill history records are maintained in the compliance file.

### 7.4 *Facility Response Plan*

Facilities governed under The SPCC Rule are required to perform a screening to determine if a Facility Response Plan should be developed. Screening values are compared to the facility's location in relation to different water bodies, total volume of oil storage capacity, spill history, and containment capabilities. A Facility Response Plan must be prepared for those facilities that exceed any of the screening levels established.

The Genesis Solar facility was below all screening levels. Therefore, a Facility Response Plan is not required for this Site.

## 8.0 SPILL CONTINGENCY PLANNING

Spill notification, response, and reporting procedures are in place in the event of a spill at the site. Spill kits and reporting requirements have been given to the contractor to ensure spills are actively and responsibly handled.

### 8.1 *Material Safety Data Sheets*

Material Safety Data Sheets (MSDSs) are required to be kept at the Site for all chemicals including oil products used or stored at the facility. The MSDSs include information on handling and storage, accidental release measures, and hazards identification.

### 8.2 *Spill Response Procedures*

Proper actions must be taken in the event of a spill or release of oil products to:

- Prevent or minimize the spill from reaching waterways.
- Control the source of the spill.
- Make proper notifications internally as well as to external agencies.
- Conduct appropriate cleanup actions.
- Obtain the necessary information to allow post-incident evaluation.

In the event of a spill, the internal notification procedures and responsibilities are as described generally below. A sample spill reporting form is included in Appendix A.

#### During Normal Business Hours

1. Any person detecting a chemical release or spill shall immediately contact the Contract Coordinator of the affected unit. Contract personnel will isolate and/or control the spill or leak if it is safe to do so. The Contract Coordinator shall notify the Project Director.

2. If the situation is an emergency, the Contract Coordinator shall initiate an emergency response to the local Fire Department and County HazMat Department. If the situation is immediately dangerous to human life or health the Contract Coordinator shall also call 911.
3. Within 24 hours of the spill/release, the Project Director shall ensure completion of the Spill Report and Accident/Incident Report Forms, and forward the forms to the Compliance Manager. Spill Reporting Forms are located in the compliance file.
4. Perform normal spill leak cleanup activities under the direction of the Construction Manager in coordination with the Project Director immediately after the spill/leak has been stopped and reported.

#### After Normal Business Hours

1. Any person detecting a chemical release or spill shall immediately contact the Project Construction Manager. The Project Manager shall notify the Project Director and provide the following information:
  - Exact location of spill/leak.
  - Types of fluid spilled/leaked and any soil contamination.
  - Estimated quantity of fluid spilled/leaked.
  - Current condition of spill/leak.
  - Clean-up action taken, if any.
2. If the situation is an emergency, the Contract Coordinator shall initiate the emergency response.
3. The Project Manager is responsible for the completion of the Spill Report and Accident/Incident Report forms.
4. Perform normal spill leak cleanup activities under the direction of the Project Manager immediately after the spill/leak has been stopped and reported.

#### **8.3 Spill Cleanup and Disposal**

The Genesis Solar facility is stocked with basic cleanup and spill control equipment. Cleanup materials are kept in each work area as well as near each of the three lubrication oil tanks to facilitate access by emergency response personnel. Contract personnel restock the spill kits as necessary.

All spilled oil, sorbent materials used to soak up spilled oil, oil contaminated soil, and affected PPE shall be placed in 55-gallon drums for disposal at an appropriate facility. Samples of oil impacted soil may be obtained and analyzed in a laboratory to determine appropriate disposal locations. Portions of the waste management apply to diesel and spilled oil at the site. Appendix B should be referenced in the event of a spill that requires cleanup and disposal.

**Should a spill occur that can not be handled by contractor or site personnel, efforts will be made to stop the spill from spreading as much as possible until assistance arrive.**

#### **9.0 Notification of Regulatory Agencies**

Should a spill occur that cannot be controlled and contained onsite, resulting in a spill to the environment, several agencies are to be notified of the spill. The Project Manager is responsible to perform these notifications. Following list of the agencies to be notified:

National Response Center	(800) 424-8802 (For spills that threaten or enter navigable waters)
State Office of Emergency Services	(800) 852-7550
Fire Department	(800) 992-4494

Information contained in the internal Spill Report Form shall be used to report a spill to the above regulatory agencies. Also, spills reported to regulatory agencies shall be documented in a telephone call summary report or similar documentation.

***SPCC PLAN REVIEW AND AMENDMENT PROCEDURES***

This SPCC Plan is effective for a period of five years from its certification. The plan must be reviewed by the owner or operator and amended as necessary at least every five years. The review will assess the ability of this SPCC plan to provide adequate spill prevention and response at the facility to satisfy current conditions, available technology, and regulations. A signature page documenting review events is located in Appendix I.

The SPCC Plan must be amended within six months of the review under the following circumstances:

- There has been a change in the facility that affects the facility’s potential for discharge of oil.
- A more effective prevention and control technology is available since the last review.
- A spill of over a threshold volume has occurred at the facility that prompts changes mandated by the Regional Administrator.

A Registered Professional Engineer (PE) must certify any technical amendment to the SPCC plan. Non-technical changes (phone number, contact names, etc.) do not require a PE certification. Appendix C contains any amendments and PE certifications, if required, that do not require a complete revision of this plan.

***9.1 Facility Change***

The SPCC Plan must be amended whenever there is a change in the facility design, construction, operation, or maintenance that would affect the facility’s potential for a discharge as defined by 112.1(b).

***9.2 Technology Change***

The SPCC Plan must be amended to include more effective prevention and control technology if: (a) such technology will significantly reduce the likelihood of a discharge as described in 112.1(b) from the facility, and (b) if such technology has been field-proven at the time of the review.

***9.3 Spill Occurrence***

An amendment to the SPCC plan may be required when a facility experiences discharges (as defined in 112.1(b)) classified by either of the following:

- A discharge of more than 1,000 gallons of oil in a single spill event.
- Discharges of oil over 42 U.S. gallons in two spill events within any twelve-month period.

When one of these situations occurs, the facility owner or operator must submit items of information to the Regional Administrator of the EPA. Upon review of this information, the Regional Administrator may require the facility owner or operator to amend the SPCC plan if the current plan is determined to be deficient.

## FIGURES

**APPENDIX**

**A**

**SECONDARY CONTAINMENT CALCULATIONS**

**Total volume + (2.95 inches x 4 feet) + 20% = Containment Volume**





**CERTIFICATION OF THE APPLICABILITY OF  
THE SUBSTANTIAL HARM CRITERIA**

Facility Name: Genesis Solar, LLC  
Facility Addresses: 11195 Wiley Wells Road  
Blythe, CA 92225

1. Does the facility transfer oil over water to or from vessels and does the facility have a total oil storage capacity greater than or equal to 42,000 gallons? **No**
2. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and does the facility lack secondary containment that is sufficiently large to contain the capacity of the largest above ground oil storage tank plus sufficient freeboard to allow for precipitation within any aboveground oil storage tank area? **No**
3. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance (as calculated using the appropriate formula in Attachment C-III to this appendix or a comparable formula<sup>(1)</sup>) such that a discharge from the facility could cause injury to fish and wildlife and sensitive environments? For further description of fish and wildlife and sensitive environments, see Appendices I, II, and III to DOC/NOAA's "Guidance for Facility and Vessel Response Plans: Fish and Wildlife and Sensitive Environments" and the applicable Area Contingency Plan. **No**
4. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance (as calculated using the appropriate formula in Attachment C-III to this appendix or a comparable formula) such that a discharge from the facility would shut down a public drinking water intake? **No**
5. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and has the facility experience a reportable oil spill in an amount greater than or equal to 10,000 gallons within the last 5 years? **No**

**Certification**

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

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Ron Johnson

\_\_\_\_\_  
Project Director

\_\_\_\_\_  
Date



**APPENDIX E**  
**WASTE MANAGEMENT**  
**REVIEW APPROVAL**

I hereby certify that I have completed review and evaluation of the Waste Management Plan for the Genesis Solar, LLC Project:

\_\_\_\_\_  
Review Date

\_\_\_\_\_  
Reviewed By (Print)

\_\_\_\_\_  
Title of Reviewer

\_\_\_\_\_  
Reviewed By (Signature)

\_\_\_\_\_  
Amendments Required?

\_\_\_\_\_  
Amendment Type (Administrative or Technical)

\_\_\_\_\_  
Location of Amendments (Entire Plan, Appendix, etc.)

## REVIEW APPROVAL

I hereby certify that I have completed review and evaluation of the SPCC Plan for the Genesis Solar, LLC Project:

\_\_\_\_\_  
Review Date

\_\_\_\_\_  
Reviewed By (Print)

\_\_\_\_\_  
Title of Reviewer

\_\_\_\_\_  
Reviewed By (Signature)

\_\_\_\_\_  
Amendments Required?

\_\_\_\_\_  
Amendment Type (Administrative or Technical)

\_\_\_\_\_  
Location of Amendments (Entire Plan, Appendix, etc.)



