

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

**Genesis Solar, LLC**

**Monthly Compliance Report #31  
May 2013**

**(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 May, 2013.

During the month of May, 2013, Project activities included:

- Continued New Employee site specific Safety Training and Worker's Environmental Awareness Training.
- Above ground grid installations continue.
- Began off-loading of HTF fluid (roughly 6 trucks per day for 6 weeks). Operated HTF Overflow pump to move fluid from the Overflow Vessel through the system.
- Gravity feed HTF fluid into the solar field headers.
- Completed installation of fiber optic cable to DCS cabinets in Power Block 2 and the Admin Bldg, energized the cabinets and began network integrity checks.
- Completed the hydro-tests of the North-South HTF header and the HTF header between Blocks 9 & 10 in Solar Field 2 (one branch header, 7-8 remains).
- Completed all hydro-tests in Power Block 2 associated with the HTF, Condensate and Feedwater systems.
- Mobilized and started hydro-lazing activities in Power Block 2. Completed cleaning of ACC piping & manifolds, except the ductwork connection to the STG.
- Erected the Train 1 & 2 Steam Drum platform steel in Power Block 1.
- Received and set the last HTF Overflow Vessel in Power Block 1. Erected the HTF Expansion Vessel support steel.

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)

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

Date	To	Condition	Subject
5/8/13	CEC	Mech-2	Approval of vessels
5/8/13	CEC	AQ-11	HTF Vent Release Inspection and Maintenance Plan
5/13/13	CEC	COM-06	April MCR
5/17/13	CEC	AQ-SC7	Operations Dust Control Plan
5/28/13	CEC	S&W-2	1st Quarter Groundwater Level Monitoring Report

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

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

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

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

No new applications were submitted in May 2013.

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

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

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

Under the direction of the AQCMM and as per the AQCMP the following measures have been taken to maintain compliance:

- All workers have been instructed in fugitive dust prevention as part of their Workers Environmental Awareness Program training.

- Fugitive dust control mitigation measures continue to be a topic at contractor tailboard meetings once a week or more, depending upon weather conditions. During the month of May, no wind activity affected production or cause a slowdown of work.
- No vehicle shall exceed 10 mile per hour on unpaved areas within the construction site, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions.
- Speed limit signs are posted at the lay-down areas and along the access roads for the full length of the project. Dusk and dawn speed limit signs annotating the 25 mph limit continue to be a discussion with contractors to remind them of the reduction in speed during the dusk and dawn hours. 45 mph is posted during the day from 5:45 AM to 7:30 PM and 25 mph posted for the night 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. All slowdowns or work stoppages due to air quality concerns are recorded below, along with response taken to ameliorate Air Quality concerns.

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

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

Requirement: The AQCMMD 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 May, are provided in Appendix A. The equipment complies with the California Tier III standards for equipment above 50 hp.

See Appendix A

**BIO-2: Designated Biologist**

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

See Appendix B.

**BIO-4: Biological Monitors**

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

See Appendix B.

**BIO-7: Biological Resource Mitigation Implementation and Monitoring Plan  
And**

**BIO-8: Impact Avoidance and Minimization Measures**

Requirement: Submit compliance documentation for implementation of BRMIMP measures.

See Appendix B

**BIO-9: Desert Tortoise Clearance Surveys and Fencing**

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

See Appendix B

**BIO-11: Desert Tortoise Compliance Verification**

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

See Appendix B.

**BIO-13: Monthly Raven Observation**

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

Included in Appendix B

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

See Appendix B.

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

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

See Appendix B

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

Requirement: Submit burrowing owl mitigation compliance documentation.

See Appendix B.

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

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

See Appendix B

**BIO-22: Mitigation for Impacts to State Waters**

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

No rain events have resulted in flow of any channel during the month of May. Erosion control devices (silt fence, straw waddles, 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 May, the total number of personnel who received the Construction Worker Environmental Awareness Training was 161. The number of personnel who have received the training to date is 3659. Copies of the WEAP training sign-in sheets for the monthly reporting period are included in Appendix C.

**CUL-8: Construction Monitoring Program**

Requirement: Submit report of any noncompliance.

No NCR's issued in the month of May.

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.

**CUL-13: Flag and Avoid**

Requirement: Submit compliance documentation regarding flagging inspections.

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

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

Requirement: Submit documentation regarding compliance with DESCP.

Repair and completion of all channels continue.

**TRANS-2: Vehicle Weight Limits**

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

No Permits were received for the month of May.

See Appendix G

**TRANS-3: Public ROW Encroachment**

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

On March 25, 2013 GSEP received an Encroachment Permit from the California Department of Transportation.

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

Requirement: Report hazardous material transport permits received.

HTF arrived onsite beginning May 13, 2013. Hazmat Transport Permits are included in Appendix G

**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 12 first aids and no recordable injuries in the month of May.

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

Weekly bulletins are enclosed in Appendix F.

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

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

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

**GEN-3: CBO Payments**

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

1 invoice, with a total of \$260,686.34, was paid to the CBO, during the month of May.

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

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

No Special Inspectors were submitted/approved during the month of May.

See Appendix D

**GEN-7: Facility Design Discrepancy Documentation**

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

No discrepancies reported for the Month of May.

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

Requirement: Submit a copy of statement of work completed.

See Appendix D

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

Requirement: Submit a copy of CBO approval.

See Appendix D

**CIVIL-3: CBO Inspection of 2007 CBC Compliance**

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

None received in the month of May.

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.

See Appendix D

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

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

See Appendix E

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

Requirement: Submit schedule updates.

See Appendix D

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

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

See Appendix D

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

See Appendix D

**COMPLIANCE-5 - Compliance Matrix**

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

The Compliance Matrix is enclosed

**COMPLIANCE-6 – Monthly Compliance Report**

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

See Appendix G

**COMPLIANCE-13 – Post Certification Amendments**

No Amendments submitted/approved for the month of May.

## **Compliance Matrix**

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Internal Due Date	Date Final Due	Date Submitted to Agency	Agency Status
1	CEC	x			AQ-SC1	Air Quality Construction Mitigation Manager (AQCOMM) - staff assignment	Assign Air Quality Construction Mitigation Manager	ECM	> 30d pt gd		12/17/10	11/16/2010 1/13/11	Approved 12/2/2010
2	CEC		x		AQ-SC1	Air Quality Construction Mitigation Manager (AQCOMM) - staff assignment	AQCOMM remain onsite to monitor construction activities	ECM	Ongoing				
3	CEC	x			AQ-SC2	Air Quality Construction Mitigation Plan (AQCMP)	Prepare Air Quality Construction Mitigation Plan (AQCMP)	ECM	> 30d pt gd		12/17/10	23-Nov-10	Approved 12/2/2010
17	CEC	x	x	x	AQ-SC8	Air permit submittals	Submit copies of District issued Authority to Construct & Permit to Operate Documents.	Fluor	< 5d from date of submittal or receipt			12-Dec-10	Approved 1/17/11
33	CEC		x		AQ-10	HTF Ullage/Exp. Tanks - Carbon absorption system	Submit a monitoring and change-out plan for the system.	McCord	pt initial start up		08/01/12		CEC Approval
55	CEC		x		AQ-20	Drift Eliminator Monitoring and Reporting - Cooling Towers	Submit manufacturer guarantee data for the drift eliminator.	McCord	> 30d pt cooling tower operation		03/01/14		DELETED Per Eric Veerkamp
57	CEC		x		AQ-22	Water Testing Protocol - Cooling Tower	Submit a test and emissions calculation protocol.	McCord	> 30d pt testing				DELETED Per Eric Veerkamp
101	CEC	x			BIO-1	Designated Biologist - staff assignment	Assign Designated Biologist.	AECOM	> 30d pt gd		12/17/10	9/27/2010 2/18/11	Approved /German
104	CEC	x	x		BIO-2	Designated Biologist - responsibilities	Des Bio Pre-con: Consult on the preparation of the BRMIMP; Oversee survey efforts for sensitive bio resources; Mark sensitive biological resource areas and inspect regularly;	AECOM			n/a	n/a	n/a
106	CEC	x			BIO-3	Biological Monitors - Staff assignment	Assign Bio Monitors and submit training verification	AECOM	> 30d pt gd		12/17/10	10-Dec-10	Approved (various dates)
109	CEC		x		BIO-4	Biological Monitors - responsibilities	Assist with surveys and in monitoring of site mobilization activities.	Guigliano	pt construction		Ongoing		
113	CEC	x			BIO-6	Worker Environmental Awareness Program (WEAP)	Prepare and Submit WEAP (including trainer resume)	AECOM/Thomas	> 30d pt gd		12/17/10	3-Dec-10	Comments received 12/08/10
117	CEC	x			BIO-6	Worker Environmental Awareness Program (WEAP)	Submit Final WEAP.	Tetra Tech	> 10d pt gd		01/06/11	1/4/2011 1/14/11	Approved 1/14/11
120	CEC	x			BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Submit Draft BRMIMP	Tetra Tech	> 30d pt site mobilization		12/17/10	23-Nov-10	comments received 12/21/10
126	CEC	x			BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Submit final BRMIMP.	Tetra Tech	> 7d pt gd		01/09/11	1/5/2011 1/11/11	Approved 1/12/11
128		x	x		BIO-8	Impact Avoidance and Minimization Measures	If an active bird nest is detected, submit Nesting Bird Monitoring and Management Plan	Tetra Tech	< 7d pt noisy construction in nesting habitat		01/10/11	1/25/2011 2/25/11	3/14/2011
128	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	Flag Project boundary in consultation with Des Bio and confine all disturbance and vehicles to within boundary. - PHASE II	Fluor	pt construction		04/25/11	completed	completed
128	CEC	x			BIO-8	Impact Avoidance and Minimization Measures	Flag Project boundary in consultation with Des Bio and confine all disturbance and vehicles to within boundary. - PHASE I	Fluor	pt construction		01/10/11	completed	completed
135	CEC	x			BIO-8	Impact Avoidance and Minimization Measures	Designated Biologist must monitor ground disturbing activities prior to pre-construction site mobilization.	Tetra Tech / Fluor	pt site mobilization		01/16/11	completed	
136	CEC		x		BIO-9	Desert Tortoise Clearance Surveys and Fencing	Flag and survey the alignments for the permanent perimeter fence and utility rights-of-way fencing <24hrs PT fence construction.	German	< 24hrs pt fence construction				
137	CEC		x		BIO-9	Desert Tortoise Clearance Surveys and Fencing	Submit DT survey reports. Ph I	Tetra Tech	< 30d after survey complete		02/17/11	2/25/2011 3/28/11	Comments received 3/14/11
137	CEC		x		BIO-9	Desert Tortoise Clearance Surveys and Fencing	Submit DT survey reports. P II	Tetra Tech	< 30d after survey complete		05/15/11		
140	CEC		x		BIO-9	Desert Tortoise Clearance Surveys and Fencing	If tortoises were relocated during fence installation, inspect fences at least two times a day for the first 7 days.	Tetra Tech	Monthly		Monthly		N/A
141	CEC	x			BIO-9	Desert Tortoise Clearance Surveys and Fencing	Install exclusion (supervised by Des. Bio or Monitors) fencing PT site clearing and grubbing.	Fluor	pt clearing and grading		01/18/11	completed	CEC approval 4/15/11
143	CEC	x			BIO-10	Desert Tortoise Translocation Plan	Submit final version of Desert Tortoise Translocation Plan.	Tetra Tech	< 30d pt site mobilization		12/17/10	11/29/10, resubmitted 12/28/10 resub 1/7/11 1/10/11 2/8/11	Approved 1/10/11
150	CEC	x			BIO-11	Desert Tortoise Compliance Verification	Des Bio - Notify the CPM > 14d pt construction ground disturbance. Ph I	Tetra Tech	> 14d pt gd		01/02/11	3-Jan-11	NA
150	CEC	x			BIO-11	Desert Tortoise Compliance Verification	Des Bio - Notify the CPM > 14d pt construction ground disturbance. Ph II	Tetra Tech	> 14d pt gd		04/17/11		
151	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	Submit PAR analysis for compensation lands.	AECOM	< 60d after CPM approval				N/A per Wildlands
152	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	Submit an Acquisition Proposal compensation lands.	Tetra Tech	< 12m after start of construction		01/12/12		
153	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	Fund activities for Des Tort compensation. Submit verification of funding to CPM.	NextEra	< 60d CPM determining requirements				
153	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	Complete initial protection and improvement activities of mitigation lands. Submit verification to CPM.	Tetra Tech	< 6m CPM determining requirements				
154	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	If delegated to third party, complete acquisition within 18 months of gd activities.	NextEra	< 18m after start of gd		07/09/12		
156	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	If mitigation is not completed 30d pt gd, post security for funding.	NextEra	> 30d pt gd		04/01/11		
157	CEC	x			BIO-12	Desert Tortoise Compensatory Mitigation	Notify (written) CPM of gd activity commencement.	Tetra Tech	> 30d pt gd		12/17/10	3-Jan-10	NA
157	CEC	x			BIO-12	Desert Tortoise Compensatory Mitigation	Notify (written) CPM of gd activity commencement. Phase II	Tetra Tech	> 30d pt gd		04/02/11		
158	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	Submit a Preliminary Title Report, initial hazardous materials survey report, biological analysis for compensation land.	Tetra Tech					Wildlands Approved 10/11/11
159	CEC	x	x		BIO-12	Desert Tortoise Compensatory Mitigation	Fund long-term maintenance and management activities of the compensation lands. Submit verification of funding.	NextEra	< 30d after CPM approval				Wildlands Approved 10/11/11
160	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	Acquire and transfer fee title to the compensation lands, a conservation easement over the lands, or both.	Fluor			11/01/11	Complete	Complete

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Internal Due Date	Date Final Due	Date Submitted to Agency	Agency Status
161	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	Alternative to compensation lands, contribute funds to the Renewable Energy Action Team (REAT).	Fluor			11/01/11	Complete	Complete
162	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	Submit a Management Plan for Compensation Lands.	Fluor	< 180d after acquisition		11/01/11	Complete	Complete
164	CEC	x			BIO-13	Raven Management Plan	Submit final Raven Management Plan.	Tetra Tech	> 30d pt construction		12/17/10	12/3/2010 1/4/11 1/8/11 1/10/11 2/8/11 2/15/11	Approved 3/2/11
165	CEC	x			BIO-13	Raven Management Plan	Post payment to the REAT Account for Regional Raven Management Program. Submit documentation of payment.	NextEra	< 10d pt Project-related gd		01/07/11	23-Dec-10	CEC Approval 10/11/11
169	CEC	x			BIO-14	Weed Management Plan	Submit final Weed Management Plan.	Alice Karl	> 10d pt Project-related gd		01/06/11	8/25/2010 resubmitted 1/5/11 1/11/11	Approved 1/10/11
171	CEC		x	x	BIO-14	Weed Management Plan	Implement the Weed Management Plan.	Alice Karl	Ongoing				
174	CEC	x	x		BIO-15	Pre-construction Nest Surveys and Avoidance Measures	If active nests are found, establish buffer and Nesting Bird Monitoring Plan (see BIO-8); map locations and submit report. Des. Bio or Monitor must monitor nest until nestlings fledge.	Thomas Darden	until fledged		After Feb 1	24-Feb-11	Complete
174	CEC	x	x		BIO-15	Pre-construction Nest Surveys and Avoidance Measures	If active nests are found, establish buffer and Nesting Bird Monitoring Plan (see BIO-8); map locations and submit report. Des. Bio or Monitor must monitor nest until nestlings fledge. PLANT SITE, PHASE II	Thomas Darden	until fledged		After Feb 1	24-Feb-11	Complete
175	CEC	x	x		BIO-15	Pre-construction Nest Surveys and Avoidance Measures	Conduct two pre-construction nest surveys. If construction is inactive for > 3 weeks, additional surveys may be required.	Thomas Darden	< 7d pt construction		02/01/11	24-Feb-11	Complete
176	CEC	x	x		BIO-15	Pre-construction Nest Surveys and Avoidance Measures	Submit letter report of nest survey results.	Thomas Darden	pt gd		04/22/11	24-Feb-11	Complete
177	CEC		x		BIO-15	Pre-construction Nest Surveys and Avoidance Measures	Avoid construction in buffer zones established for active bird nests as determined and flagged by Des Bio.	Thomas Darden	until fledged		04/22/11	24-Feb-11	Complete
179	CEC	x			BIO-16	Avian Protection Plan.	Submit a final Avian Protection Plan.	Tetra Tech	> 30d pt construction-related gd		12/17/10	12/6/2010 1/4/11	Approved 1/12/11
180	CEC		x	x	BIO-16	Avian Protection Plan.	Implement an Avian Protection Plan	Tetra Tech / Operations	Ongoing			Submitted Jan 2011.	Submitted Jan 2011.
185	CEC		x		BIO-17	American Badger and Desert Kit Fox Impact Avoidance & Minimization Measures	Submit a report of badger and kit fox survey results. Ph I	Nextera Energy	< 30d after survey complete		02/17/11	2/25/2011 3/28/11	CEC approval 4/15/11
185	CEC		x		BIO-17	American Badger and Desert Kit Fox Impact Avoidance & Minimization Measures	Submit a report of badger and kit fox survey results. Ph II	Nextera Energy	< 30d after survey complete		05/15/11		CEC approval 4/15/11
186	CEC		x		BIO-17	American Badger and Desert Kit Fox Impact Avoidance & Minimization Measures	Perform pre-construction surveys for badger and kit fox dens. Ph II	Thomas Darden	pt construction		03/15/11	Ongoing	
187	CEC	x			BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	If an active owl burrow is detected: Notify agencies that a relocation of owls is necessary.	Thomas Darden	> 10d after survey complete		04/15/11		N/A
190	CEC		x		BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	If an active owl burrow is detected: Provide a land management plan.	Tetra Tech	< 90d after acquisition				N/A
191	CEC		x		BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	Submit verification to agencies that compensation land or easements have been acquired.	Tetra Tech	< 18m after start of construction		07/09/12		Approved Wildlands 10/11/11
193	CEC		x		BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	If an active owl burrow is detected: Submit acquisition proposal and a PAR analysis.	AECOM	> 90d pt acquisition				N/A per Approved Wildlands/REAT 10/11/11
194	CEC	x			BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	Conduct pre-construction surveys for burrowing owls. Ph I	Tetra Tech	< 30d pt construction		01/16/11	Completed	Approved report 3/14/11
194	CEC	x			BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	Conduct pre-construction surveys for burrowing owls. Ph II	Tetra Tech	< 30d pt construction		04/01/11		Approved report 3/14/11
195	CEC	x	x		BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	If an active owl burrow is detected: Establish Non-Disturbance Buffer Fencing (250 radius). Provide documentation that fence has been installed. Phase II	Tetra Tech	> 10d pt construction-related gd		04/22/11		Approved Wildlands 10/11/11
195	CEC	x	x		BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	If an active owl burrow is detected: Establish Non-Disturbance Buffer Fencing (250 radius). Provide documentation that fence has been installed. Phase I	Tetra Tech	> 10d pt construction-related gd		01/06/11	NA	N/A
196	CEC	x	x		BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	If an active owl burrow is detected: Provide land/mitigation compensation security verification.	Tetra Tech	> 30d pt construction-related gd		12/17/10	23-Dec-10	Approved Wildlands 10/11/11
198	CEC	x			BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	If an active owl burrow is detected: Submit Burrowing Owl Relocation and Mitigation Plan.	Tetra Tech	< 30d after survey complete		12/17/10	11/26/2010 resubmitted 1/7/11	Approved 1/11/11
199	CEC	x			BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Rare Plant Surveys - Submit drawings and plans with ESAs and Section A Measures.	Tetra Tech	> 30d pt gd		12/17/10	3-Jan-11	Approved 1/12/11
200	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	If a Distribution Study is implemented as contingency mitigation, initiate study within 6 months from the start of construction.	Tetra Tech	< 6m after start of construction		07/15/11		N/A- Distribution Study not implemented
201	CEC	x			BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	If compensatory mitigation is required, post Security for acquisition and enhancement funds.	NextEra	> 30d pt gd		12/17/10	NA	NA
202	CEC	x			BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Rare Plant Surveys - Submit data, field forms and summary of results.	Tetra Tech	< 2w after survey complete			22-Oct-10	Approved 11/2/2010
205	CEC	x			BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Rare Plant Surveys - Submit the Final Summer-Fall Botanical Survey Report.	Tetra Tech	> 30d pt gd		12/17/10	N/A	NA

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Internal Due Date	Date Final Due	Date Submitted to Agency	Agency Status
206	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Habitat Enhancement: If proposed, secure approval of a Habitat Enhancement/Restoration Plan.	Tetra Tech	< 6m after start of construction		07/15/11		N/A No proposed Habitat Enhancement
207	CEC	x			BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Rare Plant Surveys - Submit draft Special-Status Plant Mitigation Plan.	Tetra Tech	> 30d pt gd		12/17/10	N/A	NA
209	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Compensatory Mitigation: Deposit the required funds and submit verification of deposit.	NextEra	> 30d after acquisition				Wildlands Approved 10/11/11
210	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Status and Distribution: Post funds for selected mitigation.	NextEra	< 18m after start of gd		07/09/12		Wildlands Approved 10/11/11
211	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Compensatory Mitigation: Submit a formal acquisition proposal and draft Management Plan.	Tetra Tech	> 90d pt acquisition				Wildlands Approved 10/11/11
213	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Compensatory Mitigation: Complete acquisition and submit verification.	Tetra Tech	< 18 m after start of gd.		07/09/12		N/A per CEC on 11/02/10
214	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Habitat Enhancement: initiate activities > 12m from the start of construction.	Tetra Tech	< 12m after start of construction		01/12/12		N/A No proposed Habitat Enhancement
215	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Compensatory Mitigation: Submit any agreements with an approved, delegated third party.	Tetra Tech	> 90d pt acquisition				N/A per CEC on 11/02/10
216	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Status and Distribution: If selected, initiate study <6m after gd.	Tetra Tech	< 180d after gd		07/15/11		N/A per CEC on 11/02/10
219	CEC	x			BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Assign a Designated Botanist.	Tetra Tech	none		none	9/27/2010 2/8/11	Approved 10/15/10
220	CEC	x			BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Include Special-Status Plant discussion in the Worker Environmental Awareness Program (WEAP).	Tetra Tech			12/17/10	12/3/2010 resubmitted 1/4/11	Approved 1/14/11
222	CEC	x			BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Establish and mark boundaries for ESAs PT start of any ground- or vegetation-disturbing activities.	Tetra Tech	pt gd		01/16/11	completed	NA
230	CEC	x			BIO-19-B	Section B: Special-Status Plant Impact Avoidance, Minimization and Compensation	If a special-status plant is found, record extent of population using GPS. Assess the extent of the species (qualitatively) within one mile of Project boundaries.	Karl, Darden	pt construction		01/16/11	NA	NA
231	CEC	x			BIO-19-B	Section B: Special-Status Plant Impact Avoidance, Minimization and Compensation	Prior to the start of surveys, all crew members must visit reference sites (where available)	Tetra Tech	pt plant survey			completed	
232	CEC	x			BIO-19-C	Section C: Special-Status Plant Impact Avoidance, Minimization and Compensation	Collect seeds from affected Special-Status Plants and arrange for long-term storage prior to construction.	Tetra Tech	pt construction		01/16/11	NA	NA
235	CEC	x			BIO-19-C	Section C: Special-Status Plant Impact Avoidance, Minimization and Compensation	Special-status plants: CNDDDB Rank plants -If detected within the Project Disturbance Area, prepare and implement a Mitigation Plan.	Tetra Tech	n/a		n/a	NA	NA
236	CEC	x			BIO-20	Sand Dunes / Mojave Fringe-Toed Lizard Mitigation	Post security for acquisitions and enhancement of MFTL habitat.	NextEra	> 30d pt construction-related gd		12/17/10	23-Dec-10	1/4/2011
237	CEC		x		BIO-20	Sand Dunes / Mojave Fringe-Toed Lizard Mitigation	Submit a MFTL Compensation Land Management Plan and associated funding.	Tetra Tech	< 180d after acquisition				Wildlands Approval 11/10/11
239	CEC		x		BIO-20	Sand Dunes / Mojave Fringe-Toed Lizard Mitigation	Submit a formal acquisition proposal and PAR analysis.	AECOM	> 90d pt acquisition				N/A per CEC on 11/02/10
240	CEC		x		BIO-20	Sand Dunes / Mojave Fringe-Toed Lizard Mitigation	Complete MFTL compensation land acquisition and submit verification.	Tetra Tech	< 18m after start of construction		07/09/12		Wildlands Approval 11/10/11
242	CEC		x		BIO-20	Sand Dunes / Mojave Fringe-Toed Lizard Mitigation	Provide funding for MFTL compensation lands OR deposit funds into NFWF's REAT Account.	NextEra					Wildlands Approval 11/10/11
250	CEC		x		BIO-21	Evaporation Pond Netting and Monitoring	Install a visual deterrent in addition to the mesh cover.	McCord					CEC Approval on 3/18/13
254	CEC		x		BIO-22	Mitigation for Impacts to State Waters	Submit a draft Management Plan for the drainages on the acquired compensation lands.	Tetra Tech / Fluor	< 180d after acquisition				Wildlands Approved 11/10/11
257	CEC	x			BIO-22	Mitigation for Impacts to State Waters	Notify agencies prior to disturbance and completion of work in jurisdictional waters.	Tetra Tech / Fluor	> 5d pt construction-related gd in state waters		01/10/11	3-Jan-11	NA
260	CEC		x		BIO-22	Mitigation for Impacts to State Waters	Transfer fee title or submit a conservation easement for compensation lands.	Genesis ECM					
261	CEC	x			BIO-22	Mitigation for Impacts to State Waters	Provide verification of Security 30d pt CR gd.	NextEra	> 30d pt construction-related gd		12/17/10	23-Dec-10	1/4/2011
262	CEC		x	x	BIO-22	Mitigation for Impacts to State Waters	Drainage BMPs: Minimize road building, construction activities and vegetation clearing within ephemeral drainages to the extent feasible. Do not allow water containing mud, silt, or other pollutants from grading, aggregate 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.	Genesis Project management/ECM	Ongoing				Wildlands Approved 11/10/11
263	CEC	x			BIO-22	Mitigation for Impacts to State Waters	Provide written verification (i.e., through incorporation into the BRMIMP) to the CPM that BMPs shall be implemented.	ECM	> 30d pt construction-related gd in state waters		01/11/11	23-Nov-10	NA

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265	CEC		x		BIO-22	Mitigation for Impacts to State Waters	Submit verification of acquisition.	McCord	< 18m after start of construction		07/09/12		
270	CEC	x			BIO-23	Decommissioning and Closure Plan	Post security for Decommissioning and Closure Plan.	NextEra	> 10d pt construction-related gd		01/06/11	4-Jan-11	Approved 1/11/11
273	CEC	x			BIO-23	Decommissioning and Closure Plan	Submit a draft Decommissioning and Closure Plan.	Worley Parsons	> 30d pt construction-related gd		12/17/10	25-Aug-10	Approved 10/15/2010
276	CEC	x			BIO-24	Revegetation of Temporarily Disturbed Areas	Submit to the CPM a final agency-approved Revegetation Plan.	Tetra Tech	> 30d pt construction-related gd		12/17/10	8/25/2010 resubmitted 12/29/10	Approved 1/12/11
280	CEC			x	BIO-27	Couch's Spadefoot Toad Impact Avoidance and Minimization Measures	Conduct Spadefoot Toad surveys. Submit findings	Alice Karl	Oct-10		10/30/10	25-Oct-10	N/A
280	CEC			x	BIO-27	Couch's Spadefoot Toad Impact Avoidance and Minimization Measures	If ponds are created, submit compliance documentation yearly.	Tetra Tech	Jan-31 Annually			n/a	N/A
282	CEC	x			BIO-27	Couch's Spadefoot Toad Impact Avoidance and Minimization Measures	Submit a final CST Protection and Mitigation Plan.	Tetra Tech	> 30d pt construction-related gd		12/17/10	11/20/2010 resubmitted 1/5/11 1/10/11	Approved 1/11/11
287	CEC		x		BIO-28	Golden Eagle Inventory and Monitoring	Submit results of eagle inventory.	Tetra Tech	< 30d of survey completion		06/30/11		
288	CEC	x			BIO-29	In-Lieu Mitigation Option	Notify CEC if an in-lieu fee is preferred for bio mitigation.	NextEra	pt construction-related gd		01/16/11	23-Dec-10	NA
289	CEC	x			CUL-1	prehistoric Trails Network Cultural Landscape (PTNCL) Documentation and Poss. NRHP Nomination	Submit notice of fund transfer.	NextEra	< 10d of transfer			27-Sep-10	Approved 10/15/10
290	CEC	x			CUL-1	PTNCL Documentation and Poss. NRHP Nomination	Contribute funds for the PTNCL Documentation and Possible NRHP Nomination program.	NextEra	upon receipt of invoice			27-Sep-10	Approved 10/15/10
291	CEC	x			CUL-2	Desert Training Center CAL-AZ Maneuver Area Cultural Landscape Documentation and Poss. NRHP Nomination	Submit notice of fund transfer.	NextEra	< 10d of transfer			27-Sep-10	Approved 10/15/10
292	CEC	x			CUL-2	Desert Training Center CAL-AZ Maneuver Area Cultural Landscape Documentation and Poss. NRHP Nomination	Contribute funds for the Documentation and Possible NRHP Nomination program (DTCCL)	NextEra	upon receipt of invoice			27-Sep-10	Approved 10/15/10
293	CEC	x			CUL-3	Cultural Resources Personnel	Assign a cultural resource specialist (CRS).	AECom	pt site mobilization		01/16/11	26-Aug-10	Approved 10/18/10
295	CEC	x			CUL-3	Cultural Resources Personnel	Obtain services of a specialist backhoe operator during excavation of CA-Riv-9072	AECom	NA		NA	5-Apr-12	
297	CEC	x			CUL-3	Cultural Resources Personnel	Submit resumes for a CRS, alternate CRS (optional), prehistoric archaeologist, ethnographer, historical archaeologist, project geochaeologist.	AECom	> 75d pt gd		11/02/10	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)
299	CEC	x	x		CUL-3	Cultural Resources Personnel	Submit confirmation of CR staff availability for CUL-8, 10, 11, 12 and 17.	AECom	10d pt data recovery		01/07/11	Completed with resume submittal	NA
301	CEC	x			CUL-3	Cultural Resources Personnel	Submit letter with names and quals of CR Monitors.	AECom	15d pt data recovery		01/02/11	10-Dec-10	Approved 1/13/11
301	CEC	x			CUL-3	Cultural Resources Personnel	Submit letter with names and quals of field crew members.	AECom	15d pt data recovery		01/02/11	NA	N/A
303	CEC	x	x		CUL-4	Project Documents for Cultural Resources Personnel	If construction is phased, submit maps and drawings. Provide phase schedule to CRS and CPM.	Jessica Auch	15d pt start of each phase		01/01/11	Completed with CIVIL-1	N/A
303	CEC	x	x		CUL-4	Project Documents for Cultural Resources Personnel	If construction is phased, submit maps and drawings. Provide phase schedule to CRS and CPM. Phase II	Jessica Auch	15d pt start of each phase		04/16/11		N/A
304	CEC	x			CUL-4	Project Documents for Cultural Resources Personnel	Submit CR data and maps to CR staff and CPM.	Jessica Auch	> 60d pt gd		11/17/10	1-Dec-10	Pending - addl info requested
305	CEC	x	x		CUL-4	Project Documents for Cultural Resources Personnel	Submit any changes in footprint.	Jessica Auch	15d pt gd		01/01/11	1/4/2011 3/18/11	Approved 3/30/11
307	CEC	x			CUL-5	Cultural Resources Monitoring and Mitigation Plan	Submit information from curation facility.	Jessica Auch	> 30d pt gd		12/17/10	12-Nov-10	NA
308	CEC	x			CUL-5	Cultural Resources Monitoring and Mitigation Plan	Submit letter agreement to fund curation fees.	Jessica Auch	> 20d pt gd		12/27/10	10-Dec-10	NA
309	CEC	x			CUL-5	Cultural Resources Monitoring and Mitigation Plan	Submit the CRMMP.	Jessica Auch	> 30d pt gd		03/01/11	3/1/2011 4/4/11	
313	CEC	x			CUL-7	Worker Environmental Awareness Program	CRS to submit training program.	Jessica Auch	> 30d pt gd		12/17/10	12/10/2010 resubmitted on 1/4/11	comments received 2/28/11
314	CEC	x			CUL-7	Worker Environmental Awareness Program	CRS to submit WEAP training acknowledgement form.	AECOM	> 15d pt gd		01/01/11		
317	CEC		x		CUL-8	Construction Monitoring Program	Geochaeologist to observe and sample all trenching of Tline as part of PTCNL documentation and possible NRHP nomination program (CUL-1).	AECOM	1-Aug-11				N/A per a memo from the CEC on 2/19/13.
326	CEC	x			CUL-8	Construction Monitoring Program	CPM to provide CRS with daily monitoring form.	AECOM	> 30d pt gd		12/17/10	26-Nov-10	NA
329	CEC	x			CUL-9	Authority to Halt Construction; Treatment of Discoveries	Submit confirmation that CRS and CR staff have stop-work authority and notification requirements.	Jessica Auch	> 30d pt gd		12/17/10	10-Dec-10	NA
332	CEC	x			CUL-10	WEAP - Cultural Considerations	Notify CPM that data recovery for small site has begun.	Jessica Auch	> 15d pt data recovery		01/01/11	21-Dec-10	NA
332	CEC	x			CUL-10	WEAP - Cultural Considerations	Notify CPM that data recovery for small site has begun.Phase II	Jessica Auch	> 15d pt data recovery		03/10/11	9-Mar-11	3/28/2011
338	CEC	x			CUL-11	Data Recovery for Large sites	Notify CPM of recovery at large sites.	AECOM	> 45d pt gd at site		12/02/10	21-Dec-10	NA
340	CEC		x		CUL-12	Surface Collection with Sampling for site CA-RIV-9073	Notify CMP of collection at CA-Riv-9072 is complete and PRIOR to CR gd in that location.	AECOM	< 7d pt gd at site		04/25/11		CEC notification on 8/05/11
341	CEC	x			CUL-12	Surface Collection with Sampling for site CA-RIV-9074	Notify CPM that collection at CA-Riv-9072 will commence.	Jessica Auch	> 15d pt data recovery		01/01/11	9-Mar-11	3/28/2011