# Genesis Daily Site Report

June 1, 2012

**Safety:** No Accident or Injury.

**Safety Topic of the Week:** "Recognizing and Avoiding Pinch Points"

**Weather Conditions:** Sunny, Temp – High 116; S winds at 17 mph

**Site Compliance:** No issues to report.

## Items completed and working:

1. Site Preparation (K008): Plant access road soil cement completed today. Road aggregate base in preparation for paving continued. Finish grade in preparation for riprap continued in Unit 2.
2. Largo (K013): Unit 1 – No work. Unit 2 – Laid out sleepers in Unit 2. Night work is scheduled to start in one week.
3. Blythe Power Constructors (K100): BPC continued SCE installation and alignment in Solar Field 2 Block 1. Material receiving is ongoing.
4. Sukut (K010): Dust control on the main access road.
5. Newtron (K014): Fiber and Ethernet installation ring 3 field 2. Ground grid power block 2. Placed concrete main road crossings.
6. Largo (K015): Unit 1 – Poured STG Mat this morning. Unit 2 – No work. Night work is scheduled to start in one week.
7. Blythe Power Constructors (K011): Solar Field 1 Common Trench backfill continued.
8. SPX Technologies (K057): Worked on structure installing deck plate bracing and structural bracing. Sorted out deck plate and prepped for install. Built out 1160 crawler crane.
9. Whiting Turner (K067 – Buildings): Electrical Building 2 steel installations continue. Administration Building layout for UG work for Monday continued.
10. Trailer City – Tested and certified the fire pump for the office complex.



Power Block 2

**Personnel on Site:**

Genesis Team	24
NAM	11
SWCA	2
Sukut (K010)	4
Sukut (K008)	42
PSI Testing (K007)	3
Terracon	1
AECOM	17
Guardsmark (K005)	5
Largo (K013)	3
Largo (K015)	10
BPC (K100)	41
BPC (K011)	5
BATZ	0
Sener	4
Newtron	20
Holt Group	2
SPX Technologies (K057)	41
Whiting Turner (K067)	10
<b>Total</b>	<b>245</b>

# Genesis Daily Site Report

June 4, 2012

**Safety:** No Accident or Injury. Safety Committee meeting today.

**Safety Topic of the Week:** "Preventing Falls"

**Weather Conditions:** Sunny, Temp – High 103; S winds at 13 mph

**Site Compliance:** No issues to report.

## Items completed and working:

1. Site Preparation (K008): Aggregate base installations at the access road continued. Riprap deliveries and placement continued in Channel A of Unit 1. Finish grade of the channels in Unit 2 continued in preparation for soil cement.
2. Largo (K013): Unit 1 – Continued layout, drilling, and pouring caissons in Block 4. Forming and pouring sleepers in Block 5/6. Unit 2 – Continued excavating sleepers on the South side of Block 1 started forming loop supports on the North side of Block 1.
3. Blythe Power Constructors (K100): BPC continued SCE installation and alignment in Solar Field 2 Block 1. Material receiving is ongoing.
4. Sukut (K010): Dust control on the main access road.
5. Newtron (K014): Fiber and Ethernet installation ring 3 field 2. Ground grid power block 2. Placed concrete main road crossings.
6. Largo (K015): Unit 1 – Started marking layout for the STG block. Unit 2 – Stripping templates & block-outs in the STG foundation. Tying rebar, forming and installing stainless steel water stop in the HTF Drain Pit. Stripped forms and reformed the remaining 3 HTF Overflow Vessel walls. Common Area – Over excavated and re-compacting for the last two tanks in common area.
7. Blythe Power Constructors (K011): Solar Field 1 Common Trench backfill continued. Fire Water pipe excavation and installation continued in Unit 2.
8. SPX Technologies (K057): Worked on structure installing deck plate bracing and structural bracing. Sorted out deck plate and prepped for install.
9. Whiting Turner (K067 – Buildings): Administration Building underground continued. Electrical Building 2 steel siding installation continues.



Power Block 2 HTF Drain Pit

**Personnel on Site:**

Genesis Team	24
NAM	11
SWCA	2
Sukut (K010)	4
Sukut (K008)	42
PSI Testing (K007)	4
Terracon	1
AECOM	17
Guardsmark (K005)	5
Largo (K013)	88
Largo (K015)	45
BPC (K100)	41
BPC (K011)	36
BATZ	0
Sener	4
Newtron	20
Holt Group	2
SPX Technologies (K057)	41
Whiting Turner (K067)	21
<b>Total</b>	<b>408</b>

# Genesis Daily Site Report

June 5, 2012

**Safety:** No Accident or Injury.

**Safety Topic of the Week:** "Preventing Falls"

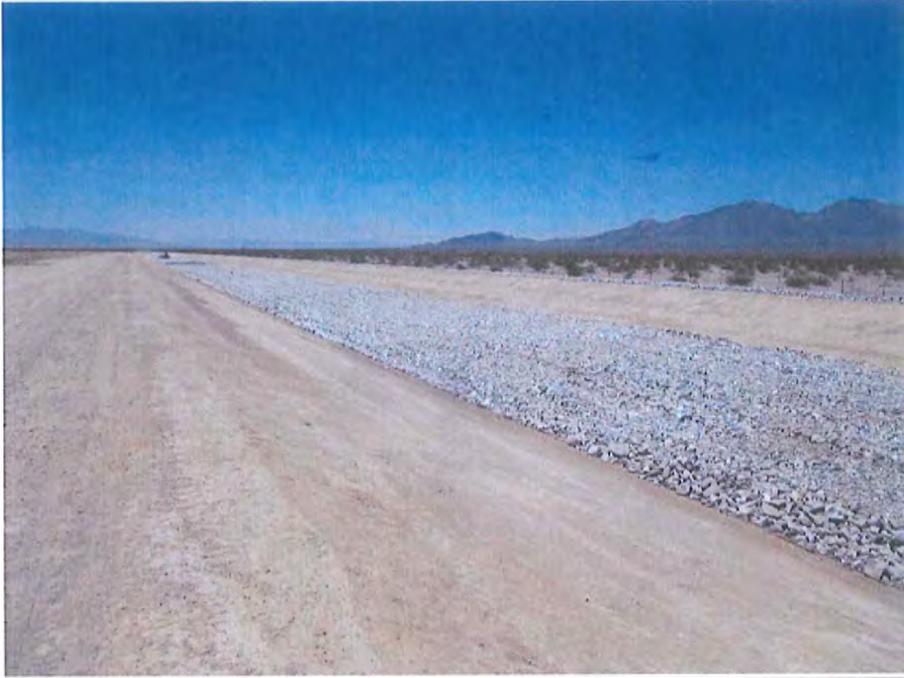
**Weather Conditions:** Sunny, Temp – High 98; SW winds at 18 mph

**Site Compliance:** No issues to report.

## Items completed and working:

1. Site Preparation (K008): Aggregate base installations at the access road continued. Riprap deliveries and placement continued in Channel A of Unit 1. Finish grade of the channels in Unit 2 continued in preparation for soil cement.
2. Largo (K013): Unit 1 – Continued layout, drilling, and pouring caissons in Block 4. Forming and pouring sleepers in Block 5/6. Unit 2 – Continued excavating sleepers on the South side of Block 1, Continued forming loop supports and poured the first few on the North side of Block 1.
3. Blythe Power Constructors (K100): BPC continued SCE installation and alignment in Solar Field 2 Block 1. Material receiving is ongoing.
4. Sukut (K010): Dust control on the main access road.
5. Newtron (K014): Ring 4 SF2- Excavation, ground wire installation. Ring 3 SF2- power, grounding, fiber optic, Ethernet wire/cable installation. Ring 7 SF2- ground grid and rods installation. U/G Electrical duct ring 2 to ring 7 installations. Power block 2 ground grid, wells, ground rods installation support foundations
6. Largo (K015): Unit 1 – Installed interior rebar columns and wall reinforcing for the STG block. Unit 2 – Stripping templates & cleaning up in the STG foundation. Tying rebar, forming and installing stainless steel water stop in the HTF Drain Pit. Formed the remaining 3 HTF Overflow Vessel walls. Common Area – Recompacting soil for the last two tanks in the common area.
7. Blythe Power Constructors (K011): Solar Field 1 Common Trench backfill continued. Fire Water pipe excavation and installation continued in Unit 2.
8. SPX Technologies (K057): Unloaded containers from trucks and sent back empty containers. Preassembled A frames. Prepped fan deck plate for assembly and impacted structural bolts.

9. Whiting Turner (K067 – Buildings): Administration Building underground continued. Electrical Building 2 steel siding installation continues.



Channel A-Rip Rap Install

**Personnel on Site:**

Genesis Team	24
NAM	11
SWCA	2
Sukut (K010)	4
Sukut (K008)	38
PSI Testing (K007)	4
Terracon	1
AECOM	17
Guardsmark (K005)	5
Largo (K013)	99
Largo (K015)	37
BPC (K100)	41
BPC (K011)	42
BATZ	0
Sener	4
Newtron	20
Holt Group	2
SPX Technologies (K057)	41
Whiting Turner (K067)	17
<b>Total</b>	<b>409</b>

# Genesis Daily Site Report

June 6, 2012

**Safety:** No Accident or Injury. Bill Alfera Next Era Safety Manager onsite for site inspections.

**Safety Topic of the Week:** "Preventing Falls"

**Weather Conditions:** Sunny, Temp – High 99; N winds at 7 mph

**Site Compliance:** No issues to report.

## Items completed and working:

1. Site Preparation (K008): Aggregate base installations at the access road continued. Riprap deliveries and placement continued in Channel A of Unit 1. Finish grade of the channels in Unit 2 continued in preparation for soil cement.
2. Largo (K013): Unit 1 – Continued layout, drilling, and pouring caissons in Block 4. Forming and pouring sleepers in Block 5/6. Unit 2 – Continued excavating sleepers on the South side of Block 1, Continued forming and pouring loop supports on the North side of Block 1. Reestablished control points in Block 2.
3. Blythe Power Constructors (K100): BPC continued SCE installation and alignment in Solar Field 2 Block 1. Material receiving is ongoing.
4. Sukut (K010): Dust control on the main access road. Two exploratory trenches were completed in Unit 1.
5. Newtron (K014): Continue with ground cable installation ring 3. Continue Excavation, cable/Wire installation Ring 4. Installing 2 U/G raceway duct ring 2 and ring 7. Installing ground grid Power Block 2. Receiving Wire and Cable ( mostly fiber optic )
6. Largo (K015): Unit 1 – Installing rebar for the STG block. Unit 2 – Stripping templates & cleaning up in the STG foundation. Tying rebar in the economizers & northern piperacks. Poured the 3HTF Drain Pit slabs and poured the remaining 3 HTF Overflow Vessel walls. Common Area – Recompacting soil for the last two tanks in the common area.
7. Blythe Power Constructors (K011): Solar Field 1 Common Trench backfill continued. Fire Water pipe excavation and installation continued in Unit 2.

8. SPX Technologies (K057): Unload containers from trucks and sent back empty containers and unloaded CCM from containers. Built bell housing and screen and prepped for install. Worked on bolt up and worked on impact of structure. Prepped fan deck for install.
9. Whiting Turner (K067 – Buildings): Administration Building underground continued. Electrical Building 2 steel siding installation continues.



HTF Drain Pit Slab Pours in Power Block 2

**Personnel on Site:**

Genesis Team	24
NAM	10
SWCA	2
Sukut (K010)	4
Sukut (K008)	38
PSI Testing (K007)	4
Terracon	1
AECOM	19
Guardsmark (K005)	5
Largo (K013)	99
Largo (K015)	37
BPC (K100)	41
BPC (K011)	42
BATZ	0
Sener	4
Newtron	20
Holt Group	2
SPX Technologies (K057)	41
Whiting Turner (K067)	17
<b>Total</b>	<b>410</b>

# Genesis Daily Site Report

June 7, 2012

**Safety:** No Accident or Injury. Bill Alfera Next Era Safety Manager and Tom Turransky BV Safety onsite for site inspections.

**Safety Topic of the Week:** "Preventing Falls"

**Weather Conditions:** Sunny, Temp – High 101; S winds at 7 mph

**Site Compliance:** No issues to report.

## Items completed and working:

1. Site Preparation (K008): Aggregate base installations at the access road continued. Riprap deliveries and placement continued in Channel A of Unit 1. Finish grade of the channels in Unit 2 continued in preparation for soil cement.
2. Largo (K013): Unit 1 – Completed layout and continued drilling & pouring caissons in Block 4. Forming and pouring sleepers in Block 5/6. Unit 2 – Continued excavating sleepers on the South side of Block 1, Continued forming and pouring loop supports on the North side of Block 1. Finished reestablishment of control points in Block 2.
3. Blythe Power Constructors (K100): BPC continued SCE installation and alignment in Solar Field 2 Block 1. Material receiving is ongoing.
4. Sukut (K010): Dust control on the main access road. Exploratory trenches 8 & 9 were completed in Unit 1.
5. Newtron (K014): Unit 2 - Continue with ground cable installation ring 3. Continue Excavation, cable/Wire installation Ring 4. Installing U/G duct road crossing between ring 2 and ring 7. Installing ground grid Power Block 2. Cable and wire testing in ring 7.
6. Largo (K015): Unit 1 – Installing rebar for the STG block. Unit 2 –Tying rebar in the SGS & northern piperacks. Stripping forms from the 3 HTF Drain Pit slabs and the last 3 HTF Overflow Vessel walls.
7. Blythe Power Constructors (K011): Solar Field 1 Common Trench backfill continued. Fire Water pipe excavation, installation, & backfill continued in Unit 2.

8. SPX Technologies (K057): Received and unloaded material. Built bell housing & screens as well as prebuilding A frames and prepped for install. Worked on bolt up and worked on impact of structure. Prepped fan deck for install.
9. Whiting Turner (K067 – Buildings): Administration Building underground continued. Electrical Building 2 steel siding installation continues.



Electrical building in Power Block 2



Foundation Activities in Power Block 2

**Personnel on Site:**

Genesis Team	24
NAM	10
SWCA	2
Sukut (K010)	4
Sukut (K008)	38
PSI Testing (K007)	4
Terracon	1
AECOM	19
Guardsmark (K005)	5
Largo (K013)	99
Largo (K015)	37
BPC (K100)	41
BPC (K011)	42
BATZ	0
Sener	4
Newtron	20
Holt Group	2
SPX Technologies (K057)	60
Whiting Turner (K067)	17
<b>Total</b>	<b>429</b>

# Genesis Daily Site Report

June 8, 2012

**Safety:** No Accident or Injury.

**Safety Topic of the Week:** "Preventing Falls"

**Weather Conditions:** Sunny, Temp – High 103; S winds at 10-15 mph

**Site Compliance:** No issues to report.

## **Items completed and working:**

1. Site Preparation (K008): Aggregate base installations at the access road continued. Riprap deliveries and placement continued in Channel A of Unit 1. Finish grade of the channels in Unit 2 continued in preparation for soil cement.
2. Largo (K013): Layout was in Unit 2 block 2.
3. Blythe Power Constructors (K100): BPC continued SCE installation and alignment in Solar Field 2 Block 1. Material receiving is ongoing.
4. Sukut (K010): Dust control on the main access road. Exploratory trenches were completed in Unit 1.
5. Newtron (K014): Unit 2 – Installing perimeter ground grid & Continue Excavation, cable/Wire installation Ring 4. Poured slurry for U/G duct road crossing between ring 2 and ring 7. Installing ground grid Power Block 2.
6. Largo (K015): No work today.
7. Blythe Power Constructors (K011): Fire Water pipe installation & backfill continued in Unit 2.
8. SPX Technologies (K057): Received and unloaded material. Built bell housing & screens as well as prebuilding A frames and prepped for install. Installed first bell house.
9. Whiting Turner (K067 – Buildings): Administration Building underground continued. Electrical Building 2 steel siding installation continues.



Installed SCE's in Unit 2 Block 1

**Personnel on Site:**

Genesis Team	21
NAM	10
SWCA	2
Sukut (K010)	4
Sukut (K008)	38
PSI Testing (K007)	4
Terracon	1
AECOM	19
Guardsmark (K005)	5
Largo (K013)	5
Largo (K015)	0
BPC (K100)	41
BPC (K011)	12
BATZ	0
Sener	4
Newtron	20
Holt Group	2
SPX Technologies (K057)	60
Whiting Turner (K067)	17
<b>Total</b>	<b>265</b>

# Genesis Daily Site Report

June 11, 2012

**Safety:** No Accident or Injury.

**Safety Topic of the Week:** "Trenching and Excavation Safety"

**Weather Conditions:** Sunny, Temp – High 103; S winds at 10-15 mph

**Site Compliance:** No issues to report.

## Items completed and working:

1. Site Preparation (K008): Riprap deliveries and placement continued in Channel A of Unit 1. Finish grade of the channels in Unit 2 continued in preparation for soil cement.
2. Largo (K013): Unit 1 – Continued drilling & pouring caissons in Block 4. Forming and pouring sleepers in Block 5/6. Unit 2 – Continued excavating sleepers on the South side of Block 1, Continued forming and pouring loop supports on the North side of Block 1 and Block 6. Started layout on the West end of Block 2.
3. Blythe Power Constructors (K100): BPC continued SCE installation and alignment in Solar Field 2 Block 1. Material receiving is ongoing.
4. Sukut (K010): Dust control on the main access road and material receiving activities continued.
5. Newtron (K014): Unit 2 – Installing perimeter ground grid & Continue Excavation, cable/Wire installation Ring 4. Installing ground grid Power Block 2.
6. Largo (K015): Unit 1 – None. Unit 2 –Tying rebar and poured concrete in the SGS & northern piperacks. Started backfill on the HTF Overflow Vessel. Expansion joint filler was installed in the HTF Drain Pit.
7. Blythe Power Constructors (K011): Fire Water pipe installation & excavation continued in Unit 2.
8. SPX Technologies (K057): Received and unloaded material. Built bell housing & screens as well as prebuilding A frames and prepped for install.
9. Whiting Turner (K067 – Buildings): Administration Building underground continued. Electrical Building 2 steel siding installation continues.
10. ARB (K027): Mobilized crews and equipment to site.