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343	CEC	x			CUL-12	Surface Collection with Sampling for site CA-RIV-9076	Submit a preliminary letter report detailing finds at CA-Riv-9072. Can be included with report for CUL-11.	Jessica Auch					
346	CEC	x	x		CUL-13	Flag and Avoid	Flag buffer zone around sites CA-Riv-0260, CA-Riv-0663, and CA-Riv-9072.	AECOM	pt gd at site		05/01/11		N/A
347	CEC				CUL-14		DELETED	Jessica Auch					
348	CEC				CUL-15		DELETED	Jessica Auch					
349	CEC	x			CUL-16	Native American Assessment of Impacts and Mitigation Recommendations for Ethnographic Resources	Submit results of Native American consultation.	Jessica Auch	> 15d pt construction		01/01/11		
350	CEC	x			CUL-16	Native American Assessment of Impacts and Mitigation Recommendations for Ethnographic Resources	Notify CPM of consultation.	Jessica Auch	> 30d pt construction		12/17/10	12-Dec-10	NA
350	CEC	x			CUL-16	Native American Assessment of Impacts and Mitigation Recommendations for Ethnographic Resources	Documentation that security gate/guard is in place.	Jessica Auch	pt grading		05/01/11		
351	CEC	x			CUL-16	Native American Assessment of Impacts and Mitigation Recommendations for Ethnographic Resources	Consult with Native American representatives regarding to the McCoy Spring National Register Archaeological District and sites CA-Riv-0523, CA-Riv-3149, CA-Riv-4569, and CA-Riv-4699	Jessica Auch	pt construction		Ongoing through CEC specialist under CUL-1	Ongoing	
352	CEC	x			CUL-17	Historic Period Site Mapping and In-Field Artifact Analysis	Include in CRMMP a data recovery plan for the historic-period archaeological resources.	AECOM	pt gd		01/16/11	1-Mar-11	
353	CEC	x			CUL-17	Historic Period Site Mapping and In-Field Artifact Analysis	Submit to CPM letter report that data recovery is complete.	AECOM	< 7d of data recovery completion			2/1/2011 2/11/11	Approved 2/14/11
355	CEC	x	x		CUL-17	Historic Period Site Mapping and In-Field Artifact Analysis	Notify CPM that historic-period site mapping and in-field artifact analysis will commence.	AECOM	> 15d pt gd within 30m of site			17-Jan-11	
355	CEC	x	x		CUL-17	Historic Period Site Mapping and In-Field Artifact Analysis	Notify CPM that historic-period site mapping and in-field artifact analysis will commence, Ph II	AECOM	> 15d pt gd within 30m of site			9-Mar-11	3/28/2011
359	CEC		x		HAZ-2	Hazardous Materials Business Plan, Spill Prevention, Control and Countermeasure Plan, Process Safety Management Plan	Submit a final Process Safety Management Plan.	Fluor	> 60d pt receipt of hazmat	02/21/13	03/07/13		NOT REQUIRED PER THE CEC 1/28/13
359	CEC		x		HAZ-2	Hazardous Materials Business Plan, Spill Prevention, Control and Countermeasure Plan, Process Safety Management Plan	Submit a final Spill Prevention, Control, and Countermeasure Plan.	Mosley	> 60d pt receipt of hazmat	02/21/13	03/07/13		Approved by the CEC on 2/12/12
360	CEC		x		HAZ-3	Safety Management Plan for Hazardous Material	Submit a Safety Management Plan.	McCord	> 60d pt receipt of hazmat	02/25/13	03/11/13	3/08/13 to the CEC # 2013-013	Approved by the CEC on 5/2/13
361	CEC		x	x	HAZ-3	Safety Management Plan for Hazardous Material	Implement Safety Management Plan.	Operations	Ongoing				
362	CEC		x		HAZ-4	HTF pipe system isolation valves	Submit design drawings showing the number, location, and type of HTF isolation valves.	Fluor	> 30d pt const. of solar array		08/31/11		
363	CEC	x			HAZ-5	Construction Site Security Plan	Submit a Construction Security Plan Verification.	Fluor	> 30d pt construction		12/17/10	2-Dec-10	Approved 12/10/10
365	CEC		x		HAZ-6	Operations Site Security Plan	Submit a Operations Site Security Plan.	McCord	> 30d pt receipt of hazmat	03/23/13	04/06/13	3/15/2013 resubmitted 4/11/13	Approved by the CEC on 5/2/13
368	CEC	x			NOISE-1	Resident Notification- Pre-construction	Notify residents within 2 miles of the site and 0.5 mile of linears of start of construction. (Include phone # for noise complaints)	Fluor	> 15d pt gd		01/01/11	14-Jan-11	CEC Approval 1/19/11
369	CEC		x	x	NOISE-1	Resident Notification- Pre-construction	Maintain telephone number for noise complaints until facility is operational for one year.	Fluor / Operations	1yr				
370	CEC		x		NOISE-1	Resident Notification- Pre-construction	Post telephone number for noise complaints at the site during construction, visible to passersby.	Fluor	Ongoing				
371	CEC	x			NOISE-1	Resident Notification- Pre-construction	Submit statement and documentation of compliance to CPM.	Fluor	pt gd		01/16/11	14-Jan-11	
376	CEC	x			NOISE-3	Noise Control Program	Submit a Noise Control Program and a statement of commitment.	Fluor	> 30d pt gd		12/17/10	30-Nov-10	Approved 12/20/10
380	CEC	x			Soil & Water-1	Drainage Erosion and Sedimentation Control Plan	Submit final Drainage Erosion and Sedimentation Control Plan. Phase II	Fluor	> 30d pt site mobilization		04/02/11	Prelim 3/9/11 Draft 3/22/11	Approved 1/21/11
380	CEC	x			Soil & Water-1	Drainage Erosion and Sedimentation Control Plan	Submit final Drainage Erosion and Sedimentation Control Plan. PHASE I	Fluor	> 30d pt site mobilization		12/22/10	27-Dec-10	Approved 1/21/11
391	CEC	x			Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Send notices to all owners and conduct a well reconnaissance within 2 miles of the project.	Worley Parsons				completed	
398	CEC	x			Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Monitor wells, seeps and springs to establish preconstruction conditions.	Worley Parsons			12/17/10	completed	
399	CEC	x			Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Submit report of all pre-construction items, including calculations and assumptions.	Worley Parsons	> 30d pt construction		12/17/10		
401	CEC	x			Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Submit a Groundwater Level Monitoring and Reporting Plan to the CPM for review and approval.	Worley Parsons	> 30d pt construction		12/17/10	3-Dec-10	Approved 12/21/10
408	CEC	x	x		Soil & Water-4	Project GW Wells, Pre-Well Installation	Submit a copy of County concurrence that the proposed well construction activities comply with all county well requirements and the water well permit program	Fluor	> 30d pt construction of GW well		04/01/11		
409	CEC		x		Soil & Water-4	Project GW Wells, Pre-Well Installation	Submit documentation that drilling was conducted in compliance with 23 CCR, sections 2510 et seq.	Gavaldon	< 15d after GW well completion		07/16/11		Locating Approval
411	CEC		x		Soil & Water-4	Project GW Wells, Pre-Well Installation	Submit a Well Completion Report. Concurrently, submit a copy of well drilling logs, water quality analyses, and any inspection reports.	Gavaldon	< 60d after GW well construction		08/29/11		
412	CEC	x	x		Soil & Water-4	Project GW Wells, Pre-Well Installation	Submit to CPM a copy of the water well construction packet submitted to the County of Riverside.	Fluor	> 60d pt construction of GW well		03/02/11	31-Mar-11	
417	CEC	x			Soil & Water-5	Construction and Operation Water Use	Install and maintain metering devices as part of the water supply and distribution system (gpd and total). Submit compliance documentation.	Fluor	> 30d pt construction		12/17/10	31-Jan-11	
423	CEC	x			Soil & Water-8	Revised Project Drainage Report and Plans	Submit a Revised Project Drainage Report with the 30 percent Grading and Drainage Plans.	Fluor	> 60d pt site mobilization (plant)		04/02/11	Prelim 3/9/11 Draft 3/22/11	

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424	CEC		x		Soil & Water-9	Detailed FLO-2D Analysis	Submit a detailed FLO-2D analysis with the 30 percent Grading and Drainage Plans and revised Project Drainage Report.	Fluor	> 60d pt site mobilization (plant)		04/02/11	Prelim 3/9/11 Draft 3/22/11	
425	CEC		x		Soil & Water-10	Collector and Conveyance Channel Compliance with RCFWCWD	Submit two copies of the 30 percent channel design drawings.	Fluor	> 60d pt site mobilization (plant)		04/02/11	Prelim 3/9/11	
426	CEC		x		Soil & Water-11	Channel Erosion Protection	Incorporate channel erosion protection methods (except "I" ) in the Grading and Drainage Plans and all submittals required in SOIL&WATER-8 through SOIL&WATER-10.	Fluor	> 60d pt site mobilization (plant)		03/02/11	Prelim 3/9/11	
435	CEC	x			Soil & Water-14	Decommissioning and Closure Plan - Water and Wind Considerations	Submit Decommissioning Plans.	Worley Parsons	> 60d pt site mobilization		11/17/10	22-Oct-10	Approved 10/29/10
438	CEC	x			Soil & Water-15	Colorado River Flow Mitigation, Water Supply Plan	Submit a Water Supply Plan.	Jeff Harvey	> 30d pt GW extraction for const.		12/17/10	12/3/2010 resub. 2/1/11	Pending - Comments received 1/4/11
440	CEC	x			Soil & Water-17	Ground Subsidence Monitoring and Action Plan	Submit the Ground Subsidence Monitoring and Action Plan.	Worley Parsons	> 30d pt GW extraction for const.		12/17/10	8-Dec-10	Approved 12/23/10
446	CEC	x			Soil & Water-19	Estimation of Impacts to PVMGB	Submit a report detailing results of the PVMGB underflow depletion modeling effort.	Worley Parsons	< 30d pt site mobilization		03/15/11	19-Mar-11	
447	CEC	x			Soil & Water-20	Groundwater Quality Monitoring and Reporting Plan	Submit a Groundwater Quality Monitoring and Reporting Plan > 6 weeks pt start of construction.	Worley Parsons	> 45d pt construction		12/02/10	27-Oct-10	Approved 12/21/10
449	CEC	x			Soil & Water-20	Groundwater Quality Monitoring and Reporting Plan	Submit a Well Monitoring Installation and Groundwater Quality Network Report.	Worley Parsons	> 30d pt construction		12/17/10	3-Dec-10	Approved 12/21/10
450	CEC	x			Soil & Water-20	Groundwater Quality Monitoring and Reporting Plan	Commence groundwater quality monitoring prior to construction.	Worley Parsons	pt construction		12/18/10		CEC Approval 12/21/10
451	CEC	x			Soil & Water-20	Groundwater Quality Monitoring and Reporting Plan	Submit GW quality and level monitoring data.	Worley Parsons	> 30d pt GW extraction for const.		12/17/10	3-Dec-10	NA
452	CEC	x			TRANS-1	Traffic Control Plan	Submit copies of comment letters received from County and Caltrans and any associated changes to Traffic Plan.	Fluor	> 30d pt construction		12/17/10	16-Dec-10	NA
453	CEC	x			TRANS-1	Traffic Control Plan	Submit a Traffic Control Plan plus a copy of the transmittal letter to Caltran and County.	Fluor	> 60d pt gd		11/18/10	11/23/2010 resubmitted 1/6/11 1/14/11	Approved 1/17/11
453	CEC	x			TRANS-1	Traffic Control Plan	Submit a Traffic Control Plan plus a copy of the transmittal letter to Caltran and County, Phase II	Fluor	> 60d pt gd		03/02/11		
463	CEC	x			TRANS-5	Restoration of Public Roads, Easements, and ROWs	Submit photographs or video of all affected public roads, easements and ROWs.	Fluor	> 30d pt site mobilization		12/17/10	21-Dec-10	NA
464	CEC	x			TRANS-5	Restoration of Public Roads, Easements, and ROWs	Notify the County and Caltrans of schedule for construction.	Fluor	pt site mobilization		01/16/11	Completed 1/24/11	NA
469	CEC		x		TLSN-1	Compliance with Cal Pub Utility Commissions (Tline)	Submit letter signed by CA registered electrical engineer affirming the Tlines will be constructed in accordance with the stated requirements.	Fluor	> 30d pt construction of Tline		06/24/12		CEC Approval 1/16/13
476	CEC	x	x		VIS-1	Surface Treatment of Non-Mirror Project Structures and Buildings	Submit a Surface Treatment Plan.	Fluor	> 30d pt ordering		06/30/11		
494	CEC	x			VIS-5	Visual Mitigation and Re-vegetation of Staging Area	Meet with CPM to discuss how staging area site plan will minimize visibility from rest area.	Fluor	> 90d pt construction		10/18/10	12/28/2010 1/14/11	Approved 1.17.11
495	CEC	x			VIS-6	Reduction of Form, Line and Texture Contrast	Meet with the CPM to discuss incorporation of visual contrast reduction into the design plans.	Fluor	> 90d pt construction		10/18/10	12-Oct-10	Approved 10/25/10
497	CEC	x			WASTE-2	PE or PG - Staff Assignment	Submit resume for a PE or PG.	NextEra	> 30d pt site mobilization		12/17/10	4-Nov-10	Approved 11/30/10
500	CEC	x			WASTE-4	Construction Waste Management Plan	Submit a Construction Waste Management Plan.	Fluor	> 30d pt construction		12/17/10	2-Dec-10	Approved 12/16/10
501	CEC	x			WASTE-5	UXO Identification, Training and Reporting Plan	Submit a UXO Identification, Training and Reporting Plan.	Tetra Tech	> 30d pt construction		12/17/10	2-Dec-10	Approved 12/21/10
515	CEC	x			Worker Safety-1	Project Construction Safety and Health Program	Submit the Construction Emergency Action Plan and the Fire Prevention Plan to Riverside County Fire Department for review and comment prior to CPM submittal.	Fluor/Tomey Pouncy	pt CPM submittal		12/03/10	completed	Approved 1/14/11
516	CEC	x			Worker Safety-1	Project Construction Safety and Health Program	Submit the Project Construction Safety and Health Program, to include Personal Protective Equipment Program; Exposure Monitoring Program; Injury and Illness Prevention Program; Heat Stress Protection Plan; Emergency Action Plan; and a Construction Fire Prevention Plan.	Fluor	> 30d pt construction		12/17/10	12/16/2010 1/13/11	Approved 1/14/11
517	CEC		x	x	Worker Safety-2	Project Operations Safety and Health Program	Submit a Project Operations and Maintenance Safety and Health Program to include: Injury and Illness Prevention Plan; Operation Heat Stress Protection Plan; BMPs for the storage and application of herbicides; Emergency Action Plan; Hazardous Materials Management Program; Fire Prevention Plan; and Personal Protective Equipment Program.	Mosley	> 30d pt first fire or commissioning				CEC Approval on 5/02/13
519	CEC	x			Worker Safety-3	Construction Safety Supervisor - Staff Assignment	Submit name and contact information for the Construction Safety Supervisor (CSS).	Fluor	> 30d pt site mobilization		12/17/10	11/16/2010 1/11/10 1/18/11 4/4/11	CEC Approval 4/15/11
520	CEC	x	x		Worker Safety-4	Construction Safety Supervisor - Staff Assignment	CSS to include compliance documentation in Monthly Compliance Report.	Fluor	Monthly				
521	CEC	x			Worker Safety-4	CBO Payments	Submit verification of agreement with CBO for a Safety Monitor to CPM.	NextEra	> 60d pt construction		11/17/10	3-Nov-10	CEC Approval 1/19/11
522	CEC	x			Worker Safety-4	CBO Payments	Post payment to CBO for a Safety Monitor.	NextEra	TBD w CBO		01/01/11	14-Jan-11	CEC Approval 7/19/11
523	CEC		x	x	Worker Safety-5	Automatic External Defibrillator onsite	Install a portable automatic external defibrillator (AED) on site during construction and operations.	Fluor / Operations	Ongoing		05/01/11		
524	CEC	x	x	x	Worker Safety-5	Automatic External Defibrillator onsite	Conduct AED training program in accordance with CPM-approved program.	Fluor / Operations	Ongoing		05/01/11		
525	CEC	x			Worker Safety-5	Automatic External Defibrillator onsite	Submit verification that AED exists onsite and the training and maintenance program.	Fluor	> 60d pt site mobilization		11/17/10	3-Nov-10	Approved 1.14.11
526	CEC		x		Worker Safety-6	Emergency Access Gate, Spur Road	Submit to the RCFD and CPM preliminary plans of location and details for a second access gate to the site.	Fluor	> 60d pt site mobilization (plant)		03/02/11		RCFD Approved 5/16/11
527	CEC		x		Worker Safety-6	Emergency Access Gate, Spur Road	Submit revised and final plans for second access gate. Include letter or statement regarding comments from RCFD.	Fluor	> 30d pt site mobilization (plant)		04/01/11		

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528	CEC		x		Worker Safety-6	Emergency Access Gate, Spur Road	Submit verification that all-terrain fire engines have been delivered and acceptable to RCFD. (see text for alternative measures requirements)	Fluor/McCord	> 180d pt receipt of HTF		11/06/12		CEC/RCFD Agreement to satisfy on 12/28/12
529	CEC	x			Worker Safety-7	Riv Co Fire Department, Capital and Operating Costs Funding	Submit either: agreement with the RCFD re funding for capital costs for fire protection/response OR documentation that a letter of credit has been provided to the RCFD and will continue annually.	NextEra	> 30d pt site mobilization		12/17/10	12/21/2010 1/12/11	CEC temp Approval 11/16/12
531	CEC	x			Worker Safety-8	Dust Control Plan	Submit Dust Control Plan.	Fluor w/ Tt support	> 60d pt site mobilization		11/17/10	1-Nov-10	Approved 1/13/11
539	CEC	x			GEN-2	Facility Design Submittals to CBO and CPM	Submit a schedule of facility design submittals, and master drawing and master specifications lists before submitting the initial engineering designs for CBO review.	Fluor	< 60d pt grading		11/17/10	17-Nov-10	Approved 12.20.10
542	CEC	x			GEN-4	Resident Engineer - Staff Assignment	Assign a California- registered architect, or a structural or civil engineer, as the resident engineer (RE) in charge of the project.	Fluor	> 30d pt grading		12/17/10	14-Jan-11	CEC Approved 1/19/11
543	CEC	x			GEN-4	Resident Engineer - Staff Assignment	Notify the CPM of the CBO's approvals of the RE and other delegated engineer(s).	Fluor	< 5d of approval		12/08/10	30-Dec-10	Approved 1/19/11
544	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment	Submit resume of the soils (geotechnical) engineer.	Fluor	> 30d pt grading		12/17/10	1-Dec-10	Approved
545	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment	Notify CPM of CBO approval of soils (geotechnical) engineer.	Fluor	< 5d of approval		12/08/10	30-Dec-10	NA
546	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment	Submit resume of the civil engineer.	Fluor	> 30d pt grading		12/17/10	1-Dec-10	Approved
547	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment	Submit resume of the mechanical engineer .	Fluor	> 30d pt construction		12/17/10	1-Dec-10	Approved
548	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment	Submit resume of the engineering geologist.	Fluor	> 30d pt grading		12/17/10	1-Dec-10	Approved
549	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment	Notify CPM of CBO approval of civil eng assignment.	Fluor	< 5d of approval		12/08/10	21-Dec-10	NA
550	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment	Notify CPM of CBO approval of mech eng assignment.	Fluor	< 5d of approval		12/08/10	21-Dec-10	NA
551	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment	Notify CPM of CBO approval of eng. geologist assignment.	Fluor	< 5d of approval		12/08/10	21-Dec-10	NA
557	CEC		x		GEN-6	Special Inspector(s) - Staff Assignment	Submit resumes of special inspector(s).	Fluor	> 15d pt activity			25-Feb-11	approved by CBO 1/25/11
566	CEC	x	x		CIVIL-1	CBO Submittals- Drainage and Grading, Statement of Submittal	Submit to the CBO: (Ph I) 1. Design of the proposed drainage structures and the grading plan; 2. An erosion and sedimentation control plan; 3. Related calculations and specifications; 4. Soils, geotechnical, or foundation investigations reports.	Fluor	> 15d pt grading		12/22/10	23-Dec-10	Approved 1/21/11 no phasing
566	CEC	x	x		CIVIL-1	CBO Submittals- Drainage and Grading, Statement of Submittal	Submit to the CBO: (PH II) 1. Design of the proposed drainage structures and the grading plan; 2. An erosion and sedimentation control plan; 3. Related calculations and specifications; 4. Soils, geotechnical, or foundation investigations reports.	Fluor	> 15d pt grading		04/16/11		Approved 1/21/11 no phasing
577	CEC		x		STRUC-1	CBO Submittals - Major Structure or Facility design Component, Statement of Submittal	approval of the final grading plans (including final changes) for the	McCord	> 60d pt start of construction listed GEN-2.		03/02/11		Approved by the CEC on 12/20/10
605	CEC	x			PAL-1	Paleontological Resource Specialist - Staff Designation	Submit resume of Paleo Resource Monitors.	Tetra Tech	> 20d pt gd		04/11/11		
606	CEC	x			PAL-1	Paleontological Resource Specialist - Staff Designation	Submit resume of the Paleo Resource Specialist (PRS).	Tetra Tech	> 60d pt gd		11/17/10	2-Sep-10	Approved 10/25/10
607	CEC	x			PAL-2	PRS Submittal - Stie Drawings Showing Disturbance Areas	Submit maps and drawings showing the footprint of the power plants, construction lay down areas, and all related facilities.	Fluor	> 30d pt gd		12/17/10	4-Jan-11	NA
611	CEC	x	x		PAL-2	PRS Submittal - Stie Drawings Showing Disturbance Areas	Submit schedule of construction phases before work commences on affected power plants.	Fluor	pt start of const on affected power plants		05/01/11	4-Jan-11	NA
612	CEC	x	x		PAL-2	PRS Submittal - Stie Drawings Showing Disturbance Areas	If the footprint of the project or its linear facilities change, provide maps and drawings reflecting those changes.	Fluor	> 15d pt gd		01/01/11	1/4/2011 3/8/11	Approved 3/17/11
614	CEC	x			PAL-3	Paleontological Resources Monitoring and Mitigation Plan	If PRS determines that paleontological materials could be impacted, PRS to submit a paleontological resources monitoring and mitigation plan (PRMMP).	Tetra Tech	> 30d pt gd		12/17/10	3-Dec-10	Approved 12/21/10
618	CEC	x			PAL-4	Paleontological WEAP	Include paleo resources in the WEAP.	Tetra Tech	> 30d pt gd		12/17/10	14-Dec-10	Approved 1/4/2011
619	CEC	x			PAL-4	Paleontological WEAP	Submit script and final video of paleo training.	Tetra Tech	> 30d pt gd		12/17/10	14-Dec-10	Approved 1/4/2011
627	CEC	x			TSE-1	CBO and CPM submittal - Schedule of design submittals (Master Drawing List, Master Spec List, Major Equip and Structure List)	Submit the schedule, a Master Drawing List, and a Master Specifications List.	Watson	pt construction		07/24/12		See GEN-2 Approved by CEC 12/8/10
638	CEC		x		TSE-6	CBO Submittal - TSE-5 Change Requests	Notify the CBO and the CPM of any impending changes that may not conform to requirements of TSE-5 and request approval to implement such changes pt to the construction of transmission facilities.	Watson	pt const of Tline		07/24/12		
648	CEC	x			COMPLIANCE-4	Pre-con Matrix and tasks	Submit a pre-construction matrix identifying only those conditions that must be fulfilled before the start of construction.	Tetra Tech / Fluor	pt construction		01/16/11	5-Nov-10	Locating Approval
650	CEC	x	x		COMPLIANCE-6	Monthly Compliance Report and Key Events List	Submit Monthly Compliance Reports. Include an initial list of dates for each of the events identified on the Key Events List.	Gavaldon	1st MCR		Monthly	12/7/2010 1/12/11	
653	CEC	x			COMPLIANCE-9	Complaints, Notices and Citations	Send a letter to property owners living < 1 mile of the project notifying them of a telephone number to contact project representatives with questions, complaints, or concerns.	NextEra	pt construction		01/16/11		Approved 1/19/11
65	CEC		x		AQ-28	Elapsed Operating Time Meter - 1341 HP generators	Install a non-resettable hour meter on the unit to indicate elapsed engine operating time. Submit to District and CPM the specifications of the hour meter.	McCord	> 30d pt installation			1-Mar-12	Approved by the MDAQMD, CEC Approval on 6/03/13