Power Block 2 ACC

**Personnel on Site:**

Genesis Team	21
NAM	10
SWCA	3
Sukut (K010)	6
Sukut (K008)	38
PSI Testing (K007)	4
Terracon	1
AECOM	21
Guardsmark (K005)	5
Largo (K013)	99
Largo (K015)	37
BPC (K100)	41
BPC (K011)	41
BATZ	0
Sener	4
Newtron	20
Holt Group	2
SPX Technologies (K057)	60
Whiting Turner (K067)	17
ARB(K027)	3
<b>Total</b>	<b>433</b>

# Genesis Daily Site Report

June 12, 2012

**Safety:** No Accident or Injury.

**Safety Topic of the Week:** "Trenching and Excavation Safety"

**Weather Conditions:** Sunny, Temp – High 108; S winds at 15 mph

**Site Compliance:** No issues to report.

## Items completed and working:

1. Site Preparation (K008): Riprap deliveries and placement continued in Channel C of Unit 1. Finish grade of the channels in Unit 2 continued in preparation for soil cement.
2. Largo (K013): Unit 1 – Continued drilling & pouring caissons in Block 4. Forming and pouring sleepers in Block 5/6. Unit 2 – Continued excavating sleepers on the South side of Block 1, Continued forming and pouring loop supports on the North & South sides of Block 1 and Block 6. Continued layout on the West end of Block 2.
3. Blythe Power Constructors (K100): BPC continued SCE installation and alignment in Solar Field 2 Block 1. Material receiving is ongoing.
4. Sukut (K010): Dust control on the main access road and material receiving activities continued.
5. Newtron (K014): Ring 4 Solar field #2 Continue installing power, grounding, Ethernet cabling Ring 3 Solar field #2 Ground grid loop, terminate ring ground circuits, back fill/compaction Power block #2 Ground grid, rods, wells installation support foundations. Installing main ground grid and whips for 230kv pole line installation. Receiving and testing wire and cable deliveries
6. Largo (K015): Unit 1 – None. Unit 2 –Tying rebar and poured concrete in the SGS. Continued backfill on the HTF Overflow Vessel. Rebar installation in the HTF Drain Pit resumed.
7. Blythe Power Constructors (K011): Fire Water pipe installation & excavation continued in Unit 2.
8. SPX Technologies (K057): Received and unloaded material. Built bell housing & screens as well as prebuilding A frames and prepped for install.
9. Whiting Turner (K067 – Buildings): Administration Building underground and footing excavation continued, and the cable pit was poured. Electrical Building 2 steel installations completed with Electrical Building 1 commencing tomorrow.
10. ARB (K027): Began civil prep work for Gas Line installation.



Power Block 2

**Personnel on Site:**

Genesis Team	21
NAM	10
SWCA	3
Sukut (K010)	6
Sukut (K008)	38
PSI Testing (K007)	4
Terracon	1
AECOM	21
Guardsmark (K005)	5
Largo (K013)	109
Largo (K015)	46
BPC (K100)	41
BPC (K011)	41
BATZ	0
Sener	4
Newtron	20
Holt Group	2
SPX Technologies (K057)	60
Whiting Turner (K067)	17
ARB(K027)	4
<b>Total</b>	<b>453</b>

# Genesis Daily Site Report

June 13, 2012

**Safety:** No Accident or Injury. B.V. Safety onsite today. Areas for improvement identified around two foundation crews working proximate in Power Block 2.

**Safety Topic of the Week:** "Trenching and Excavation Safety"

**Weather Conditions:** Sunny, Temp – High 110; S winds at 15 mph

**Site Compliance:** No issues to report.

## Items completed and working:

1. Site Preparation (K008): Riprap deliveries and placement continued in Channel C of Unit 1. Finish grade of the channels in Unit 2 continued in preparation for soil cement.
2. Largo (K013): Unit 1 – Completed drilling caissons this morning in Block 4 and transported rigs to Unit 2 Block 2. Continued pouring caissons in Block 4 (should be complete on Monday). Forming and pouring sleepers in Block 5/6. Unit 2 – Excavating sleepers on the South side of Block 1, Continued forming and pouring loop supports on the South sides of Block 1 and Block 6 (North sides are complete). Started drilling and continued layout on the West end of Block 2. Received a load of bolts and ongoing rebar cage deliveries.
3. Blythe Power Constructors (K100): BPC continued SCE installation and alignment in Solar Field 2 Block 1. Material receiving is ongoing.
4. Sukut (K010): Dust control on the main access road and material receiving activities continued.
5. Newtron (K014): Continued installing power, Ethernet and grounding cable in Ring #4 in Solar field #2, also; ground grid whips to 230 Kv power poles solar field #2 interface, ground grid installation in power block #2 continues, supporting foundation installation and Electronic building. Backfilling and compaction work in ring #3.
6. Largo (K015): Unit 1 – None. Unit 2 –Tying rebar and forming the SGS walls. Backfilling around the HTF Overflow Vessels. Rebar installation in the HTF Drain Pit continued.
7. Blythe Power Constructors (K011): Fire Water pipe installation & excavation continued in Unit 2.
8. SPX Technologies (K057): Prebuilt A frames and sheeting on divider wall. Prebuilt fan bell housing. Prebuilt motor bridges and prepped for welding stools in place. Unloaded TED system from trucks. Installed fan deck and continued impacting structure.

9. Whiting Turner (K067 – Buildings): Administration Building underground and footing excavation continued. Electrical Building 1 steel installation commenced. Electrical Building 2 interior rough in continues.

10. ARB (K027): Continued civil prep work for Gas Line installation.



SGS Train 1 Foundations with ACC Steel erection in the background

**Personnel on Site:**

Genesis Team	21
NAM	10
SWCA	3
Sukut (K010)	6
Sukut (K008)	38
PSI Testing (K007)	4
Terracon	1
AECOM	21
Guardsmark (K005)	5
Largo (K013)	109
Largo (K015)	46
BPC (K100)	41
BPC (K011)	41
BATZ	0
Sener	4
Newtron	20
Holt Group	2
SPX Technologies (K057)	60
Whiting Turner (K067)	17
ARB(K027)	4
<b>Total</b>	<b>453</b>

# Genesis Daily Site Report

June 14, 2012

**Safety:** No Accident or Injury.

**Safety Topic of the Week:** "Trenching and Excavation Safety"

**Weather Conditions:** Sunny, Temp – High 104; SW winds at 13 mph

**Site Compliance:** No issues to report.

## **Items completed and working:**

1. Site Preparation (K008): Riprap deliveries and placement continued in Channel C and D. Channel BC and D apron/cut-off wall excavation and reinforcement continued.
2. Largo (K013): Unit 1 – Pouring caissons in Block 4 (should be complete on Monday). Forming and pouring sleepers in Block 5/6. Unit 2 – Excavating sleepers on the South side of Block 1, continued forming and pouring loop supports on the South sides of Block 1 and Block 6. Drilling and continued layout on the West end of Block 2.
3. Blythe Power Constructors (K100): BPC continued SCE installation and alignment in Solar Field 2 Block 1. Material receiving is ongoing.
4. Sukut (K010): Dust control on the main access road and material receiving activities continued.
5. Newtron (K014): Continued wire and cable installation in Solar field 2 rings 3,4 also continue ground grid installation power block 2, Started excavation and ground grid installation solar field 1 ring 4. Offloaded remainder of hand hole and man holes for field installation.
6. Largo (K015): Unit 1 – Tying rebar for the STG Block. Unit 2 –Tying rebar and forming the SGS walls. Backfilling around the HTF Overflow Vessels. Rebar installation in the HTF Drain Pit continued. Poured Economizer walls.
7. Blythe Power Constructors (K011): Fire Water pipe installation & excavation continued in Unit 2.
8. SPX Technologies (K057): Prebuilt A frames and sheeting on divider wall. Prebuilt fan bell housing. Prebuilt motor bridges and prepped for welding stools in place. Unloaded TED system from trucks. Installed fan deck and continued impacting structure.
9. Whiting Turner (K067 – Buildings): Administration Building underground and footing excavation continued, along with MEP undergrounds. Electrical Building 2 interior wall and MEP rough-ins and Electrical Building 1 steel installations continued.

10. ARB (K027): Continued civil prep work for Gas Line installation and began to receive material.

11. Crown Fence (K009): Mobilized crews and equipment today.



Power Block 2 ACC

**Personnel on Site:**

Genesis Team	24
NAM	10
SWCA	3
Sukut (K010)	6
Sukut (K008)	38
PSI Testing (K007)	4
Terracon	1
AECOM	21
Guardsmark (K005)	5
Largo (K013)	109
Largo (K015)	46
BPC (K100)	41
BPC (K011)	41
BATZ	0
Sener	4
Newtron	20
Holt Group	2
SPX Technologies (K057)	60
Whiting Turner (K067)	17
ARB(K027)	4
Crown Fence(K009)	2
<b>Total</b>	<b>458</b>

# Genesis Daily Site Report

June 15, 2012

**Safety:** No Accident or Injury.

**Safety Topic of the Week:** "Trenching and Excavation Safety"

**Weather Conditions:** Sunny, Temp – High 102; S winds at 13 mph

**Site Compliance:** No issues to report.

## Items completed and working:

1. Site Preparation (K008): Drop structure finish grade continued. Channel BC and D apron/cut-off wall excavation and reinforcement continued.
2. Largo (K013): Unit 2 – Caisson layout in Block 2.
3. Blythe Power Constructors (K100): BPC continued SCE installation and alignment in Solar Field 2 Block 1. Material receiving is ongoing.
4. Sukut (K010): Dust control on the main access road and material receiving activities continued.
5. Newtron (K014): Continue wire and cable installation rings 3 and 4 SF #2, ground grid installation in Power Block #2, continue excavation and ground grid in ring 4 Solar field #1. Continue to have issue with quality of fiber optic and Ethernet cable ( separation between outer PVC coating and inner membrane and breaks in the metal flex)
6. Largo (K015): No Activity.
7. Blythe Power Constructors (K011): No Activity.
8. SPX Technologies (K057): Prebuilt fan bell housing, Prebuilt motor bridges and prepped for welding stools in place. Unloaded TED system from trucks. Installed fan deck and continued impacting structure.
9. Whiting Turner (K067 – Buildings): Electrical Building 2 framing inspection occurred today.
10. ARB (K027): No Activity.
11. Crown Fence (K009): Received first load of material.



Power Block 2 ACC



Power Block 2 HTF Drain Pit

**Personnel on Site:**

Genesis Team	17
NAM	10
SWCA	3
Sukut (K010)	6
Sukut (K008)	24
PSI Testing (K007)	4
Terracon	1
AECOM	21
Guardsmark (K005)	5
Largo (K013)	5
Largo (K015)	0
BPC (K100)	41
BPC (K011)	0
BATZ	0
Sener	4
Newtron	20
Holt Group	0
SPX Technologies (K057)	60
Whiting Turner (K067)	3
ARB(K027)	0
Crown Fence(K009)	1
<b>Total</b>	<b>225</b>

# Genesis Daily Site Report

June 18, 2012

**Safety:** There were 2 incident to report for 6-18

1. A largo employee strained a muscle in his back when turning away after receiving rebar. The employee returned to work.
2. An SPX employee felt pain in his back while working. The employee reported the pain and continued working without further instance.

**Safety Topic of the Week:** "Trenching and Excavation Safety"

**Weather Conditions:** Sunny, Temp – High 115; S winds at 19 mph

**Site Compliance:** No issues to report.

## **Items completed and working:**

1. Site Preparation (K008): Drop structure finish grade and Channel BC and D apron/cut-off wall reinforcement continued. Riprap installations continued in Channel D and the access road prime coat was applied.
2. Largo (K013): Unit 1 – Pouring caissons was nearly complete in Block 4. Forming and pouring sleepers in Block 5/6. Unit 2 – Excavating sleepers on the South side of Block 1/6, continued forming and pouring loop supports on the South sides of Block 1 and Block 6. Drilling caissons and continue layout in Block 2.
3. Blythe Power Constructors (K100): BPC continued SCE installation and alignment in Solar Field 2 Block 1. Material receiving is ongoing.
4. Sukut (K010): Dust control on the main access road and material receiving activities continued.
5. Newtron (K014): Continued excavation in ring 4 field 1, fiber optic installation and backfill/testing for ring 3 field 2 and fiber for ring 4. Continue ground grid installation in Power block #2, support Electronic building north/south pipe rack.
6. Largo (K015): Unit 1 – Tying rebar for the STG Block. Unit 2 – Tying rebar and forming more SGS walls. Backfilling around the Blow down/Oily Water Sump. Rebar installation is in the HTF Drain Pit. Poured feed water heater mat. Stripping exterior forms from STG Block. Unit 0 – Forming for the Firewater tank ring wall.
7. Blythe Power Constructors (K011): Continued with Power Block 2 Fire Water Loop excavation and installation. Began excavation of Fire Water North branch.

8. SPX Technologies (K057): Prebuilt fan bell housing. Prebuilt motor bridges and prepped for welding stools in place. Unloaded TED system from trucks. Installed fan deck and continued impacting structure.
9. Whiting Turner (K067 – Buildings): Electrical Building 2 interior rough-ins continued along with gypsum installations. Electrical Building 1 steel installations and Administration Building underground work continued.
10. ARB (K027): Began to layout and fuse pipe along the access road. Continued to receive material and prep area for trenching.
11. Crown Fence (K009): Continued to receive material. Security Fence installation is scheduled to begin tomorrow.



Power Block Unit 2 – Poured Feed water Heater Mat, Backfilling Blow down/Oily water sump

**Personnel on Site:**

Genesis Team	21
NAM	10
SWCA	2
Sukut (K010)	6
Sukut (K008)	43
PSI Testing (K007)	4
Terracon	1
AECOM	14
Guardsmark (K005)	5
Largo (K013)	111
Largo (K015)	37
BPC (K100)	41
BPC (K011)	36
BATZ	0
Sener	4
Newtron	20
Holt Group	2
SPX Technologies (K057)	60
Whiting Turner (K067)	18
ARB(K027)	10
Crown Fence(K009)	7
<b>Total</b>	<b>452</b>

# Genesis Daily Site Report

June 19, 2012

**Safety:** No Accident or Injury.

**Safety Topic of the Week:** "Driving Safety"

**Weather Conditions:** Sunny, Temp – High 110; SW winds at 6 mph

**Site Compliance:** No issues to report.

## Items completed and working:

1. Site Preparation (K008): Drop structure finish grade and Channel BC and D apron/cut-off wall reinforcement continued. Riprap installations continued in Channel D. Asphalt paving is scheduled for tomorrow.
2. Largo (K013): Unit 1 – Performing clean up in Block 4. Forming and pouring sleepers in Block 5/6. Unit 2 – Forming & Pouring sleepers on the South side of Block 1, and excavating on the south side of Block 6, Continued forming and pouring loop supports on the South sides of Block 1 and Block 6. Installing caissons in Block 2.
3. Blythe Power Constructors (K100): BPC continued SCE installation and alignment in Solar Field 2 Block 1. Material receiving is ongoing.
4. Sukut (K010): Dust control on the main access road and material receiving activities continued.
5. Newtron (K014): Continued excavation in ring 4 field 1, fiber optic installation and backfill/testing for ring 3 field 2 and fiber for ring 4. Continue ground grid installation in Power block #2, support Electronic building north/south pipe rack.
6. Largo (K015): Unit 1 – Tying rebar for the STG Block. Unit 2 –Tying rebar in the Evaporators & HTF Drain Pit. Excavating the PDC 1A. Poured Super heater walls. Stripping exterior forms from STG Block. Unit 0 – Installing bolts for the Firewater tank ring wall.
7. Blythe Power Constructors (K011): Continued Firewater main excavation and installation at Power Block 2 and Unit 1 Solar Field North Branch.
8. SPX Technologies (K057): Prebuilt fan bell housing. Prebuilt motor bridges and prepped for welding stools in place. Installed fan deck and continued impacting structure.
9. Whiting Turner (K067 – Buildings): Electrical Building 2 interior rough-ins continued along with gypsum installations. Electrical Building 1 steel installations and Administration Building underground work continued.

10. ARB (K027): Continued to layout and fuse pipe.

11. Crown Fence (K009): Continued to receive material. Tortoise Fence trenching and Security fence post drilling commenced in Solar Field 1 Channel A.