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78	CEC		x		AQ-37	Elapsed Operating Time Meter - 315 HP fire pump engines	Install a non-resettable hour meter on this unit to indicate elapsed engine operating time. Provide the District and the CPM the specification of the hour timer.	McCord	> 30d pt installation			1-Mar-12	Approved by the MDAQMD, CEC Approval on 6/03/13
36	CEC		x		AQ-12	HTF Ullage/Exp. Tanks- Inspection, Maintenance and Monitoring Plan	Establish an HTF Piping and Exp Tank Inspection and Maintenance Program. Provide documentation to District staff upon request.	Operations	> 30d pt taking delivery of the HTF	03/22/13	04/05/13	04/11/13 to the CEC # 2013-022	Awaiting Approval from the CEC
38	CEC		x		AQ-12	HTF Ullage/Exp. Tanks- Inspection, Maintenance and Monitoring Plan	Submit to CPM an HTF Ullage/Exp. Tanks - Inspection, Maintenance and Monitoring Plan for review.	Operations	> 30d pt taking delivery of the HTF	03/15/13	04/05/13	04/11/13 to the CEC # 2013-022	Awaiting Approval from the CEC
359	CEC		x		HAZ-2	Hazardous Materials Business Plan, Spill Prevention, Control and Countermeasure Plan, Process Safety Management Plan	Submit a final Hazardous Materials Business Plan.	McCord	> 60d pt receipt of hazmat	02/25/13	03/11/13	walked in to the County by J.Wellman on 3/11/13 #2013-015 comments received by the RCEHD to resubmit to the CEC	Approved by the CEC on 5/10/13. Waiting on OPS to incorporate comments from the RCEHD to resubmit to the CEC
367	CEC		x		Public Health-1	Cooling Water Management Plan	Submit a Cooling Water Management Plan.	McCord	> 60d pt cooling tower operation			3/15/13 CL # 2013-016	Comments received from the CEC. Awaiting OPS changes for resubmittal
432	CEC		x		Soil & Water-13	Channel Maintenance Program	Submit two copies a Channel Maintenance Program.	Gavaldon	> 60d pt start of project related activity		03/02/11		Working with CEC to revise and finalize CMP
434	CEC	x			Soil & Water-13	Channel Maintenance Program	Submit written commitment to adopt and implement the Program.	Operations	> 60d pt start of project related activity		03/02/11		Working with CEC to revise and finalize CMP
518	CEC		x		Worker Safety-2	Project Operations Safety and Health Program	Submit The Operations Fire Prevention Plan and the Emergency Action Plan to Riverside County Fire Department for review and comment.	Mosley	pt CPM submittal				Approved Verbally by Eric Veerkamp. Waiting on Written approval
585	CEC		x		STRUC-4	2007 CBC Compliance for Toxic or HAZMAT	Submit to the CBO final design plans for tanks or vessels.	McCord	> 30d pt installation				Submitted to the CBO
594	CEC		x		MECH-2	CBO and Cal-OSHA Submittal - Pressure Vessel	Submit vendor certification for prefabricated vessels and tanks and Engineers verification that plans conform with ASME Code. Submit copy of transmittal letter to CPM.	McCord	> 30d pt installation				Request for Phases, CBO
596	CEC		x		MECH-2	CBO and Cal-OSHA Submittal - Pressure Vessel	Request CBO and/or Cal-OSHA inspection of pressure vessel upon completion of installation.	McCord	upon installation				Request for Phases, CBO
597	CEC		x		MECH-2	CBO and Cal-OSHA Submittal - Pressure Vessel	Ensure that all boilers and pressure vessels are designed, fabricated, and installed in accordance with ASME Code.	BV	Ongoing				Request for Phases, CBO
14	CEC			x	AQ-SC7	Dust Control Plan - Operations	Submit Operations Dust Control Plan.	Operations	30 days prior to operation			Submitted to the CEC on 5/17/13 CL# 2013-029	Awaiting Approval from the CEC
74	CEC		x		AQ-34	NSPS Compliance -341 HP generators	Submit the engine specifications regarding NSPS and ARB ATCM emission limit requirements.	Fluor	> 30d pt purchase		06/30/11	Submitted approval from the MDAQMD to the CEC on 6/04/13 CL# 2013-031	Awaiting Approval from the CEC
84	CEC		x		AQ-41	NSPS Compliance - 315 HP fire pump engines	Submit the engine specifications demonstrating compliance with NSPS and ARB ATCM emission limit requirements.	Fluor	> 30d pt purchase		06/30/11	Submitted approval from the MDAQMD to the CEC on 6/04/13 CL# 2013-031	Awaiting Approval from the CEC
85	CEC		x	x	AQ-42	Gas tank and pump - toll free number	Post the required toll-free number on the equipment.	Gavaldon	Ongoing			submitted photo to the CEC on 6/4/13	Awaiting Approval from the CEC
35	CEC		x		AQ-11	HTF Ullage/Exp. Tanks - Inspection, Maintenance and Monitoring Plan	Submit an HTF Ullage/Exp. Tanks vent release Inspection, Maintenance and Monitoring Plan.	Operations	> 30d pt taking delivery of the HTF	03/23/13	04/06/13		
41	CEC		x		AQ-13	HTF Ullage/Exp. Tanks - Compliance Testing Plan and Reporting	Notify <b>District</b> and <b>CPM</b> prior to testing.	Operations	10d prior to test	04/10/13	04/15/13		
42	CEC		x		AQ-13	HTF Ullage/Exp. Tanks - Compliance Testing Plan and Reporting	Provide a written test plan for District for approval and the <b>CPM</b> for review.	Operations	30d prior to test	03/12/13	03/26/13		
88	CEC		x	x	AQ-44	Gas tank and pump - piping or vapor recovery modifications	Submit any modification to the piping or control fitting of the vapor recovery system for review and approval.	McCord	Ongoing				
89	CEC		x	x	AQ-45	Gas tank and pump - Vapor vent piping	Equip the vapor vent pipes with Husky 5885 pressure relief valves or as otherwise allowed by EO.	McCord	Ongoing				
91	CEC			x	AQ-46	Gas tank and pump - initial and annual testing	Submit results of pressure checks.	Operations	< 30d after test				
92	CEC			x	AQ-46	Gas tank and pump - initial and annual testing	Perform pressure, leak and liquid removal tests within 60 days of construction completion. Document test data on a Form similar to EO VR-401-A Form 1	Air Subcontractor	Annually				
94	CEC		x		AQ-46	Gas tank and pump - initial and annual testing	Notify District pt testing. (initial and annual)	Gavaldon	> 10d prior to test				
510	CEC		x		WASTE-9	Operation Waste Management Plan	Submit any required revisions of Ops Waste Plan.	Operations	< 20d of notification from CPM				working with Ops for edits

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632	CEC		x		TSE-4	CBO Submittal - Power Plant Switchyard, Outlet Line and Termination Design Plans	Submit to the CBO the final design plans, etc for the power plant switchyard, and outlet line and termination, include statement from the electrical engineer verifying compliance with all applicable LORS.	McCord	pt start of each increment of construction				
93	CEC			x	AQ-46	Gas tank and pump - initial and annual testing	Make test results available to CPM upon request.	Operations	Ongoing				
96	CEC		x	x	AQ-47	Gas tank and pump - aboveground tank and vapor recovery system compliance	Install and maintain aboveground storage tank and vapor recovery system in compliance with California Health and Safety Code.	Construction	Ongoing				
95	CEC			x	AQ-46	Gas tank and pump - initial and annual testing	Submit passing test reports to District.	Operations	< 6w pt expiration of permit				
5	CEC		x		AQ-SC3	Construction Fugitive Dust Control; AQCOMM monthly reporting -	AQCOMM to submit compliance documentation to the CPM in each Monthly Compliance Report.	Gavaldon	MCR				
7	CEC		x		AQ-SC4	Dust Plume Response Requirement	Submit information on dust plume observations, response, and list of equipment onsite in Monthly Report.	Gavaldon	MCR		Monthly	Ongoing	
9	CEC		x		AQ-SC5	Diesel engine emissions - monitoring and reporting	Implement Diesel-Fueled Engine Control	ECM	MCR		01/17/11		
9	CEC		x		AQ-SC5	Diesel engine emissions - monitoring and reporting	Submit compliance documentation in Monthly Compliance Report.	ECM	MCR		Monthly	Ongoing	
102	CEC		x		BIO-2	Designated Biologist - responsibilities	Include documentation of biological resource compliance in the Monthly Compliance Reports.	Gavaldon	MCR		Monthly		
110	CEC		x		BIO-4	Biological Monitors - responsibilities	Include BIO-4 compliance documentation in Monthly Compliance Report.	Gavaldon	Monthly		Monthly		
115	CEC		x		BIO-6	Worker Environmental Awareness Program (WEAP)	Submit training records in the Monthly Compliance Report.	Gavaldon	Monthly				
124	CEC	x	x		BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Include BIO-7 compliance documentation in Monthly Compliance Report.	Gavaldon	MCR				
130	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	Include BIO-8 compliance documentation in Monthly Compliance Report.	Gavaldon	MCR		Monthly		
192	CEC	x	x		BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	Submit burrowing owl compliance documentation in monthly compliance report.	Gavaldon	MCR				
212	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Submit compliance documentation of special-status plant avoidance and minimization measures in the Monthly Compliance Reports.	Gavaldon	MCR		Monthly	n/a	
258	CEC		x		BIO-22	Mitigation for Impacts to State Waters	Include a discussion of work in waters of the state in Monthly Compliance Reports.	AECOM	Monthly, a section on the monthly report addresses this issue.		Monthly		
315	CEC		x		CUL-7	Worker Environmental Awareness Program	Submit all new WEAP acknowledgement forms and a running tally of trained employees in monthly compliance report.	Gavaldon	Monthly		Monthly		
323	CEC		x		CUL-8	Construction Monitoring Program	Include report of any NCRs in monthly compliance report.	Gavaldon	MCR				
346	CEC	x	x		CUL-13	Flag and Avoid	Inspect flagged buffer zone around sites CA-Riv-0260, CA-Riv-0663, and CA-Riv-9072 monthly. Submit compliance documentation in the Monthly Compliance Report.	Gavaldon	Monthly		01/16/11		
381	CEC	x	x		Soil & Water-1	Drainage Erosion and Sedimentation Control Plan	Submit compliance documentation in the Monthly Compliance Report.	Gavaldon	MCR				
456	CEC	x			TRANS-2	Vehicle Weight Limits	Obtain necessary overweight/oversized and other transportation permits required by Caltrans and the County. Report receipt of permits in Monthly Report.	Gavaldon	MCR		05/01/11		
457	CEC	x	x		TRANS-3	Public ROW Encroachment	Obtain necessary encroachment permits from Caltrans and all relevant jurisdictions. Report receipt of permits in Monthly Report.	Gavaldon	MCR		01/16/11		
462	CEC	x	x		TRANS-4	Hazmat Transport Permits/Licenses	Obtain necessary hazardous material transport permits from Caltrans and all relevant jurisdictions. Report receipt in Monthly Report.	Gavaldon	MCR		05/01/11		
503	CEC		x	x	WASTE-6	Haz Waste Generator Identification Number	Submit documentation of any new or revised hazardous waste generation notifications in the following Monthly Compliance Report.	Gavaldon	Monthly		Monthly		
538	CEC	x	x		GEN-2	Facility Design Submittals to CBO and CPM	Include updated schedule of facility design submittals, and master drawing and master specifications in the Monthly Compliance Report.	Gavaldon	MCR		12/04/10	17-Nov-10	NA
541	CEC	x	x	x	GEN-3	CBO Payments	Submit a copy of the CBO's receipt of payment to the CPM in the next monthly compliance report indicating that applicable fees have been paid.	Gavaldon	< 30d Monthly		01/05/11		
552	CEC		x		GEN-6	Special Inspector(s) - Staff Assignment	Include a copy of the CBO's approval of the qualifications of all special inspectors in the next monthly compliance report.	Gavaldon	MCR				
558	CEC		x		GEN-7	Facility Design Discrepancy Documentation	Submit a copy of the CBO's approval of corrective action taken to resolve a discrepancy in the next monthly compliance report.	Gavaldon	MCR		Monthly		
563	CEC		x		GEN-8	As-builts, CBO Notification of Completion and Compliance	Submit a copy of statement of work completed to the CPM in the next monthly compliance report.	Gavaldon	Monthly				
567	CEC	x			CIVIL-1	CBO Submittals- Drainage and Grading, Statement of Submittal	Include CBO approval in following monthly compliance report.	Gavaldon	< 30d after approval				
571	CEC		x		CIVIL-3	CBO Inspection of 2007 CBC Compliance	Include a list of NCRs in the following Monthly Compliance Report.	Gavaldon	MCR		Monthly		
574	CEC		x		CIVIL-4	Final Grading Plans - CBO submittal	Submit a copy of the CBO's approval of grading plans to the CPM in the next monthly compliance report.	Gavaldon	< 30d after approval				
584	CEC	x	x		STRUC-3	CBO Submittal - Design Changes, Revised Drawings, Specs, Calcs	Notify the CPM, via the monthly compliance report, when the CBO has approved the revised plans.	Gavaldon	< 30d of approval				
586	CEC	x	x		STRUC-4	2007 CBC Compliance for Toxic or HAZMAT	Include copies of the CBO approvals of plan checks to the CPM in the following monthly compliance report.	Gavaldon	MCR				
587	CEC		x		STRUC-4	2007 CBC Compliance for Toxic or HAZMAT	Include a copy of the CBO's inspection approvals to the CPM in the monthly compliance report following completion of any inspection.	Gavaldon	< 30d following inspection				
590	CEC		x		MECH-1	CBO Submittal -Plan Piping and Plumbing System, Final design specs and calcs	The project owner shall transmit to the CPM, in the monthly compliance report following completion of any inspection, a copy of the transmittal letter conveying the CBO's inspection approvals.	Gavaldon	MCR		Monthly		
591	CEC		x		MECH-1	CBO Submittal -Plan Piping and Plumbing System, Final design specs and calcs	Include a copy of transmittal letter to CBO in following monthly compliance report.	Gavaldon	< 30d of submittal				
595	CEC		x		MECH-2	CBO and Cal-OSHA Submittal - Pressure Vessel	Include CBOs inspection approval in the monthly compliance report following any inspection.	Gavaldon					