Solar Field 2 Block 2 Unloading Rebar Cages

**Personnel on Site:**

Genesis Team	22
NAM	10
SWCA	2
Sukut (K010)	6
Sukut (K008)	43
PSI Testing (K007)	4
Terracon	1
AECOM	14
Guardsmark (K005)	5
Largo (K013)	111
Largo (K015)	37
BPC (K100)	41
BPC (K011)	36
BATZ	0
Sener	4
Newtron	20
Holt Group	2
SPX Technologies (K057)	60
Whiting Turner (K067)	18
ARB(K027)	8
Crown Fence(K009)	8
<b>Total</b>	<b>452</b>

# Genesis Daily Site Report

June 20, 2012

**Safety:** No Accident or Injury.

**Safety Topic of the Week:** "Driving Safety"

**Weather Conditions:** Sunny, Temp – High 110; SW winds at 3 mph

**Site Compliance:** No issues to report.

## Items completed and working:

1. Site Preparation (K008): Drop structure finish grade and Channel BC and D apron/cut-off wall reinforcement continued. Riprap installations continued in Channel D. Asphalt paving commenced in Unit 1.
2. Largo (K013): Unit 1 – Performing clean up in Block 4. Forming and pouring sleepers in Block 5/6. Unit 2 – Forming & Pouring sleepers on the South side of Block 1, and excavating on the south side of Block 6, Continued forming and pouring loop supports on the South sides of Block 1 and Block 6. Installing caissons in Block 2.
3. Blythe Power Constructors (K100): BPC continued SCE installation and alignment in Solar Field 2 Block 1. Material receiving is ongoing.
4. Sukut (K010): Dust control on the main access road and material receiving activities continued.
5. Newtron (K014): Continued excavation in ring 4 field 1, fiber optic installation and backfill/testing for ring 3 field 2 and fiber for ring 4. Continue ground grid installation in Power block #2, support Electronic building, north/south pipe rack.
6. Largo (K015): Unit 1 – Tying rebar for the STG Block. Unit 2 –Tying rebar in the HTF Drain Pit & evaporators. Excavating the PDC 1A. Stripping exterior forms from STG Block. Unit 0 – Installing bolts for the Firewater tank ring wall. Excavating for the WW/TW tanks.
7. Blythe Power Constructors (K011): Continued Firewater main excavation and installation at Power Block 2.
8. SPX Technologies (K057): Worked on motor bridges, setting grating and prepping to install motors. Setting up preassembly for CCM in upper lay down area. Installation of fan deck plate. Impacting structure and filling in any missed bolts, QC checking structure. Impacting A frame structure.

9. Whiting Turner (K067 – Buildings): Electrical Building 2 interior rough-ins continued along with gypsum installations. Electrical Building 1 steel installations and Administration Building underground work continued.
10. ARB (K027): Continued to layout and fuse pipe.
11. Crown Fence (K009): Continued to receive material. Continued to drill post holes and trenching for tortoise fence. First poles are scheduled to be set tomorrow.



Unit 1-Asphalt Paving

**Personnel on Site:**

Genesis Team	25
NAM	10
SWCA	2
Sukut (K010)	6
Sukut (K008)	52
PSI Testing (K007)	4
Terracon	1
AECOM	15
Guardsmark (K005)	5
Largo (K013)	111
Largo (K015)	37
BPC (K100)	41
BPC (K011)	40
BATZ	0
Sener	4
Newtron	20
Holt Group	2
SPX Technologies (K057)	78
Whiting Turner (K067)	18
ARB(K027)	8
Crown Fence(K009)	8
<b>Total</b>	<b>487</b>

# Genesis Daily Site Report

June 21, 2012

**Safety:** No Accident or Injury.

**Safety Topic of the Week:** "Driving Safety"

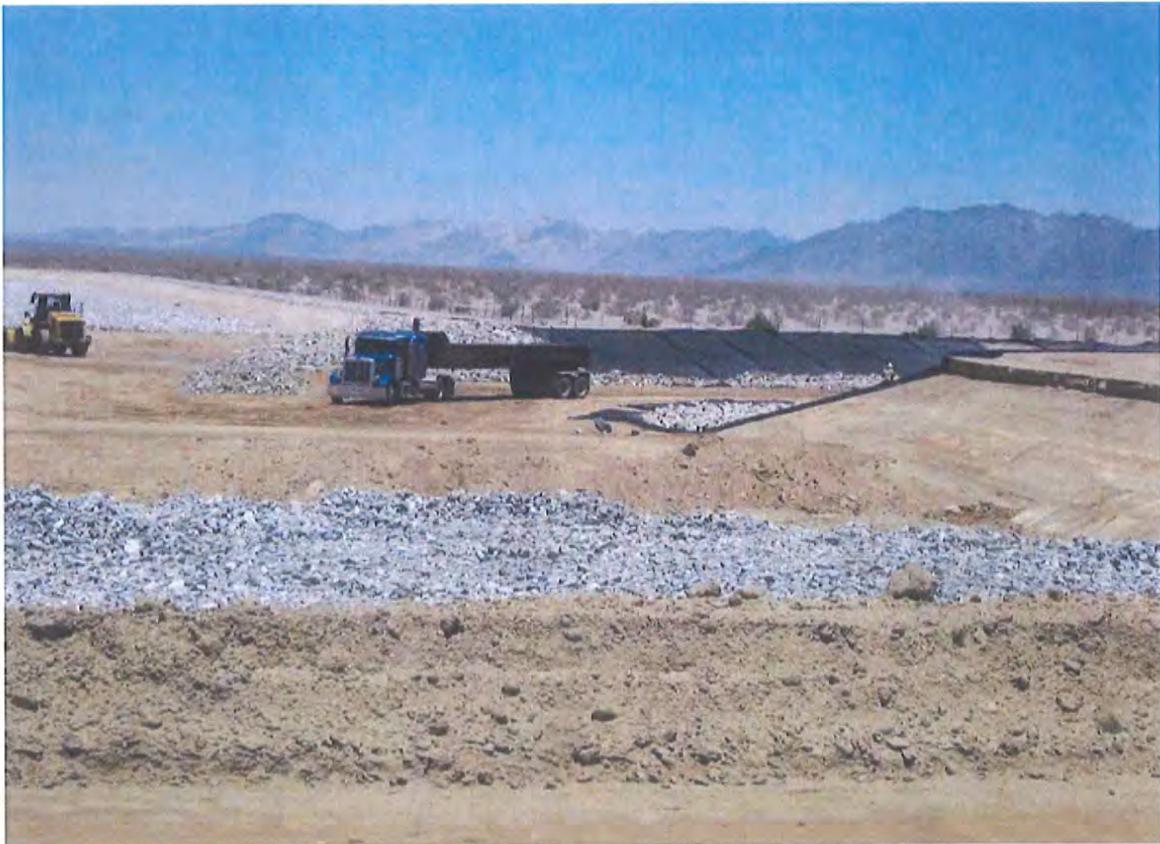
**Weather Conditions:** Sunny, Temp – High 110; S winds at 18 mph

**Site Compliance:** No issues to report.

## Items completed and working:

1. Site Preparation (K008): Drop structure finish grade and Channel BC and D apron/cut-off wall reinforcement continued. Riprap installations continued in Channel D. Asphalt paving continued in Unit 2.
2. Largo (K013): Unit 1 – Forming and pouring sleepers in Block 5/6. Unit 2 – Forming & Pouring sleepers on the South side of Block 1, and excavating on the south side of Block 6, Continued forming and pouring loop supports on the South sides of Block 1 and Block 6. Installing caissons in Block 2.
3. Blythe Power Constructors (K100): BPC continued SCE installation and alignment in Solar Field 2 Block 1. Material receiving is ongoing.
4. Sukut (K010): Dust control on the main access road and material receiving activities continued.
5. Newtron (K014): Installing ground grid/trenching and backfill power block #2, also trenching, installing ground cable, rods and ground wells for main ground conductors circuits supporting rings 2 and 3, backfill/compaction, continued ground cable, fiber optic, Ethernet installation ring 4 solar field 1. Installed 30amp 225v circuit to support power for new data/communication equipment at construction office complex. Continue receiving wire and cable and prefab fiber optic and Ethernet LOC whip loops.
6. Largo (K015): Unit 1 – None. Unit 2 –Tying rebar in the evaporators. Excavating/layout the PDC 1A foundation bottoms. Stripping exterior forms from STG Block is complete. Unit 0 – Installing bolts for the Firewater tank ring wall. Forming for the WW/TW tanks. Poured The remaining 3 slabs in the HTF Drain Pit and some pipe rack columns
7. Blythe Power Constructors (K011): Continued Firewater main excavation and installation at Power Block 2.

8. SPX Technologies (K057): Worked on setting gear box and motor on motor bridge, and continued building other motor bridges. Set up CCM's for preassembly. Continued on installation of fan deck, and setting hand rails. Continued impacting structure and pre-building A frames.
9. Whiting Turner (K067 – Buildings): Electrical Building 2 interior rough-ins continued along with gypsum installations. Electrical Building 1 steel installations and Administration Building underground work continued.
10. ARB (K027): Continued to layout and fuse pipe.
11. Crown Fence (K009): Continued to receive material and drill post holes. First poles for Security Fence were set.