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Internal Due Date	Date Final Due	Date Submitted to Agency	Agency Status
602	CEC		x		ELEC-1	CBO Submittal - Electrical Equipment and Systems	Include in the monthly compliance report: 1. Receipt or delay of major electrical equipment; 2. Testing or energization of major electrical equipment; and 3. A signed statement by the registered electrical engineer certifying that the proposed final design plans and specifications conform to requirements set forth in the Energy Commission decision.	Gavaldon	MCR		Monthly		
616	CEC		x		PAL-4	Paleontological WEAP	Submit Paleo training documentation in Monthly Compliance Report.	Gavaldon	MCR		Monthly		
620	CEC		x		PAL-5	PRS Monitoring and Stop Work Authority	Include summary of paleo monitoring activities and finds in the Monthly Compliance Report.	Gavaldon	MCR		Monthly		
628	CEC	x			TSE-1	CBO and CPM submittal - Schedule of design submittals (Master Drawing List, Master Spec List, Major Equip and Structure List)	Include TSE schedule updates in the Monthly Compliance Report.	Gavaldon	MCR				
633	CEC		x		TSE-4	CBO Submittal - Power Plant Switchyard, Outlet Line and Termination Design Plans	Submit a copy of the transmittal letter of final design plans to CBO in the next monthly compliance report.	Gavaldon	MCR				
636	CEC		x		TSE-4	CBO Submittal - Power Plant Switchyard, Outlet Line and Termination Design Plans	Include in the monthly compliance report: a) receipt or delay of major electrical equipment; b) testing or energization of major electrical equipment; and c) the number of electrical drawings approved, submitted for approval, and still to be submitted.	Gavaldon	MCR		Monthly		
649	CEC	x			COMPLIANCE-5	Compliance Matrix	Submit a compliance matrix with each monthly and annual compliance report	Gavaldon	MCR			7-Dec-10	
637	CEC		x		TSE-5	CBO Submittal - Tline Design Drawings, Specs and Calca	Submit to the CBO : a) Design drawings for the poles/towers, foundations, anchor bolts, conductors, grounding systems, and major switchyard 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.	Watson	pt const of Tline		07/24/12	Submitted to the CBO	verifying all items were submitted
6	CEC		x		AQ-SC3	Construction Fugitive Dust Control; AQCOMM monthly reporting -	Implement Dust Control BMPs	Arneson			01/17/11		
6	CEC		x		AQ-SC3	Construction Fugitive Dust Control; AQCOMM monthly reporting -	Stabilize all disturbed areas after construction activities.	Arneson	Construction Completion		07/01/14		
7	CEC		x		AQ-SC4	Dust Plume Response Requirement		Arneson			01/17/11		
8	CEC		x		AQ-SC4	Dust Plume Response Requirement	Monitor all construction activities for visible dust plumes. If plumes observed, implement mitigation as specified.	Arneson	Ongoing				
10	CEC		x		AQ-SC5	Diesel engine emissions - monitoring and reporting	AQCOMM 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)	Arneson	Ongoing		Monthly	Ongoing	
11	CEC			x	AQ-SC6	Fleet Plan for operations vehicles	Update Fleet Plan every other year. Submit the Fleet Plan with Annual Report.	Operations	Bi-Annually		Annual		
16	CEC	x	x	x	AQ-SC8	Air permit submittals	Submit all modified or revised ATC/PTO documents and all federal air permits.	Gavaldon	< 15d of receipt			02/11/13 renewed	
18	CEC			x	AQ-1	Equipment Operation, Application Requirements - NG boilers	Operate NG boilers in compliance with all data and specifications submitted with application.	Operations	Ongoing				
19	CEC			x	AQ-2	Equipment fuel Use, Manufacturer Specifications - NG boilers	Fuel equipment only with NG. Operate and maintain in accordance with manufacturer recommendations.	Operations	Ongoing				
20	CEC			x	AQ-3	Emissions limits, reporting - NG boilers	Emissions shall not exceed the following hourly emission limits (see full text)	Operations	Ongoing				
21	CEC			x	AQ-3	Emissions limits, reporting - NG boilers	Submit emissions compliance documentation in Annual Compliance Report.	Operations	Annually				
22	CEC			x	AQ-4	Maintenance and Operations Log - NG boilers	Maintain an operations log on-site and current for a minimum of five (5) years.	Operations	Ongoing, 5 yrs				
23	CEC			x	AQ-4	Maintenance and Operations Log - NG boilers	Make the site available to the District, ARB, and the Energy Commission for inspection of records.	Operations	Ongoing				
24	CEC			x	AQ-6	Initial MDAQMD Compliance Test - NG boilers	Submit test results within 180 days of initial start up.	Operations	< 180d after initial start up	11/29/13	01/28/14		
26	CEC			x	AQ-7	Annual MDAQMD Compliance Test - NG boilers	Perform annual MDAQMD compliance tests.	Operations	Annually				
27	CEC			x	AQ-7	Annual MDAQMD Compliance Test - NG boilers	Submit results report to the District no later than six weeks prior to the expiration date of this permit.	Operations	< 6w pt expiration of permit				
28	CEC			x	AQ-9	HTF Ullage/Exp. Tanks - HTF storage	Ullage tanks - This system shall store only HTF.	Operations	Ongoing				
29	CEC			x	AQ-10	HTF Ullage/Exp. Tanks - Carbon absorption system	Monitor VOC output, sample weekly, Calibrate FID on day of use. Maintain log of weekly sampling results and keep log onsite. Provide sampling log to District upon request.	Operations	Weekly				
30	CEC			x	AQ-10	HTF Ullage/Exp. Tanks - Carbon absorption system	Operate ullage tanks system with the carbon adsorption system. [VOC and Benzene emissions cap, see full text]	Operations	Ongoing				
31	CEC			x	AQ-10	HTF Ullage/Exp. Tanks - Carbon absorption system	Submit compliance documentation in Annual Compliance Report.	Operations	Annually				
32	CEC			x	AQ-10	HTF Ullage/Exp. Tanks - Carbon absorption system	Submit a yearly summary report of all VOC emissions.	Operations	Jan-31 Annually				

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Internal Due Date	Date Final Due	Date Submitted to Agency	Agency Status
34	CEC			x	AQ-10	HTF Ullage/Exp. Tanks - Carbon absorbtion system	Submit initial test results within 180 days after startup.	Operations	< 180d after initial start up		04/30/14		
37	CEC			x	AQ-12	HTF Ullage/Exp. Tanks- Inspection, Maintenance and Monitoring Plan	Make the site available to the District, ARB, and the Energy Commission for inspection of records.	Operations	Ongoing				
39	CEC			x	AQ-12	HTF Ullage/Exp. Tanks- Inspection, Maintenance and Monitoring Plan	Submit volume of HTF removed and added in Annual Report.	Operations	Annually				
44	CEC			x	AQ-14	HTF Ullage/Exp. Tanks - Initial MDAQMD Compliance Testing and Reporting	Perform initial compliance tests in accordance with the MDAQMD Compliance Test Procedural Manual. Submit test report.	Operations	< 180d after initial start up		04/30/14		
45	CEC			x	AQ-15	HTF Ullage/Exp. Tanks - Annual MDAQMD Compliance Testing and Reporting	Make the site available to the District, ARB, and the Energy Commission for inspection of records.	Operations	Ongoing				
46	CEC			x	AQ-15	HTF Ullage/Exp. Tanks - Annual MDAQMD Compliance Testing and Reporting	Perform annual compliance tests in accordance with the MDAQMD Compliance Test Procedural Manual.	Operations	Annually				
47	CEC			x	AQ-15	HTF Ullage/Exp. Tanks - Annual MDAQMD Compliance Testing and Reporting	Submit test results and report to the District no later than six weeks prior to the expiration date of this permit.	Operations	< 6w pt expiration of permit				
48	CEC			x	AQ-15	HTF Ullage/Exp. Tanks - Annual MDAQMD Compliance Testing and Reporting	Retain all annual test records for 5 yrs.	Operations	Ongoing, 5 yrs				
49	CEC			x	AQ-16	HTF Ullage/Exp. Tanks - Emission rate caps	Include Ullage/tank emission rate caps compliance documentation in Annual Report.	Operations	Annually				
50	CEC			x	AQ-16	HTF Ullage/Exp. Tanks - Emission rate caps	Maintain emission rates below specified volumes.	Operations	Ongoing				
51	CEC		x	x	AQ-17	HTF Ullage/Exp. Tanks - Regulated Substances	Submit a Compliance Plan of the toxic or hazardous substances if current non-criteria substances in the HTF become regulated as toxic or hazardous substances.	Operations	Ongoing	IF/THEN			
52	CEC			x	AQ-18	Equipment Operation. Application Requirements - Cooling Towers	Operate cooling towers in compliance with all data and specifications submitted in application.	Operations	Ongoing				
53	CEC			x	AQ-19	Equipment Operation Manufacturer Specifications - Cooling Towers	Operate cooling towers in compliance with all manufacturer specifications.	Operations	Ongoing				
54	CEC			x	AQ-20	Drift Eliminator Monitoring and Reporting - Cooling Towers	Comply with drift rate emissions cap (see full text).	Operations	Ongoing				
56	CEC			x	AQ-20	Drift Eliminator Monitoring and Reporting - Cooling Towers	Submit compliance documentation on operating emission rates with Annual Report.	Operations	Annually				
58	CEC			x	AQ-23	Operating Time Restrictions - Cooling Towers	Submit compliance documentation with Annual Report.	Operations	Annually				
59	CEC			x	AQ-23	Operating Time Restrictions - Cooling Towers	Do not operated for more than 3,200 hours per rolling twelve month period and more than 15 hours per calendar day.	Operations	Ongoing				
60	CEC			x	AQ-24	Maintenance and Operation Log - Cooling Tower	Maintain operations log onsite for 5 years.	Operations	Ongoing				
61	CEC			x	AQ-24	Maintenance and Operation Log - Cooling Tower	Make site available for inspection of records and equipment by representatives of the District, ARB, and the Energy Commission.	Operations	Ongoing				
62	CEC			x	AQ-25	Drift Eliminator Maintenance Procedures	Make available compliance documentation for inspection by representatives of the District, ARB, and the Energy Commission	Operations	Ongoing				
63	CEC			x	AQ-26	Equipment Operation Manufacturer Specifications - 341HP generators	Operate generators in compliance with all manufacturer specifications.	Operations	Ongoing				
64	CEC			x	AQ-27	Fuel Restrictions - 341 HP generators	Use only ultra-low sulfur diesel fuel. Retain fuel purchase records.	Operations	Ongoing				
66	CEC			x	AQ-29	Operating Time Restrictions - 341 HP generators	Use limited to emergency power. Operate no more than 50hr/yr for testing and maintenance.	Operations	Ongoing				
67	CEC			x	AQ-30	Operations and Maintenance log - 341 HP generators	Maintain a operations log for a minimum of two years.	Operations	Ongoing 2 yrs after start of operations				
68	CEC			x	AQ-30	Operations and Maintenance log - 341 HP generators	Make records available to the District for three years.	Operations	Ongoing 3 yrs after start of operations				
69	CEC			x	AQ-30	Operations and Maintenance log - 341 HP generators	Submit compliance documentation in Annual Report.	Operations	Annually				
70	CEC			x	AQ-30	Operations and Maintenance log - 341 HP generators	Make site and records available for inspection by representatives of the District, ARB, and the Energy Commission.	Operations	Ongoing				
71	CEC			x	AQ-31	Voluntary Power Outage Use - 341 HP generators	Do not use generators during a voluntary power outage or reduction.	Operations	Ongoing				
72	CEC			x	AQ-32	Involuntary Power Outage Use - 341 HP generators	Operate generators <30 minutes pt ordered outage. Shut down immediately after advised that the outage is no longer imminent or in effect.	Operations	Ongoing				
73	CEC			x	AQ-33	ATCM Compliance - 341 HP generators	Operate and maintain equipment in accordance with ATCM for Stationary Compression Ignition Engines.	Operations	Ongoing				
75	CEC			x	AQ-34	NSPS Compliance -341 HP generators	Operate and maintain equipment in compliance with requirements of the NSPS for Stationary Compression Ignition Internal Combustion Engines.	Operations	Ongoing				
76	CEC			x	AQ-35	Equipment Specification Compliance - 315 HP fire pump engines	Install, operate and maintain equipment in accordance with manufacture recommendations and with all data and specifications submitted with permit application.		Site Available				
77	CEC			x	AQ-36	Fuel Restrictions - 315 HP fire pump engines	Use only ultra-low sulfur diesel fuel for equipment.	Operations	Ongoing				
79	CEC			x	AQ-38	Operating time restrinctions - 315 HP fire pump engines	Limit use for emergency power. Operate < 50hrs/yr for testing.	Operations	Ongoing				
81	CEC			x	AQ-39	Operations and Maintenance log - 315 HP fire pump engines	Submit compliance documentation in Annual Report.	Operations	Annually				
82	CEC			x	AQ-40	ATCM Compliance - 315 HP fire pump engines	Operate and maintain equipment in accordance with ATCM for Stationary Compression Ignition Engines.	Operations	Ongoing				
83	CEC			x	AQ-41	NSPS Compliance - 315 HP fire pump engines	Operate and maintain equipment in compliance with requirements of the NSPS for Stationary Compression Ignition Internal Combustion Engines.	Operations	Ongoing				
90	CEC			x	AQ-46	Gas tank and pump - initial and annual testing	Perform pressure, leak and liquid removal tests annually. Document test data on a Form similar to EO VR-401-A Form 1	Operations	< 60d after construction completion		08/29/14		

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Internal Due Date	Date Final Due	Date Submitted to Agency	Agency Status
97	CEC			x	AQ-48	Gas tank and pumps - certified technician	Maintenance and repair of system components shall be performed by OPW Certified Technicians.	Operations	Ongoing				
98	CEC			x	AQ-49	Gas tank and pumps - maintenance intervals	Maintenance Intervals shall be conducted by an OPW trained technician annually.	Operations	Annually				
100	CEC			x	AQ-51	Gas tank and pumps - EVR phase I and II	Maintain, and operate EVR Phase I in compliance with CARB Executive Order VR-401-A, and Phase II vapor recovery in accordance with G-70-116-F.	Operations	Ongoing				
103	CEC			x	BIO-2	Designated Biologist - responsibilities	Des Bio to submit bio compliance documentation through operations, unless approved by the CPM.	German	Annually				
105	CEC			x	BIO-2	Designated Biologist - responsibilities	Submit BRMIMP compliance summary reports in Annual Compliance Report.	German	Ongoing				
105	CEC		x		BIO-2	Designated Biologist - responsibilities	Des Bio Const: Advise Construction and Operation Managers on bio resources and COCs; Train Bio Monitors on BRMIMP, WEAP 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.	German	Ongoing				
107	CEC		x		BIO-3	Biological Monitors - Staff assignment	Submit information on additional bio monitors, if needed	Gavaldon	> 10d pt monitoring activity				
108	CEC			x	BIO-4	Biological Monitors - responsibilities	Employ a Bio Mon during operations if any action could affect a sensitive bio resource.	AECOM	Ongoing				
111	CEC		x		BIO-4	Biological Monitors - responsibilities	Bio Mons assist DB with surveys and monitoring disturbance activities.	Guigliano	Ongoing				
112	CEC		x	x	BIO-5	Designated Biologist and Biological Monitor Authority	Des Bio to notify agencies if there a stop work order.	German	Ongoing				
114	CEC			x	BIO-6	Worker Environmental Awareness Program (WEAP)	Conduct training annually for perm. Employees and within one week of arrival for new staff.	Operations	Annually				
116	CEC		x	x	BIO-6	Worker Environmental Awareness Program (WEAP)	Conduct WEAP training to all onsite personnel within one week of arrival. Employees must sign a completion form and display a hardhat sticker. Keep all training forms on site.	Mann	Ongoing				
119	CEC	x	x		BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Submit the revised or supplemented BRMIMP.	German	< 10d of receipt of addl permits				
122	CEC			x	BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Construction disturbance verification - submit post-construction aerial images of the project site .	Holt	< 90d after construction completion	09/07/14	09/28/14		
123	CEC	x	x		BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Submit any outstanding permits within 5 days of receipt and revise BRMIMP accordingly.	Gavaldon	< 5d of receipt				
127	CEC		x	x	BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Submit to the CPM a Construction Termination Report.	German	< 30d after construction completion		07/31/14		
129	CEC				BIO-8	Impact Avoidance and Minimization Measures	Include BIO-8 compliance documentation in Annual Compliance Report.	AECOM	Annually				
134	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	If activities btwn Feb15 to Apr15 may result in noise >65 dBA in bird nesting habitat, submit nest survey results (as described in 9a).	German	< 7d before noisy construction				
138	CEC		x		BIO-9	Desert Tortoise Clearance Surveys and Fencing	Inspect temporary fencing weekly and, where drainages intersect the fencing, during and within 24 hours following major rainfall events. Repair fence immediately. If damage could have allowed tortoise entry, Des Bio must inspect area for animal presence.	German	< 24hr following rain event				
139	CEC			x	BIO-9	Desert Tortoise Clearance Surveys and Fencing	Inspect permanent fencing monthly, during and within 24 hours following all major rainfall events (flow is detectable within the fenced drainage). Repair fence immediately, with permanent repairs completed within 48 hrs.	German	< 48hrs following rain event				
141	CEC	x			BIO-9	Desert Tortoise Clearance Surveys and Fencing	Design security gates with minimal ground clearance to deter ingress by tortoises.	McCord					
141	CEC		x		BIO-9	Desert Tortoise Clearance Surveys and Fencing	Clear plant site of Tortoise following construction of permanent fence. Search and collapse all unoccupied burrows. Excavate all occupied burrows. Relocate and monitor in accordance with Translocation Plan.	German	following const of permanent fence		04/15/11		
142	CEC	x	x		BIO-10	Desert Tortoise Translocation Plan	Submit a Translocation Plan status report following translocation of a DT.	German	< 30d after initiation of relocation				
144	CEC		x		BIO-11	Desert Tortoise Compliance Verification	Des Bio must be onsite daily during ground-disturbing construction activities located beyond permanent fencing.	AECOM	Ongoing				
145	CEC		x	x	BIO-11	Desert Tortoise Compliance Verification	Provide agencies with reasonable access to the Project site and compensation lands.	NextEra	Ongoing				
147	CEC			x	BIO-11	Desert Tortoise Compliance Verification	Des. Bio to conduct compliance inspections at least once per month after grading is completed.	German	Monthly		Monthly		
149	CEC	x	x		BIO-11	Desert Tortoise Compliance Verification	DesBio - Notify agencies immediately of any injured or dead listed species. Follow up with written notification within 2 days.	German	< 2d of discovery				
150	CEC			x	BIO-11	Desert Tortoise Compliance Verification	Notify the CPM immediately of any NCR.	AECOM	upon discovery				
155	CEC			x	BIO-12	Desert Tortoise Compensatory Mitigation	Provide to agencies a total disturbance acreage, including B/A aerial photography.	McCord	< 90d after completion of gd		09/28/14		
167	CEC			x	BIO-13	Raven Management Plan	Include the status of the Raven Management Plan implementation in Jan 31 report during operations.	AECOM	Jan-31 Annually				
168	CEC		x	x	BIO-13	Raven Management Plan	Implement the approved Raven Management Plan.	AECOM	Ongoing				
172	CEC			x	BIO-14	Weed Management Plan	Submit a status report of Weed Management Plan implementation in Jan 31 report during operation.	Alice Karl	Jan-31 Annually				
173	CEC			x	BIO-15	Pre-construction Nest Surveys and Avoidance Measures	Submit summary report of nest buffer zones in Jan 31 report during operations.	German	Jan-31 Annually				

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Internal Due Date	Date Final Due	Date Submitted to Agency	Agency Status
181	CEC		x	x	BIO-16	Avian Protection Plan.	Report project-related bird deaths or injuries to agencies.	AECOM	Ongoing				
182	CEC			x	BIO-16	Avian Protection Plan.	Continue quarterly and annual reporting on APP until agencies determine not necessary.	AECOM	Ongoing, Quarterly and annually				
183	CEC			x	BIO-16	Avian Protection Plan.	Submit report of study design and results after two years of data collection.	AECOM	< 3yr after start of operation		10/15/16		
184	CEC			x	BIO-16	Avian Protection Plan.	Submit quarterly monitoring reports of APP status. Follow up with an annual report (Jan 31).	AECOM	Jan-31 Annually				
188	CEC			x	BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	Submit results of monitoring and management of compensation lands.	AECOM	Jan-31 Annually for first 5yrs of operations				
204	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Habitat Enhancement: Submit Security adequate for long-term implementation and monitoring of the Habitat Enhancement / Restoration Plan.	Alice Karl					
208	CEC	x	x	x	BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Notify agencies immediately if a State- or Federal-Listed Species, or BLM Sensitive Species is identified at any time during the life of the Project.	Alice Karl					
218	CEC		x	x	BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Select, install and maintain ECDs such that special-status plants are not directly or indirectly affected (seed mixes, hay, runoff).	Alice Karl	Ongoing				
223	CEC		x	x (closure)	BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Designated Botanist: monitor disturbance activities weekly.	Alice Karl	Weekly		01/17/11	Submitted in monthly report	
224	CEC	x			BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Incorporate site design modifications to minimize impacts to special-status plants along the Project linears.	McCord					
225	CEC			x	BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Des Bio: Protect special-status plant species within 100ft of Project Boundaries during operations.	German	Ongoing, this task is in the daily and weekly DB reports. Included in the monthly compliance reports.				
226	CEC		x	x	BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Maintain a 100-ft buffer around ESAs. (vehicles, wash stations, storage, equipment, etc)	German	Ongoing				
227	CEC		x		BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Protect special-status plants within 100ft of site boundaries from drift of herbicides and stabilizer.	Alice Karl	Ongoing, Re-vegetation efforts to begin middle of October.				
238	CEC			x	BIO-20	Sand Dunes / Mojave Fringe-Toed Lizard Mitigation	Submit final accounting of MFTL habitat disturbed during construction within 90d of construction completion.	AECOM	< 90d after start of operation		01/29/14		
243	CEC			x	BIO-21	Evaporation Pond Netting and Monitoring	Report any dead wildlife to Des Bio <24hrs. Des Bio must report to agencies ,48hrs.	German	< 1d of detection, all dead wildlife has been reported				
244	CEC			x	BIO-21	Evaporation Pond Netting and Monitoring	If no entanglements are detected after 12 months, continue to monitor quarterly.	AECOM	quarterly			Quarterly	
245	CEC			x	BIO-21	Evaporation Pond Netting and Monitoring	Submit quarterly reports to agencies for first year of operation. Thereafter, submit reports annually.	AECOM	quarterly			Quarterly	
246	CEC			x	BIO-21	Evaporation Pond Netting and Monitoring	If after 12 quarterly inspections there are no entanglements, continue biannually (spring, fall).	AECOM	biannually				
247	CEC			x	BIO-21	Evaporation Pond Netting and Monitoring	Submit annual reports no later than January 31 of each year.	AECOM	Jan-31 Annually				
248	CEC			x	BIO-21	Evaporation Pond Netting and Monitoring	Netting cannot touch the water in evap ponds.	Operations	Ongoing				
249	CEC			x	BIO-21	Evaporation Pond Netting and Monitoring	Consult with agency regarding removal of injured wildlife in evap ponds.	AECOM	Ongoing				
252	CEC			x	BIO-21	Evaporation Pond Netting and Monitoring	Des Bio or Monitor must inspect netting monthly during operation.	German	monthly			Monthly	
256	CEC		x	x	BIO-22	Mitigation for Impacts to State Waters	Provide a copy of Condition of Certification BIO-22 to all on-site personnel (detailing Stop Work Authorities).	Mann	Ongoing, part of the WEAP training				
258	CEC			x	BIO-22	Mitigation for Impacts to State Waters	Include a discussion of work in waters of the state in Annual Compliance Reports.	Operations	Annually			Annual	
259	CEC			x	BIO-22	Mitigation for Impacts to State Waters	Submit a final accounting of disturbance to jurisdictional waters during construction.	AECOM	< 90d after start of operation		06/29/14		
264	CEC			x	BIO-22	Mitigation for Impacts to State Waters	Submit a report of monitoring and management of compensation lands.	Operations	Jan-31 Annually				
266	CEC			x	BIO-22	Mitigation for Impacts to State Waters	Include a copy of the notifying change of conditions report in the annual reports.	Operations	Annually				
268	CEC	x	x		BIO-22	Mitigation for Impacts to State Waters	Notify agencies of any change of conditions to the Project (site conditions, impacts, mitigation).	AECOM	< 7d upon discovery				
269	CEC			x	BIO-22	Mitigation for Impacts to State Waters	Include a copy of the notifying change of conditions report in the annual reports.	Operations	Annually				
271	CEC			x	BIO-23	Decommissioning and Closure Plan	Revise and submit Decommissioning and Closure Plan every 5yrs during operations.	Operations	every 5yrs				
272	CEC			x	BIO-23	Decommissioning and Closure Plan	Implement a final Decommissioning and Closure Plan.	Operations	Project closure				
274	CEC		x	x	BIO-24	Revegetation of Temporarily Disturbed Areas	Submit status report of Reveg Plan yearly.	Alice Karl	Jan-31 Annually				
275	CEC		x	x	BIO-24	Revegetation of Temporarily Disturbed Areas	Implement Revegetation Plan.	Alice Karl	Ongoing				
277	CEC			x	BIO-24	Revegetation of Temporarily Disturbed Areas	Provide compliance documentation and status of completion of the Reveg Plan.	Alice Karl	< 30d after construction completion		07/30/14		
278	CEC				BIO-25		DELETED						
279	CEC				BIO-26		DELETED						
283	CEC		x	x	BIO-27	Couch's Spadefoot Toad Impact Avoidance and Minimization Measures	Implement a CST Protection and Mitigation Plan.	AECOM	Ongoing				
284	CEC		x		BIO-28	Golden Eagle Inventory and Monitoring	If a nest is found, notify agencies submit final Golden Eagle Monitoring and Management Plan.	AECOM	< 30d after detection				
285	CEC		x		BIO-28	Golden Eagle Inventory and Monitoring	Survey for golden eagle annually during construction.	AECOM	Annually				
294	CEC	x	x		CUL-3	Cultural Resources Personnel	Submit resume of CRS replacement (if necessary).	AECOM	10d pt CRS departure				N/A
296	CEC	x	x		CUL-3	Cultural Resources Personnel	CRS to oversee all cultural resources mitigation, monitoring, curation, and reporting activities.	Tennyson	Ongoing				

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Internal Due Date	Date Final Due	Date Submitted to Agency	Agency Status
298	CEC	x	x		CUL-3	Cultural Resources Personnel	Submit letter with names and quals of <i>additional</i> CR Monitors.	Tennyson	5d pt arrival on site		as needed	30-Mar-11	
302	CEC		x		CUL-4	Project Documents for Cultural Resources Personnel	If phased construction schedule changes, submit notice of change.	Gavaldon	< 5d of decision				
306	CEC		x		CUL-4	Project Documents for Cultural Resources Personnel	Submit weekly schedule and location of activities to CRS and CPM during ground disturbance.	AECOM	Weekly		01/17/11		
310	CEC		x		CUL-6	Cultural Resources Report	Submit a draft CR Report (CRR) if requesting suspension of construction (if necessary). Retain a copy of the draft CRR onsite.	Gavaldon	> 30d after request to suspend construction				
311	CEC		x		CUL-6	Cultural Resources Report	Submit documentation of CRR distribution to parties.	AECOM	< 10d of CRR approval				
312	CEC			x	CUL-6	Cultural Resources Report	Submit the final CRR.	AECOM	< 180d after completion of gd		12/28/14		
316	CEC		x		CUL-7	Worker Environmental Awareness Program	Conduct WEAP training for all new workers prior to and during gd (including landscaping)	Mann	Ongoing				
318	CEC	x	x		CUL-8	Construction Monitoring Program	Submit statement daily during gd if "no cultural resources over 50 years of age were discovered".	AECOM	daily		01/17/11	Ongoing	
320	CEC		x		CUL-8	Construction Monitoring Program	Submit a summary report of CR-related monitoring and any new DPR 523A forms as part of the monthly compliance report.	AECOM	Monthly		Monthly	1-Apr-11	
321	CEC		x		CUL-8	Construction Monitoring Program	Submit justification for reduction or cessation of CRS daily reporting.	AECOM	< 24hrs pt change of reporting			8-Mar-11	3/28/2011
322	CEC		x		CUL-8	Construction Monitoring Program	CR Staff to monitor and maintain daily log on provided forms for all gd activity until the Qoaf alluvium is reached. (including roads)	AECOM	daily				
323	CEC		x		CUL-8	Construction Monitoring Program	Notify CPM of NCRs w/in 24 hrs, recommend corrective action.	AECOM	< 24hr of discovery				
324	CEC	x	x		CUL-8	Construction Monitoring Program	Submit a copy of any Native American employment request and a copy of a response letter.	AECOM	< 15d of receipt		02/10/11	8-Feb-11	Approved 3/2/2011
327	CEC	x	x		CUL-8	Construction Monitoring Program	Submit documentation of transmittals to Native American representatives following discovery of cultural material.	AECOM	< 30d upon discovery				
328	CEC	x	x		CUL-8	Construction Monitoring Program	Submit "discovery" responses from tribes.	AECOM	< 15d of receipt				
330	CEC	x	x		CUL-9	Authority to Halt Construction; Treatment of Discoveries	If cultural material is found, notify agencies (<24 hrs), Tribes (48hrs, as appropriate); submit a DPR 523 form; treat find in accordance with CRMMP.	Tennyson	< 24hr of discovery			Ongoing notification	
331	CEC		x		CUL-10	WEAP - Cultural Considerations	Implement CRMMP when within 30meters of these sites.	AECOM	Ongoing				
334	CEC	x			CUL-10	WEAP - Cultural Considerations	Notify CPM when data recovery is complete.	AECOM	< 1w of data recovery completion			1-Feb-11	
334	CEC	x			CUL-10	WEAP - Cultural Considerations	Notify CPM when data recovery is complete. Phase II	AECOM	< 1w of data recovery completion		03/30/11		
335	CEC		x		CUL-11	Data Recovery for Large sites	Submit letter report of data recovery.	AECOM	< 1w of data recovery completion				
335	CEC		x		CUL-11	Data Recovery for Large sites	Submit letter report of data recovery. Phase II	AECOM	< 1w of data recovery completion		03/30/11		
336	CEC		x	x	CUL-11	Data Recovery for Large sites	Submit to CPM any draft research paper to be presented at a professional organization.	AECOM	> 15d pt presentation				
345	CEC	x	x		CUL-13	Flag and Avoid	CA-Riv-0260, CA-Riv-0663, and CA-Riv-9072: avoid impacts to these sites.	AECOM	pt gd within 30m of site		01/16/11		
354	CEC	x	x		CUL-17	Historic Period Site Mapping and In-Field Artifact Analysis	Implement CRMMP within 30 meters of these sites.	AECOM	Ongoing				
356	CEC		x		CUL-18	Compliance with BLN Programmatic Agreement	Comply with BLM Programmatic Agreement.	AECOM	Ongoing				
357	CEC		x	x	HAZ-1	Hazardous Materials list of approved substances	Do not use hazmats not listed, or in quantities listed in App A.	Operations	Ongoing				
358	CEC			x	HAZ-1	Hazardous Materials list of approved substances	Submit a list of haz mats contained at the facility in the Annual Compliance Report.	Operations	Annually				
364	CEC			x	HAZ-6	Operations Site Security Plan	Submit statement confirming all employee background checks are complete and appended to Security Plan as part of the Annual Compliance Report.	Operations	Annually				
366	CEC			x	HAZ-6	Operations Site Security Plan	Submit verification Security Plan includes all current hazmat transport vendor certifications as part of the Annual Compliance Report.	Operations	Annually				
372	CEC		x	x	NOISE-2	Noise Complaint Process	Document, investigate, evaluate, and attempt to resolve all project-related noise complaints.	Gavaldon	Ongoing				
373	CEC		x	x	NOISE-2	Noise Complaint Process	Contact individual making complaint.	Gavaldon	< 24hr of receipt				
374	CEC		x	x	NOISE-2	Noise Complaint Process	Submit the Noise Complaint Resolution Form.	Gavaldon	< 5d of receipt				
375	CEC		x	x	NOISE-3	Noise Control Program	Make the Program available to OSHA upon request.	Gavaldon	Ongoing				
377	CEC			x	NOISE-4	Occupational Noise Survey	Conduct an occupational noise survey.	Operations	following first sustained output of 90%				
378	CEC			x	NOISE-4	Occupational Noise Survey	Make the report available to OSHA and Cal/OSHA upon request.	Operations	Ongoing				
379	CEC			x	NOISE-4	Occupational Noise Survey	Submit report of survey findings.	Operations	< 30d after test				
382	CEC			x	Soil & Water-1	Drainage Erosion and Sedimentation Control Plan	Submit results of monitoring and maintenance activities in Annual Compliance Report.	Operations	Annually				
383	CEC		x	x	Soil & Water-1	Drainage Erosion and Sedimentation Control Plan	Update and maintain the DESCP for the life of the Project.	Operations	Ongoing				
385	CEC	x	x		Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Map groundwater levels within the CVGB within 10 miles of the site. Update trend plots and statistical analyses, as data is available.	Worley Parsons	Ongoing				
386	CEC		x		Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Collect water from wells, seeps and springs quarterly and at the end of the construction. Submit report on water samples, including all calculations and assumptions quarterly.	Worley Parsons	< 30d following quarter end		04/30/11		
387	CEC		x	x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Submit documentation of monetary compensation to well owners.	NextEra	< 30d of payment				
388	CEC		x	x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	If GW levels are lowered >5ft due to Project pumping, provide compensation or mitigation to well owners.	NextEra	Ongoing				
389	CEC		x	x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Monitor quarterly operational parameters (i.e., pumping rate) of the water supply wells.	Worley Parsons	quarterly				
390	CEC			x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Submit a 5 year monitoring report.	Operations	5ys after start of operation				
392	CEC		x	x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Fourth quarterly report serves as annual report. Include trend analysis. Determine where pumping has caused drawdown >5ft below baseline.	Worley Parsons	Jan-31 Annually				

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393	CEC		x	x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	If required, compensate landowners by March 31.	NextEra	Mar-31 Annually				
394	CEC		x		Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Notify owners within one month of CPM approving compensation analysis.	Worley Parsons	< 1m CPM approval of comp. analysis				
395	CEC		x	x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	If GW levels are lowered and pumps exposed, reimburse well owner to lower pumps. If pumps cannot be lowered, deepen the well(s) or construct new ones.	NextEra	Ongoing				
396	CEC		x	x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Collect water level measurements semi-annually after the first year.	Worley Parsons	semi-annually after first yr of monitoring		01/17/12		
397	CEC	x	x	x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Submit monitoring reports, complaints, studies and data.	Worley Parsons	< 10d of receipt				
400	CEC			x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	CPM to evaluate GW level monitoring program for necessity or modification every 5 years.	CPM	5yrs				
402	CEC		x		Soil & Water-3	Groundwater Well Impact Compensation	Notify all owners of the impacted wells within one month of the CPM approval of the compensation analysis for increase energy costs.	Worley Parsons	< 1m CPM approval of comp. analysis				
403	CEC		x		Soil & Water-3	Groundwater Well Impact Compensation	Submit all calculations, calculation agreement letters signed by the well owners, and contact information for landowners that do not agree with calculations.	Worley Parsons	Ongoing				
404	CEC		x		Soil & Water-3	Groundwater Well Impact Compensation	Submit all documentation and calculations r.e. compensation for energy costs associated with additional lift requirements.	Worley Parsons	< 30d after approval				
405	CEC		x	x	Soil & Water-3	Groundwater Well Impact Compensation	Provide compensation by March 31 of each year. (one time for lump sum payments).	NextEra	Mar-31 Annually				
406	CEC		x	x	Soil & Water-3	Groundwater Well Impact Compensation	Submit a report of compensation provided for increased energy costs.	NextEra	< 30d of payment				
407	CEC		x	x	Soil & Water-4	Project GW Wells, Pre-Well Installation	Submit to CPM two copies of all operational reports required by the County of Riverside and any changes to operations of well.	Operations	Ongoing				
410	CEC		x		Soil & Water-4	Project GW Wells, Pre-Well Installation	Submit two copies of any proposed well permit changes.	McCord	< 10d of submittal or receipt				
413	CEC		x		Soil & Water-5	Construction and Operation Water Use	Submit a semi-annual report of construction water use.	Gavaldon	semi-annually		06/30/11		
414	CEC		x	x	Soil & Water-5	Construction and Operation Water Use	Submit an annual report of water usage (g/month and total).	Operations	Annually				
415	CEC		x		Soil & Water-5	Construction and Operation Water Use	GW use during construction must not exceed an annual average of 1,368 afy.	Gavaldon	Ongoing				
416	CEC			x	Soil & Water-5	Construction and Operation Water Use	GW use during operations must not exceed 202 afy	Operations	Ongoing				
419	CEC		x	x	Soil & Water-6	Waste Discharge Requirements	Submit annual waste discharge permit fee associated with this facility to the Water Boards	Worley Parsons					
419	CEC		x	x	Soil & Water-6	Waste Discharge Requirements	Submit (for rev and approve) any change to the design, construction, or operation of the evaporation basins, treatment units, or associated storm water system pt initiating changes.	Worley Parsons	pt initiating changes				
420	CEC		x	x	Soil & Water-6	Waste Discharge Requirements	Submit all monitoring reports required by the WDRs and details of any nonconformance.	Worley Parsons	Ongoing				
421	CEC			x	Soil & Water-7	Septic System and Leach Field Reqs	Comply with County and State reqs for sanitary waste disposal facilities.	Operations	Ongoing				
428	CEC			x	Soil & Water-12	Non-Transient Non-Community Water System	Designate a CA Cert'd Water Treatment Plant Operator as well as the technical, managerial and financial requirements as prescribed by State law.	Operations					
429	CEC			x	Soil & Water-12	Non-Transient Non-Community Water System	Submit updates annually for all monitoring requirements and submittals to County related to the permit, and proof of annual renewal of the operating permit.	Operations	Annually				
430	CEC		x	x	Soil & Water-13	Channel Maintenance Program	Supervise the implementation of a Channel Maintenance Program.	Operations	Ongoing				
431	CEC		x		Soil & Water-13	Channel Maintenance Program	Ensure the Project Construction Manager receive training on the Channel Maintenance Program.	McCord	Ongoing				
433	CEC			x	Soil & Water-13	Channel Maintenance Program	Submit a Channel Maintenance Program Annual Report, Channel Maintenance Work Plan, and Lessons Learned with the Annual Compliance Report.	Operations	Annually				
436	CEC			x	Soil & Water-14	Decommissioning and Closure Plan - Water and Wind Considerations	Submit amended Decommissioning Plans should the decommissioning scenario change in the future.	Operations	Ongoing				
437	CEC		x	x	Soil & Water-15	Colorado River Flow Mitigation, Water Supply Plan	Implement Water Supply Plan mitigation measures.	Jeff Harvey	Ongoing				
439	CEC			x	Soil & Water-16	Groundwater Production Monitoring	File an annual "Notice of Extraction and Diversion of Water" with the SWRCB. Include a copy of the Notice in the Annual Compliance Report.	Operations	Annually				
441	CEC			x	Soil & Water-17	Ground Subsidence Monitoring and Action Plan	Submit quarterly reports presenting data and comparison to thresholds beginning 3 months following GW production.	Worley Parsons	quarterly 3m after GW production				
442	CEC				Soil & Water-17	Ground Subsidence Monitoring and Action Plan	Construct one monument monitoring station per production well or a minimum of three stations.	Worley Parsons	1-Jul-11				
443	CEC			x	Soil & Water-17	Ground Subsidence Monitoring and Action Plan	Submit a 5-yr monitoring report summarizing findings to date.	Operations	5yrs after GW production				
445	CEC				Soil & Water-18	Water Policy Compliance Water Supply Plan	DELETED						
448	CEC		x	x	Soil & Water-20	Groundwater Quality Monitoring and Reporting Plan	Monitor GW quality and levels semi-annually and submit data semi-annually.	Worley Parsons	semi-annually		06/30/11		
455	CEC	x	x		TRANS-2	Vehicle Weight Limits	Retain copies of transportation permits and supporting documentation onsite for inspection if requested.	Gavaldon					
458	CEC		x	x	TRANS-3	Public ROW Encroachment	Retain copies of encroachment permits onsite for inspection for at least six months after the start of commercial operation.	Operations	> 6m after start of operation		01/01/14		
460	CEC			x	TRANS-4	Hazmat Transport Permits/Licenses	Retain copies of hazardous material transport permits onsite for inspection.	Operations	> 6m after start of operation		01/01/14		
465	CEC		x	x	TRANS-5	Restoration of Public Roads, Easements, and ROWs	Restore all public roads, easements, and rights-of-way damaged due to project-related construction activities.	Watson	Ongoing				
466	CEC			x	TRANS-5	Restoration of Public Roads, Easements, and ROWs	Submit letter of ROW repair completion, including concurrence from Caltrans or the County.	Watson					
467	CEC			x	TRANS-5	Restoration of Public Roads, Easements, and ROWs	Meet with CPM, Caltrans and the County to identify sections of public ROW needing repair < 60d after construction. Establish a schedule for repairs.	Watson	< 60d after construction completion		08/29/14		
468	CEC		x		TLSN-1	Compliance with Cal Pub Utility Commissions (Tilne)	Construct Tilne in accordance with CA PUC's req's, California Code of Regulations, and Southern California Edison's EMF reduction guidelines.	Watson	Ongoing				