Channel Rip Rap Installation

**Personnel on Site:**

Genesis Team	23
NAM	10
SWCA	2
Sukut (K010)	6
Sukut (K008)	52
PSI Testing (K007)	4
Terracon	1
AECOM	15
Guardsmark (K005)	5
Largo (K013)	111
Largo (K015)	37
BPC (K100)	41
BPC (K011)	40
BATZ	0
Sener	4
Newtron	20
Holt Group	2
SPX Technologies (K057)	78
Whiting Turner (K067)	18
ARB(K027)	8
Crown Fence(K009)	8
<b>Total</b>	<b>485</b>

# Genesis Daily Site Report

June 22, 2012

**Safety:** No Accident or Injury.

**Safety Topic of the Week:** "Driving Safety"

**Weather Conditions:** Sunny, Temp – High 106; SW winds at 15 mph

**Site Compliance:** No issues to report.

## Items completed and working:

1. Site Preparation (K008): Channel BC and D apron/cut-off walls and paving was poured. Riprap installations continued in Channel D and BC. Asphalt base course paving completed inside the plant and at the SCE crossing.
2. Largo (K013): No activity.
3. Blythe Power Constructors (K100): BPC continued SCE installation and alignment in Solar Field 2 Block 1. Material receiving is ongoing.
4. Sukut (K010): Dust control on the main access road and material receiving activities continued.
5. Newtron (K014): Installing ground grid/trenching and backfill power block #2, also trenching, installing ground cable, rods and ground wells for main ground conductors circuits supporting rings 2 and 3, backfill/compaction, continued ground cable, fiber optic, Ethernet installation ring 4 solar field 1.
6. Largo (K015): No Activity.
7. Blythe Power Constructors (K011): Began excavation on Common Trench on the North side of Power Block 2 and continued with backfill on Firewater main.
8. SPX Technologies (K057): Worked on setting gear box and motor on motor bridge, and continued building other motor bridges. Set up CCM's for preassembly. Continued on installation of fan deck, and setting hand rails. Continued impacting structure and pre-building A frames.
9. Whiting Turner (K067 – Buildings): No Activity.
10. ARB (K027): No Activity.
11. Crown Fence (K009): No Activity.



Aerial Photo-Power Block 2

**Personnel on Site:**

Genesis Team	22
NAM	3
SWCA	1
Sukut (K010)	6
Sukut (K008)	52
PSI Testing (K007)	3
Terracon	1
AECOM	6
Guardsmark (K005)	5
Largo (K013)	0
Largo (K015)	0
BPC (K100)	41
BPC (K011)	11
BATZ	0
Sener	4
Newtron	20
Holt Group	2
SPX Technologies (K057)	78
Whiting Turner (K067)	0
ARB(K027)	0
Crown Fence(K009)	0
<b>Total</b>	<b>255</b>

# Genesis Daily Site Report

June 25, 2012

**Safety:** BV Safety onsite today. Two Largo employees reported signs of heat stress.

**Safety Topic of the Week:** "Tool Safety"

**Weather Conditions:** Sunny, Temp – High 108; WSW winds at 10-15 mph

**Site Compliance:** No issues to report.

## Items completed and working:

1. Site Preparation (K008): Riprap installations continued in Channel D and BC.
2. Largo (K013): Unit 2 – Installing caissons in Block 2, Layout is in Block 5. Pipe supports & Sleepers are being installed on the South side Blocks 5 & 6. Received a load of Bolts.
3. Blythe Power Constructors (K100): BPC continued SCE installation and alignment in Solar Field 2 Block 1. Material receiving is ongoing.
4. Sukut (K010): Dust control on the main access road and material receiving activities continued.
5. Newtron (K014): Continue receiving and oft loading, testing wire and cable, Installing ground perimeter grid ring #4 and #5 Solar field #2, power block #2 ground grid, rods and test wells, Ullage and east/west pipe rack foundations, also wire and cable installation in ring #4 solar field #1.
6. Largo (K015): Unit 2 – Installing rebar for the evaporators and HTF Drain pit walls. Backfilling the Northern piperack (East end). Excavating the PDC 2A footings. Forming Feedwater heater pedestals. Unit 0 – Poured fire water ring wall.
7. Blythe Power Constructors (K011): Excavation and pipe installation at Power Block 2 and Solar Field 1 continued.
8. SPX Technologies (K057): Worked on setting gear box and motor on motor bridge, and continued building other motor bridges. Set up CCM's for preassembly. Continued on installation of fan deck, and setting hand rails. Continued impacting structure and pre-building A frames.
9. Whiting Turner (K067 – Buildings): Electrical Building 2 interior rough-ins continued along with gypsum installations. Electrical Building 1 steel installations and Administration Building underground work continued.

10. ARB (K027): Began excavation at the SE corner. Continued to layout and fuse pipe. Conducted air test on the first 150' of pipe with no issues.
11. Crown Fence (K009): Continued trenching for the tortoise fence. Security fence post installation continued.
12. PMI (K074): Received equipment and began foundation prep at the HTF Overflow Vessels.



Common Area Firewater Tank Ring wall

**Personnel on Site:**

Genesis Team	22
NAM	10
SWCA	2
Sukut (K010)	6
Sukut (K008)	52
PSI Testing (K007)	3
Terracon	1
AECOM	15
Guardsmark (K005)	5
Largo (K013)	113
Largo (K015)	37
BPC (K100)	41
BPC (K011)	41
BATZ	0
Sener	4
Newtron	20
Holt Group	2
SPX Technologies (K057)	78
Whiting Turner (K067)	0
ARB(K027)	10
Crown Fence(K009)	8
PMI	8
<b>Total</b>	<b>478</b>

# Genesis Daily Site Report

June 26, 2012

**Safety:** No Accident or Injury.

**Safety Topic of the Week:** "Tool Safety"

**Weather Conditions:** Sunny, Temp – High 107; SW winds at 5 mph

**Site Compliance:** No issues to report.

## **Items completed and working:**

1. Site Preparation (K008): Riprap installations are ongoing along with metal guard rail installation.
2. Largo (K013): Unit 2: installing sleepers and pipe supports on the south end of Block 1 & 6. Constructing caissons in Block 2. Caisson layout on the West end of Block 5. Unit 1: No activities.
3. Blythe Power Constructors (K100): BPC continued SCE installation and alignment in Solar Field 2 Block 1. Material receiving is ongoing.
4. Sukut (K010): Dust control on the main access road and material receiving activities continued.
5. Newtron (K014): Installing ground grid Power Block 2 pipe racks, continue wire and cable installation Ring 4 Solar Field #1.
6. Largo (K015): Unit 2: Excavating for the PDC 2A foundation, installing rebar for the drain pit Western walls, poured the mat for both Evaporators. Common Area: Forming wastewater & treated water ring wall footings.
7. Blythe Power Constructors (K011): Excavation and pipe installation at Power Block 2 and Solar Field 1 continued. Conducted Natural Gas test a Solar Field 1.
8. SPX Technologies (K057): Worked on motor bridges and prepped two for setting on tower. Unloaded trucks in upper lay down yard and sorted material and transported needed material to tower. Installed deck plate and hand rails. Continued impacting structure.
9. Whiting Turner (K067 – Buildings): Electrical Building 1 steel and interior wall installations are on-going. Electrical Building 2 finishes are underway. Administration Building foundation pours continue.
10. ARB (K027): Began excavation at the SE corner. Continued to layout and fuse pipe. Conducted Natural Gas Pressure test on next 9,000' of pipe.

11. Crown Fence (K009): Continued trenching for the tortoise fence and post installation.

12. PMI (K074): Continued with foundation prep at the HTF Overflow Vessels.



PB 2 HTF Drain Pit

**Personnel on Site:**

Genesis Team	22
NAM	10
SWCA	2
Sukut (K010)	6
Sukut (K008)	52
PSI Testing (K007)	3
Terracon	1
AECOM	16
Guardsmark (K005)	5
Largo (K013)	113
Largo (K015)	37
BPC (K100)	41
BPC (K011)	41
BATZ	0
Sener	4
Newtron	20
Holt Group	2
SPX Technologies (K057)	78
Whiting Turner (K067)	0
ARB(K027)	10
Crown Fence(K009)	8
PMI	8
<b>Total</b>	<b>479</b>

# Genesis Daily Site Report

June 27, 2012

**Safety:** No Accident or Injury.

**Safety Topic of the Week:** "Tool Safety"

**Weather Conditions:** Sunny, Temp – High 110; S winds at 21 mph

**Site Compliance:** No issues to report.

## **Items completed and working:**

1. Site Preparation (K008): Riprap installations are ongoing along with metal guard rail installation.
2. Largo (K013): Unit 2: installing sleepers and pipe supports on the south end of Block 1 & 6. Constructing caissons in Block 2. Caisson layout on the East end of Block 5. Unit 1: No activities.
3. Blythe Power Constructors (K100): BPC continued SCE installation and alignment in Solar Field 2 Block 1. Material receiving is ongoing.
4. Sukut (K010): Dust control on the main access road and material receiving activities continued.
5. Newtron (K014): Completed perimeter ground grid collector run rings 3 and 4, started excavation perimeter ground grid rings 7 and 8 SF 1, continue 600v powder cable installation ring 4 SF 1, ongoing ground installation Power Block 2.
6. Largo (K015): Unit 2: Excavating for the PDC 2A foundation, installing rebar and forms for the drain pit Western walls, forming Northern Reheater walls. Common Area: Forming wastewater & treated water ring wall footings and installing anchor bolts.
7. Blythe Power Constructors (K011): Excavation and pipe installation at Power Block 2 and Solar Field 1 continued. Conducted Natural Gas test at Solar Field 2.
8. SPX Technologies (K057): Worked on motor bridges and set one in place and prepped for lifting two on Thursday. Continued impacting structure and working on A frame wind walls. Set up TED reducer in upper lay down area for preassembly. Worked on installing fan deck plate and hand rails. Set stair tower scaffold for access to upper level of ACC.
9. Whiting Turner (K067 – Buildings): Electrical Building 1 roof installation commenced today. Electrical Building 2 finishes are underway. Administration Building foundation pours continue.

10. ARB (K027): Continued to excavate, install and backfill pipe along the access road. Fusing and layout of pipe is ongoing.
11. Crown Fence (K009): Continued trenching for the tortoise fence and post installation. Excavated Channel D tortoise guard.
12. PMI (K074): Continued with foundation prep at the HTF Overflow Vessels.



Rip Rap Installation

**Personnel on Site:**

Genesis Team	22
NAM	10
SWCA	2
Sukut (K010)	6
Sukut (K008)	52
PSI Testing (K007)	4
Terracon	2
AECOM	16
Guardsmark (K005)	5
Largo (K013)	113
Largo (K015)	35
BPC (K100)	41
BPC (K011)	41
BATZ	0
Sener	4
Newtron	20
Holt Group	2
SPX Technologies (K057)	78
Whiting Turner (K067)	0
ARB(K027)	10
Crown Fence(K009)	8
PMI	10
<b>Total</b>	<b>481</b>

# Genesis Daily Site Report

June 28, 2012

**Safety:** No Accident or Injury.

**Safety Topic of the Week:** "Tool Safety"

**Weather Conditions:** Sunny, Temp – High 110; S winds at 21 mph

**Site Compliance:** CRIT monitors arrived at 6:00 am for orientation for monitoring grading work within the Exclusion Zone.

## Items completed and working:

1. Site Preparation (K008): Riprap installations are ongoing along with metal guard rail installation. **Exclusion Zone grading work commenced in Channel A as well as Block 3 of Unit 1 today.**
2. Largo (K013): Unit 2: installing sleepers and pipe supports on the south end of Block 1 & 6. Still pouring in Block 2 & Finished drilling caissons in Block 2. Caisson layout is complete on the East end of Block 5. Unit 1: No activities. Largo is off next week. Work to resume the week of July 9<sup>th</sup>.
3. Blythe Power Constructors (K100): BPC continued SCE installation and alignment in Solar Field 2 Block 1. Material receiving is ongoing.
4. Sukut (K010): Dust control on the main access road and material receiving activities continued.
5. Newtron (K014): Continue receiving wire/cable and components, installing ground grid Power Block #2 support pipe rack foundations, on going with perimeter ground collector for Solar Field #1 rings 3 and 4, installing power and fiber optic cabling in ring 4.
6. Largo (K015): Unit 2: Excavating for the PDC 2A foundation, installing rebar and forms for the drain pit Western walls, Poured the northern re-heater walls. Common Area: Poured wastewater & treated water ring wall footings. Largo is off next week. Work to resume the week of July 9<sup>th</sup>.
7. Blythe Power Constructors (K011): Excavation and pipe installation at Power Block 2 and Solar Field 1 continued. Excavation for Waste Water lines in Power Block 1 commenced.
8. SPX Technologies (K057): Worked on motor bridges and set one in place and prepped for lifting two on Thursday. Continued impacting structure and working on A frame wind walls. Set up TED reducer in upper lay down area for preassembly. Worked on installing fan deck plate and hand rails.

9. Whiting Turner (K067 – Buildings): Electrical Building 1 roof installation continued today.
10. ARB (K027): Continued to excavate, install and backfill pipe along the access road. Fusing and layout of pipe is ongoing.
11. Crown Fence (K009): Continued trenching for the tortoise fence and post installation.
12. PMI (K074): Continued with foundation prep at the HTF Overflow Vessels.



Exclusion Zone Grading Channel A

**Personnel on Site:**

Genesis Team	22
NAM	10
SWCA	3
Sukut (K010)	6
Sukut (K008)	52
PSI Testing (K007)	4
Terracon	2
AECOM	20
Guardsmark (K005)	5
Largo (K013)	113
Largo (K015)	35
BPC (K100)	41
BPC (K011)	41
BATZ	0
Sener	4
Newtron	20
Holt Group	2
SPX Technologies (K057)	78
Whiting Turner (K067)	0
ARB(K027)	10
Crown Fence(K009)	8
PMI	10
CRIT Representatives	2
<b>Total</b>	<b>488</b>

# Genesis Daily Site Report

June 29, 2012

**Safety:** No Accident or Injury.

**Safety Topic of the Week:** "Tool Safety"

**Weather Conditions:** Sunny, Temp – High 112; SW winds at 16 mph

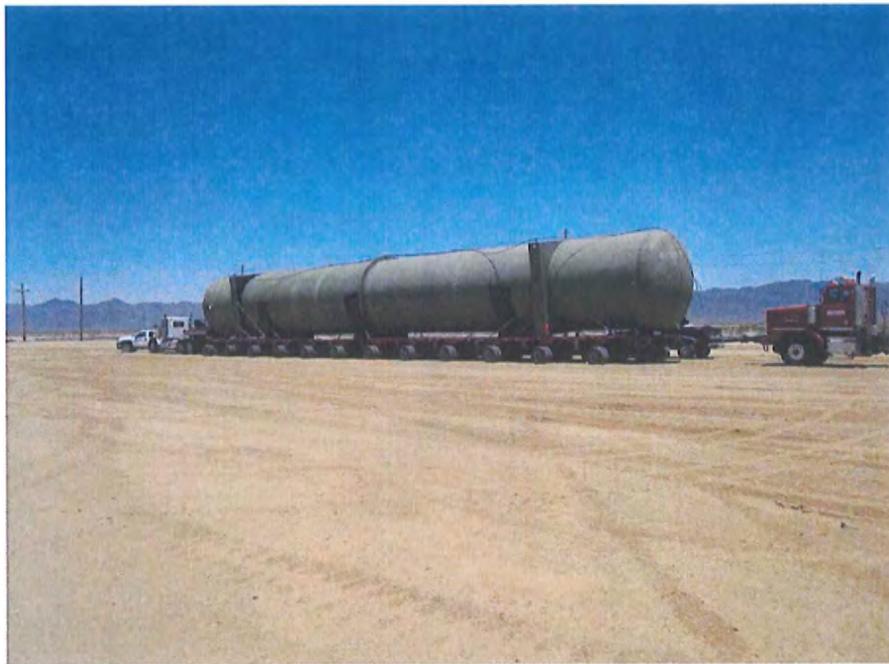
**Site Compliance:** No issues to report.

## **Items completed and working:**

1. Site Preparation (K008): Riprap installations are ongoing along with metal guard rail installation. Exclusion Zone grading work continued in Channel A as well as Block 3 of Unit 1 today.
2. Largo (K013): Moved Drill Rigs to Unit 2 Block 5.
3. Blythe Power Constructors (K100): BPC continued SCE installation and alignment in Solar Field 2 Block 1. Material receiving is ongoing.
4. Sukut (K010): Dust control on the main access road and material receiving activities continued.
5. Newtron (K014): Continue receiving wire/cable and components, installing ground grid Power Block #2 support pipe rack foundations, on going with perimeter ground collector for Solar Field #1 rings 3 and 4, installing power and fiber optic cabling in ring 4.
6. Largo (K015): No Activity.
7. Blythe Power Constructors (K011): No Activity.
8. SPX Technologies (K057): Continued impacting structure and began setting A frame. Set up TED reducer in upper lay down area for preassembly.
9. Whiting Turner (K067 – Buildings): No Activity.
10. ARB (K027): No Activity.
11. Crown Fence (K009): No Activity.
12. PMI (K074): Continued with foundation prep at the HTF Overflow Vessels. Received first HTF Vessel.



Power Block 2 ACC



HTF Overflow Vessel

**Personnel on Site:**

Genesis Team	22
NAM	5
SWCA	2
Sukut (K010)	6
Sukut (K008)	52
PSI Testing (K007)	3
Terracon	2
AECOM	9
Guardsmark (K005)	5
Largo (K013)	6
Largo (K015)	0
BPC (K100)	41
BPC (K011)	0
BATZ	0
Sener	4
Newtron	20
Holt Group	2
SPX Technologies (K057)	78
Whiting Turner (K067)	0
ARB(K027)	0
Crown Fence(K009)	0
PMI	10
<b>Total</b>	<b>267</b>