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471	CEC			x	TLSN-2	Pre- and Post- Energization Measurements	Measure strengths of EMF after energization according to (ANSI/IEEE) standard procedures < 6months of start of operations.	Operations	< 60d of test				
471	CEC		x	x	TLSN-2	Pre- and Post- Energization Measurements	Measure strengths of EMF before energization according to (ANSI/IEEE) standard procedures. Submit measurement report.	McCord	< 60d of test				
472	CEC			x	TLSN-3	Combustible Material Inspections	Submit summary of inspection results and fire prevention activities in the Annual Compliance Report for the first 5 years of operation.	Operations	5yrs Annually				
473	CEC			x	TLSN-3	Combustible Material Inspections	Maintain Time ROW free of combustible material.	Operations	Ongoing				
475	CEC		x		TLSN-4	Metallic Object Grounding in ROW	Ensure all permanent metallic objects within the Time ROW are grounded.	Watson	Ongoing				
477	CEC		x	x	VIS-1	Surface Treatment of Non-Mirror Project Structures and Buildings	Notify CPM when surface treatment is complete and ready for inspection. Submit photographs of treated structures upon completion.	Gavaldon	upon completion of installation				
478	CEC			x	VIS-1	Surface Treatment of Non-Mirror Project Structures and Buildings	Include a status report regarding surface maintenance in the Annual Compliance Report.	Operations	Annually				
479	CEC		x		VIS-2	Temporary and Permanent Exterior Lighting	Submit a Lighting Mitigation Plan.	McCord	> 60d pt ordering permanent lighting	06/30/11			
480	CEC		x	x	VIS-2	Temporary and Permanent Exterior Lighting	Notify CPM of lighting complaint resolution/implementation.	Gavaldon	< 48hr of resolution				
482	CEC		x		VIS-2	Temporary and Permanent Exterior Lighting	If after inspection lighting modifications are needed, notify CPM that modifications are complete.	Gavaldon	< 30d after notification				
483	CEC		x	x	VIS-2	Temporary and Permanent Exterior Lighting	Submit any received lighting complaints. Include proposal to resolve and schedule.	Gavaldon	< 48hr of complaint receipt				
484	CEC		x	x	VIS-2	Temporary and Permanent Exterior Lighting	Submit a copy of complaint resolution report.	Gavaldon	< 30d of resolution				
485	CEC		x		VIS-2	Temporary and Permanent Exterior Lighting	Consult with CPM regarding documentation required in the Lighting Mitigation Plan.	McCord	> 90d pt ordering permanent lighting	06/30/11			
486	CEC		x		VIS-2	Temporary and Permanent Exterior Lighting	Consult with CPM regarding documentation required in the Lighting Mitigation Plan.	McCord	> 30d pt ordering temp lighting	04/01/11			
487	CEC				VIS-3	Time setback from I-10	DELETED						
488	CEC		x		VIS-4	Reflective Glare Mitigation	Construct perimeter chain link using dark or earth-toned opaque privacy slats of a minimum 8 feet in height.	Gavaldon	Ongoing	06/04/12	Oct-11		
489	CEC		x	x	VIS-4	Reflective Glare Mitigation	Submit copy of complaint glare resolution form.	Gavaldon	< 30d of receipt				
490	CEC		x	x	VIS-4	Reflective Glare Mitigation	Submit any glare complaints, including resolution and schedule.	Gavaldon	< 48hr of complaint receipt				
491	CEC		x	x	VIS-4	Reflective Glare Mitigation	Notify CPM resolution/implementation for glare complaints.	Gavaldon	< 48hr of resolution				
496	CEC		x		WASTE-1	Contaminated Soil Assessment and Remediation	If contaminated soil is found during construction, consult with Department of Toxic Substances Control, assess and remediate contamination in consultation with DTSC and with approval from CPM.	Gavaldon	Ongoing				
498	CEC		x		WASTE-3	Contaminated Soil Assessment and Remediation - PE or PG responsibilities	If potential contamination results in stop-work call by PE or PG, notify CPM within 24hrs.	Gavaldon	< 24hr after stop work				
499	CEC		x		WASTE-3	Contaminated Soil Assessment and Remediation - PE or PG responsibilities	If potential contamination is identified, the PE or PG must inspect and submit report to agencies any need for sampling/remediation.	Gavaldon	< 5d of receipt				
506	CEC		x	x	WASTE-7	Waste Management-related Enforcement Action Notification	Notify CPM of an impending waste-management enforcement action and owners response/resolution.	Gavaldon	< 10d of notification from authorities				
507	CEC				WASTE-8	Reuse/Recycling Plan	DELETED						
508	CEC			x	WASTE-9	Operation Waste Management Plan	Submit actual volume of waste generated and management methods used in each Annual Compliance Report.	Mosley	Annually				
511	CEC			x	WASTE-9	Operation Waste Management Plan	Update Operations Waste Management Plan as necessary.	Operations	Ongoing				
512	CEC			x	WASTE-10	HTF Contaminated Soil Hazard assessment	Document all HTF releases. If > 42 gallons, notify agencies and provide analysis of results in accordance with WASTE-10.	Operations	< 28d of release date				
512	CEC		x	x	WASTE-11	HAZMAT Waste Release/Spill Documentation and Corrective Actions	Submit release/spill documentation. If the release was reported, include agency communication.	Operations	< 30d of release date				
514	CEC		x	x	WASTE-11	HAZMAT Waste Release/Spill Documentation and Corrective Actions	Document, clean up, and dispose of hazmat released > EPA's reportable quantities in accordance with federal, state, and local requirements.	Operations	Ongoing				
530	CEC			x	Worker Safety-7	Riv Co Fire Department, Capital and Operating Costs Funding	(if opted), provide letter of credit to RCFD annually.	NextEra	Annually at the start of operations				
532	CEC			x	Worker Safety-9	Riv Co Fire Dept Joint Training Exercises	Include joint exercise training documentation with the RCFD and other solar plants in the annual compliance report.	Operations	pt start of commissioning Annually				
534	CEC			x	Worker Safety-9	Riv Co Fire Dept Joint Training Exercises	Host the annual training on a rotating yearly basis with the other solar power plants.	Operations	Rotate annually				
535	CEC		x	x	GEN-1	2007 Ca Buidling Standards Code Compliance	Provide the CPM a copy of the certificate of occupancy (CO).	BV	< 30d of receipt				
536	CEC		x		GEN-1	2007 Ca Buidling Standards Code Compliance	Once the CO issued, notify CPM pt any addition, alteration, moving, demolition, repair, or maintenance on any portion(s) of the completed facility subject to CBO approval.	BV	> 30d pt activity				
537	CEC		x		GEN-1	2007 Ca Buidling Standards Code Compliance	Submit a statement that all facility designs, construction, installation, and inspection requirements of the LORS and CEC's decision have been met.	McCord	< 30d after receipt of CO				
540	CEC	x	x	x	GEN-3	CBO Payments	Submit payments to the CBO in accordance with the agreement between the project owner and the CBO.	NextEra	ongoing				
553	CEC		x		GEN-6	Special Inspector(s) - Staff Assignment	Notify the CPM of the CBO's approval of replacement inspector.	BV	< 5d of approval				
554	CEC		x		GEN-6	Special Inspector(s) - Staff Assignment	If the special inspector is reassigned or replaced, submit resume of replacement to CBO.	BV	< 5d of replacement				
555	CEC		x		GEN-6	Special Inspector(s) - Staff Assignment	Special inspectors submit inspection reports to the CBO and RE.	BV	Ongoing				
556	CEC		x		GEN-6	Special Inspector(s) - Staff Assignment	The special inspector shall submit a final signed report to the RE, CBO, and CPM, stating compliance status.	BV	after construction completion	06/30/14			
559	CEC		x		GEN-7	Facility Design Discrepancy Documentation	If corrective action is not approved, advise CPM of the reason and the revised corrective action to obtain CBO's approval.	Koser	< 5d after CBO disapproval				
560	CEC		x		GEN-7	Facility Design Discrepancy Documentation	Document and recommend corrective actions for any discrepancy in design and/or construction engineering work subject to CBO approval. Submit documentation to CBO for review and approval.	Koser	Ongoing				
561	CEC		x		GEN-8	As-builts, CBO Notification of Completion and Compliance	Retain one set of approved engineering plans, at the project site. Submit to the CPM a statement with location of stored documents.	Gavaldon					
562	CEC		x		GEN-8	As-builts, CBO Notification of Completion and Compliance	Submit to CBO statement of work completed, in conformance with plans and ready for inspection.	McCord	< 15d after construction completion	07/15/14			
564	CEC			x	GEN-8	As-builts, CBO Notification of Completion and Compliance	Provide CBO with a full set of electronic plans.	McCord	< 90d after construction completion	09/28/14			

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Internal Due Date	Date Final Due	Date Submitted to Agency	Agency Status
565	CEC		x		GEN-8	As-builts, CBO Notification of Completion and Compliance	Notify the CPM after obtaining the CBO's final approval of work completed.	BV	< 15d after construction completion		07/15/14		
568	CEC		x		CIVIL-2	RE Stop Work Authority and Notification	Submit modified plans to the CBO for review and approval based on these new conditions.	McCord	Ongoing				
569	CEC		x		CIVIL-2	RE Stop Work Authority and Notification	Submit CBO approval of modified plans to CPM.	BV	< 24hr of approval				
570	CEC		x		CIVIL-2	RE Stop Work Authority and Notification	RE to stop earthwork if he/she identifies unforeseen adverse soil or geologic conditions. Notify CPM within 24 hrs.	BV	< 24hr of discovery				
572	CEC		x		CIVIL-3	CBO Inspection of 2007 CBC Compliance	Perform inspections in accordance with the 2007 CBC. Report any discrepancies immediately.	BV	Ongoing				
573	CEC		x		CIVIL-3	CBO Inspection of 2007 CBC Compliance	RE to submit a non conformance report (NCR) < 5d of discovery. Submit details of corrective action < 5d of resolution.	BV	< 5d of discovery				
575	CEC		x		CIVIL-4	Final Grading Plans - CBO submittal	After completion of finished grading and erosion and sedimentation control and drainage work, the project owner shall obtain the CBO's	BV	< 30d completion of drainage work				
576	CEC		x		STRUC-1	CBO Submittals - Major Structure or Facility design Component, Statement of Submittal		McCord	< 30d after approval				
578	CEC		x		STRUC-2	CBO Submittal - Concrete, Welds, Other Structural Activities	If NCR is disapproved the project owner shall notify the CPM within 5 days, the reason for the disapproval	Koser	< 5d of NCR				
580	CEC		x		STRUC-2	CBO Submittal - Concrete, Welds, Other Structural Activities	The project Owner shall transmit a copy of the CBP's Approval or disapproval of the NCR corrective Action To the CPM within 15 days	Koser	< 15d CBO response				
581	CEC		x		STRUC-2	CBO Submittal - Concrete, Welds, Other Structural Activities	Submit a copy of the NCR corrective action to the CBO and the CPM.	Koser	< 5d of resolution				
582	CEC		x		STRUC-3	CBO Submittal - Design Changes, Revised Drawings, Specs, Calcs	Notify the CBO of any intended filing of design changes, and submit revisions on a schedule suitable to the CBO.	Watson	on a sched suitable to CBO				
588	CEC	x			STRUC-4	2007 CBC Compliance for Toxic or HAZMAT	Design tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts specified in the 2007 CBC to comply with the requirements of that chapter.	McCord					
589	CEC		x		MECH-1	CBO Submittal -Plan Piping and Plumbing System, Final design specs and calcs	Request CBO inspection of any such major piping or plumbing system.	McCord					
592	CEC		x		MECH-1	CBO Submittal -Plan Piping and Plumbing System, Final design specs and calcs	Submit to the CBO the final plans and a statement from the mechanical engineer certifying compliance with applicable LORS for major piping or plumbing.	McCord	> 30d pt installation				
598	CEC		x		MECH-3	CBO Submittal - HVAC Specs, etc.	Upon completion of any increment of construction, request CBO's inspection and approval of that construction.	McCord	Upon completion of increment of construction				
599	CEC		x		MECH-3	CBO Submittal - HVAC Specs, etc.	Submit to the CBO the required HVAC and refrigeration plans and a statement from the mechanical engineer certifying compliance with applicable codes. Submit copy of the transmittal letter to the CPM.	McCord	> 30d pt const of HVAC or refrig system				
600	CEC		x		ELEC-1	CBO Submittal - Electrical Equipment and Systems	Submit to the CBO the final plant design plans and a signed/stamped stamped statement from the responsible electrical engineer attesting compliance with the applicable LORS.	McCord	> 30d pt start of each increment of construction		04/01/11		
601	CEC		x		ELEC-1	CBO Submittal - Electrical Equipment and Systems	Request that the CBO inspect the installation to ensure compliance with the requirements of applicable LORS.	McCord					
603	CEC		x		ELEC-1	CBO Submittal - Electrical Equipment and Systems	At least 30d pt the start of each increment of electrical construction, submit to the CBO for design review and approval the listed documents.	McCord	> 30d pt start of each increment of construction		04/01/11		
604	CEC		x	x	ELEC-1	CBO Submittal - Electrical Equipment and Systems	Retain approved final plant design plans and calculations onsite for the life of the project.	Operations					
608	CEC	x	x		PAL-2	PRS Submittal - Stie Drawings Showing Disturbance Areas	Submit letter of any construction phase schedule changes.	SWCA	< 5d of identification				
609	CEC	x	x		PAL-2	PRS Submittal - Stie Drawings Showing Disturbance Areas	If construction proceeds in phases, submit maps and drawings.	SWCA	pt start of each increment of construction		05/01/11	4-Jan-11	
610	CEC		x		PAL-2	PRS Submittal - Stie Drawings Showing Disturbance Areas	PRS or PRM consult weekly with the superintendent or construction field manager to confirm upcoming activity locations.	SWCA	until gd is completed		01/17/11		
613	CEC		x		PAL-3	Paleontological Resources Monitoring and Mitigation Plan	Copies of the PRMMP shall reside with the PRS, each monitor, the project owner's on-site manager and the CPM.	SWCA	Ongoing				
615	CEC		x		PAL-4	Paleontological WEAP	If PRS determines that paleontological materials could be impacted, conduct weekly paleo training for all personnel supervising, directing or conducting ground-disturbing activity.	SWCA	weekly during gd		01/17/11		
617	CEC		x		PAL-4	Paleontological WEAP	Submit resume of any alternative paleo trainer (if applicable).	SWCA	Ongoing				
621	CEC		x		PAL-5	PRS Monitoring and Stop Work Authority	Notify CPM of any significant paleo resource encountered.	SWCA	< 24hrs upon discovery				

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Internal Due Date	Date Final Due	Date Submitted to Agency	Agency Status
622	CEC		x		PAL-5	PRS Monitoring and Stop Work Authority	Notify CPM of any noncompliance related to paleo resources.	SWCA	< 24hrs upon discovery				
623	CEC		x		PAL-5	PRS Monitoring and Stop Work Authority	Implement PRMMP, maintain daily logs. Submit for approval any change in paleo monitoring plan.	SWCA	Ongoing				
624	CEC			x	PAL-6	Paleontological Resource Curation	Retain copies of signed contracts with the designated PRS and other specialists; also the Paleontological Resource Report.	Operations	3yr after construction completion		07/01/14		
625	CEC		x		PAL-6	Paleontological Resource Curation	Submit copy of letter to curating institution - if fossils found.	SWCA	Ongoing				
625	CEC		x		PAL-6	Paleontological Resource Curation	Ensure proper implementation of curation procedures according to the PRMMP Pay fees for curation of paleo materials. Submit letter of materials transmittal to the curation facility to CPM.	SWCA	Ongoing				
626	CEC		x		PAL-7	Paleontological Resources Report	Submit a Paleontological Resources Report (PRR).	Tetra Tech	< 90d after gd		09/28/14		
629	CEC		x		TSE-2	Electrical Engineer - Staff Assignment Civil Engineer - Staff Assignment	Notify the CPM of the CBO's approval of the new engineer within five days of the approval.	Watson	< 5d of approval				
629	CEC		x		TSE-2	Electrical Engineer - Staff Assignment Civil Engineer - Staff Assignment	If an engineer is reassigned or replaced, submit resume of replacement.	Watson	< 5d of replacement				
631	CEC		x		TSE-3	Design Discrepancy Submittals	Document and recommend corrective actions for any discrepancy in design and/or construction engineering work that has undergone CBO design review and approval. Submit a copy of the CBO's approval or disapproval of any corrective action taken to resolve a discrepancy to the CPM.	BV	< 15d of receipt				
631	CEC		x		TSE-3	Design Discrepancy Submittals	If resolution is disapproved, advise the CPM the reason for the disapproval, along with the revised corrective action required to obtain the CBO's approval.	Koser	< 5d of notification				
634	CEC		x		TSE-4	CBO Submittal - Power Plant Switchyard, Outlet Line and Termination Design Plans	Request that the CBO inspect the installation to ensure compliance with the requirements of applicable LORS.	Gavaldon					
635	CEC			x	TSE-4	CBO Submittal - Power Plant Switchyard, Outlet Line and Termination Design Plans	Retain all plans, including changes, on site for one year after completion of construction.	Operations	1yr after construction completion		06/26/15		
643	CEC		x	x	TSE-8	Code Compliance	In case of non-conformance of Tline construction or operation, notify CPM and CBO and describe the corrective actions to be taken.	Watson	< 10d upon discovery				
643	CEC		x	x	TSE-8	Code Compliance	Inspect transmission line to ensure conformance with applicable codes and standards.	Watson	Ongoing				
644	CEC		x	x	COMPLIANCE-1	Unrestricted Access	Provide CEC staff and delegate agencies or consultants unrestricted access to the power plant site.	NextEra					
645	CEC		x	x	COMPLIANCE-2	Compliance Record	The project owner shall maintain project files on-site.	Operations					
646	CEC		x	x	COMPLIANCE-2	Compliance Record	Energy Commission staff and delegate agencies shall be given unrestricted access to the files.	Operations					
647	CEC	x	x	x	COMPLIANCE-3	Compliance Verification Submittals	The project owner is responsible for the delivery and content of all verification submittals to the CPM, whether such condition was satisfied by work performed or the project owner or his agent.	NextEra					
651	CEC			x	COMPLIANCE-7	Annual Compliance Reports	Submit Annual Compliance Reports instead of Monthly Compliance Reports.	Operations	Annually				
652	CEC	x	x	x	COMPLIANCE-8	Confidential Information	Submit confidential information to CEC Executive Director with a request for confidentiality.	Gavaldon	Ongoing				
654	CEC			x	COMPLIANCE-10	Planned Facility Closures	Submit a closure plan to the CPM.	Operations	> 12m pt closure				
655	CEC		x		COMPLIANCE-11	Unplanned Permanent Facility Closure	Submit an on-site contingency plan.	McCord	> 90d of CPM determination				
656	CEC		x		COMPLIANCE-12	Unplanned Permanent Facility Closure	In the event of an unplanned permanent closure, notify agencies take all necessary steps to implement the on-site contingency plan.	Gavaldon	< 24 hrs of closure				
657	CEC	x	x	x	COMPLIANCE-13	Post Certification Changes to the Decision	Petition the Energy Commission to delete or change a condition of certification, modify the project design or operational requirements and/or transfer ownership of operational control of the facility.	NextEra	Ongoing				
					AQ-8 Gen 2		See AQ-9 Revise list						

**Appendix A**  
**Equipment List and Rating**

**AQ-SC5**

**Diesel Engine Emissions Monitoring and Reporting**

Genesis Solar Energy Project

BPC Master Equipment List

Equipment Type	Equip Number	Brand /Model	Registration Number	Expiration Date YYYYMMDD	Serial Number	Engine Year	Horsepower	Tier Rating	Contractor	Rental Company	Mobilization Date	Demobilization Date	Notes
International Truck	201070	International 4400	N/A	N/A	1HSMTAANX7H416035	2007	245	3	BPC	ARB, Inc	1/3/2012		
International Truck	201071	International 4400	N/A	N/A	1HSMTAANX7H416066	2006	245	3	BPC	ARB, Inc	1/3/2012		
International Truck	671187	International 4400	N/A	N/A	GHW19585	2001	245	3	BPC	ARB, Inc	1/3/2012		
International Truck	19585	International 4400	N/A	N/A	GHW21922	2006	245	3	BPC	ARB, Inc	1/3/2012		
International Truck	21922	International 4400	N/A	N/A	1FUBCXDJ26HW22243	2005	245	3	BPC	ARB, Inc	1/3/2012		
International Truck	22245	International 4400	N/A	N/A	1FUBCXDJ66HW22245	2005	245	3	BPC	ARB, Inc	1/3/2012		
International Truck	22243	International 4400	N/A	N/A	GH245528	2006	245	3	BPC	ARB, Inc	1/3/2012		
CAT 966K Loader	EW9X35	CAT	EW9x35	N/A	MME03058	2012	267	4	BPC	ARB, Inc	2/27/2012		
Backhoe 420E	RLF1940	CAT	UJ5H37	N/A	C4E17607	2011	89	3	BPC	ARB, Inc	3/23/2012		
Backhoe 420E	392086	CAT	AY7P48	N/A	CAT0420ETHLS02145	2006	93	3	BPC	ARB, Inc	4/20/2012		
Backhoe 420E	392092	CAT	KX8H98	N/A	CAT0420EPR00367	2009	93	3	BPC	ARB, Inc	5/1/2012		
10K Sky Trac	343891	SKYTRAK	HF5G53	NA	0160040952	2011	109	3	BPC	Sunbelt Rental	3/5/2012		
10K Sky Trac	321505	SKYTRAK	FG7H48	NA	0160039955	2010	110	3	BPC	Sunbelt Rental	3/6/2012		
20K Forklift Hyster 210	07-792	Hyster	EJ9A88	N/A	D019D02307U	2007	155	3	BPC	Sunbelt Rental	3/6/2012		
Water Truck 4000G	462817	CAT	N/A	N/A	WAX14043	2006	275	3	BPC	Sunbelt Rental	4/5/2012		
75KV generator	358392	MQ POWER	155110	20140731	7351646	2011	97	3	BPC	Sunbelt Rental	4/11/2012		
45KV generator	368855	MQ POWER	155937	20140831	8202290	2011	75	4I	BPC	Sunbelt Rental	4/11/2012		
10K Sky Trac 10054	381629	SKYTRAK	WW9J44	NA	0160036743	2008	82	3	BPC	Sunbelt Rental	4/9/2012		
10K Sky Trac 10054	381631	SKYTRAK	DM3H74	NA	0160034877	2008	110	3	BPC	Sunbelt Rental	4/9/2012		
10K Sky Trac 10054	321673	SKYTRAK	TN7C35	NA	0160039953	2010	110	3	BPC	Sunbelt Rental	3/30/2012	4/17/2013	
10K Sky Trac 10054	381639	Cummins	CG5V33	41274	15516	2010	110	3	BPC	Sunbelt Rental	4/25/2012		
10K Sky Trac 10054	348226	SKYTRAK	LL6B53	NA	0160040955	2011	110	3	BPC	Sunbelt Rental	5/15/2012		
T-800 Water Truck	213015	Kenworth	8N99354	8/13/0000	1NKDLU0XX4R052569	2003	375	3	BPC	ARB, Inc	5/24/2012		
56KV generator	338255	MQ POWER	154840	20140630	7351550	2011	97	3	BPC	Sunbelt Rental	5/29/2012		
36KV generator	368854	MQ POWER	155936	20140831	8202291	2011	75	4I	BPC	Sunbelt Rental	5/29/2012		
100KW Diesel Generator	349720	MQ POWER	155090	20140731	7510368	2011	179	3	BPC	Sunbelt Rental	8/3/2012		
10K Shooting Boom Forklift	381645	SKYTRAK	XV9H65	NA	0160034533	2008	110	3	BPC	Sunbelt Rental	8/3/2012		
10K Shooting Boom Forklift	454967	SKYTRAK	XB3W68	NA	0160046153	2012	100	4I	BPC	Sunbelt Rental	8/28/2012		
45 Ton TEREX Crane	BE4512	RT345-1XL	MT8A46	7/31/2015	160952	2012	160	4	BPC	Carde Pacific	9/3/2012		
56KW Generator	467640	MQ POWER	159017	20150731	8802292	2011	98	3	BPC	Sunbelt Rental	10/10/2012		

Genesis Solar Energy Project

BPC Master Equipment List

Equipment Type	Equip Number	Brand /Model	Registration Number	Expiration Date YYYYMMDD	Serial Number	Engine Year	Horsepower	Tier Rating	Contractor	Rental Company	Mobilization Date	Demobilization Date	Notes
3394RT Scissor Lift	247011	JLG	N/A	N/A	0200191193	N/A	82	3	BPC	Sunbelt Rental	10/10/2012		
56KW Generator	494444	MQ POWER	159997	20150831	7352686	2012	98	4I	BPC	Sunbelt Rental	10/11/2012		
56KW Generator	467644	MQ POWER	159018	20150731	8802310	2011	98	3	BPC	Sunbelt Rental	10/11/2012		

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

5/1/2013

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	Skytrak10054	WV7G87	n/a	160045259	2012	85	4	SPX	United Rental	4/17/12	1/1/13	
Aerial Lift	JLG 600S-D-4WD	JA3S89	n/a	300100537	2006	65	2	SPX	United Rental	4/9/12	5/9/12	
12K Reach Forklift	JLG G12-55A-CAB	WS4U93	n/a	160042642	2011	130	3	SPX	United Rental	4/16/12	1/1/13	
10K Reach Forklift	SkyTrak10054	NL5S46	n/a	160028758	2006	110	3	SPX	United Rental	3/30/12	8/2/12	
10K Reach Forklift	SkyTrak10054-CAB	MG7N93	n/a	160045262	2012	85	4	SPX	United Rental	4/17/12	8/14/12	
90T Hydraulic Crane	Link Belt RTC 8090 II	PW7X77	n/a	N4J9-1414	2008	275	3	SPX	Bragg Crane	4/19/12	1/1/13	
Skid Steer Loader	Bobcat T190	JP8A55	n/a	A3LN40197	2011	66	4	SPX	United Rental	4/2/12	8/2/12	
Crawler Crane	Manitowoc 2250	UN4J99	n/a	2251187	2004	500	2	SPX	Bragg Crane	4/20/12		
Aerial Lift	Genie S80	SP9S45	n/a	S8006-5239	2008	69	3	SPX	United Rental	5/9/12	8/2/12	
Aerial Lift	JLG 1200S	LX7E63	n/a	300108357	2007	87	4	SPX	United Rental	5/9/12	5/25/12	
Aerial Lift	JLG 860S	WK3P33	n/a	300087288	2005	64.5	4	SPX	United Rental	5/9/12	8/11/12	
Off H-Way Truck	YT30	LG4V94	n/a	305188	2002	148	3	SPX	United Rental	5/16/12		
Aerial Lift	Genie S85D-4WD	MB9A48	n/a		2001	53	4	SPX	United Rental	5/25/12	8/12/12	
Crane	Tadano GR150XL-1	GK4C54	n/a	FD1373	2006	135	3	SPX	Bragg Crane	6/1/12		
Crawler Crane	Liebherr LR 1160	EW4G63	n/a	134105	2007	362	3	SPX	Bragg Crane	6/1/12		
Aerial Lift	Snorkel TB80	EB3J97	n/a	JA07011	2006	64	4	SPX	United Rental	6/6/12	6/11/12	
Forklift	Doosan D130S-5	FU8T96	n/a	FDC02-1270-00441	2012	138	3	SPX	United Rental	3/30/12	8/2/12	
Aerial Lift	JLG 600S	GP4P96	n/a	300068195	2002	64	4	SPX	United Rental	6/11/12	7/23/12	
Aerial Lift	Genie S60X	JL4L53	n/a	1121723	2010	48.6	4	SPX	United Rental	6/11/12	10/10/12	
Aerial Lift	JLG 860SJ	VA5H57	n/a	300140695	2010	62	4	SPX	United Rental	6/8/12	7/27/12	
Aerial Lift	Genie S85-D-4WD	HA3V64	n/a	S8008-7276	2008	74	3	SPX	United Rental	6/11/12		
Aerial Lift	Genie S-40	PG4E79	n/a	S4005-8825	2005	48	3	SPX	United Rental	6/12/12	10/9/12	
Aerial Lift	Genie S-85	BA7H58	n/a	S8512-9424	2012	74	4	SPX	United Rental	6/26/12		
Aerial Lift	JLG 600S	TE7W96	n/a	300160743	2012	49	4	SPX	United Rental	7/13/12	8/2/12	
Aerial Lift	Genie S120-D-4WD	LP5R53	n/a	S12005-1090	2005	74	3	SPX	United Rental	7/29/12	8/23/12	
Aerial Lift	Genie S125-D-4WD	BA4U44	n/a	S12511-3021	2010	78	3	SPX	United Rental	12/10/12		
90T Hydraulic Crane	Link Belt RTC-8090_II	LV6S67	n/a	N4J9-0909	2008	275	3	SPX	Bragg Crane	7/27/12	10/1/12	
12K Reach Forklift	JLG G12-55A_HVY_DTY	MN3A47	n/a	160041880	2011	130	3	SPX	United Rental	8/2/12		
10K Reach Forklift	JLG 10054	AR8H47	n/a	160047046	2012	75	3	SPX	United Rental	8/14/12	1/1/13	
Tractor	Deere 210LJ	EP9H67	n/a	1T0210LJB089	2011	75	3	SPX	United Rental	8/14/12	1/1/13	
Aerial Lift	Genie S-125	NR3S59	n/a	S12511-2966	2010	74	3	SPX	United Rental	8/23/12	1/1/13	
Aerial Lift	Genie S-125	NJ3W39	n/a	S12511-2974	2010	75	3	SPX	United Rental	8/14/12	10/9/12	
Aerial Lift	JLG 1200SJP	EM7F54	n/a	300156959	2011	75	3	SPX	United Rental	8/29/12	1/1/13	
90T Hydraulic Crane	Link Belt RTC-8090_II	UT4J94	n/a	N4J91312	2008	275	3	SPX	Bragg Crane	10/1/12		
Aerial Lift	JLG 860SJ	JV3E73	n/a	300162263	2012	62	4	SPX	United Rental	10/9/12	1/1/13	
Aerial Lift	Genie S-85	HS9W65	n/a	S8511-8742	2010	74	3	SPX	United Rental	12/10/12	1/1/13	
Aerial Lift	Genie S-85	NA3M59	n/a	S8008-6905	2008	78	3	SPX	United Rental	1/1/13		
12K Reach Forklift	JLG G12-55A-CAB	BF5N78	n/a	160045671	2012	130	3	SPX	United Rental	12/17/12		
<b>ON ROAD VEHICLES - DO NOT REQUIRE OFF ROAD REGISTRATIONS</b>												
RSC WATER TRUCK	F750		n/a	3FRXF75E65V122809		350		SPX	United Rental	5/2/12		

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

6/3/2013

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
8K Reach Forklift	Skytrak 8042	TK5B38	n/a	160029782 LGE15003852 / 686535	2007	110-82	3	Largo Concrete	RSC	12/15/11		
8K Reach Forklift	Skytrak 8042	SG3T73	n/a	160042269 LGE15003364 / 886599	2009	110-82	3	Largo Concrete	RSC	12/15/11		
8K Reach Forklift	JLG G9-43A	YT5B39	n/a	833747	2006	99	3	Largo Concrete	RSC	5/30/13		
8K Reach Forklift	JLG 1054	GP7S78	n/a	10072928	2012	71	3	Largo Concrete	RSC	4/15/13		
8K Reach Forklift	JLG 9-43	WK6S38	n/a	837672	2006	99	3	Largo Concrete	RSC			
10K Reach Forklift	JLG 10054	KK5P59	n/a	10073190	2012	100	3	Largo Concrete	RSC	5/30/13		
Forklift	Skytrak 8042	MR4F99	n/a	LG021010016 866000	2010	130	3	Largo Concrete	RSC	4/15/13		
Forklift	JD 210LJ	FJ6X54	n/a	854958	2010	84	3	Largo Concrete	RSC	5/10/13		
Skiploader	JD 3210LE	FX8P94	n/a	0210LE884721 763095	2003	77.8	3	Largo Concrete	RSC	5/12/13		
Skiploader	JD 210L J	TH3U69	n/a	1TO210LJLVB0890404 866995	2010	56-75	3	Largo Concrete	RSC	12/27/11		
Skiploader	JD 210 LE	BP4H43	n/a	1T0210LE884563 751257	2005	75.1	3	Largo Concrete	RSC			
3 Yard Loader	Deer 544-K	VL6L84	n/a	1DW544KZTA0628594 804736	2010	114 KW	3	Largo Concrete	RSC	1/10/12		
Loader	JD 210LE	KF5H65	n/a	T0210LE884232	2005	75	3	Largo Concrete	RSC	5/17/12		
Roller-Ingersol	SD116D4	EL3B97	n/a	186167 174902	2005	115	3	Largo Concrete	RSC	2/16/12		
Backhoe/Loader	JD310JJ	WX9R95	n/a	IT0310JJABD207956	2011	-	-	Zarp	OWNED	2/27/12		
Backhoe/Loader	JD410J	NX9A65	n/a	T0410JX178935	2010	-	-	Zarp	OWNED	2/19/12		
Backhoe/Loader	JD 250 G	TA8X68	n/a	1FF250GXJBE608019	2012			Zarp	RDO	5/1/12		
Backhoe/Loader	JD 310	WX9R94	n/a	1TO310SJABD207956 X310401	2010			Zarp	RDO	3/1/12		
Backhoe/Loader	JD 410G	AK7D63	n/a	T0410GX957845	1998			Zarp	RDO	4/25/12		
Backhoe/Loader	CAT 420E	FE4P69	n/a	0430WPWAT01101	2010			Zarp	RDO	4/18/12		
<b>ON ROAD VEHICLES - DO NOT REQUIRE OFF ROAD REGISTRATIONS</b>												
5 Yd Dump Truck	Ford F750	n/a		3FRXF75EX7V509379 683111		215		Largo Concrete	RSC	2/16/12		
2000 gal water truck	Ford 750	n/a		3FRXF7FA2BV557236 880540				Largo Concrete	RSC	5/17/12		

Genesis Solar Energy Project  
PMI Over 50hp Diesel Equipment List

5/20/2013

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
Crawler Crane	Manitowoc 2250	UNG638	N/A	2251135	2001	450	II	Dielco Crane	N/A	7/2/12		
Rough Terrain Crane	Link-Belt RTC 8090	HG4A49	N/A	N4J91247	2009	235	III	Dielco Crane	N/A	7/2/12		
Rough Terrain Crane	Link-Belt RTC 8090	SX8546	N/A	N4J79629	2007	275	III	Dielco Crane	N/A	8/17/12		
Rough Terrain Crane	Grove RT 875E	WS9Y85	N/A	226419	2007	240	III	Dielco Crane	N/A	9/24/12		
8000# Fork Lift	SKYTRK/8042	TA7K46		849621	2012	110	IIII	PMI	United	6/25/12		
JLG Model 600 Lift	JLG/600A	MT8P58		10049251	2012	49	IIII	PMI	United	6/25/12		
Generator 70-84kva	MQ / DC70SSIU2C	151845		1160351	2010	125	III	PMI	United	7/27/12		
Generator 45-49-kva	MQ / DC45	152309		1165478	2010	69	IIII	PMI	United	7/3/12		
10000# Fork Lift	Gradall	PK4G83	NONE	GTH1006A-9236	2006	115	II	PMI	United	8/13/12	9/7/12	Returned, not used
9000# Fork Lift	Gradall	RM4R53	NONE	160027849	2007	115	II	PMI	United	8/14/12	8/27/12	Returned, not used
80 foot boom lift	JLG800AJ	MG9W35	NONE	11152570	2011	62	4	PMI	Ahern	8/20/12	11/16/12	Returned
12000# Fork lift	XRM1254	FC6P67	NONE	XRM1254050790428	2007	108	III	PMI	Ahern	8/24/12		
30K fork lift	Cat/DP150			6dpm208	2005	129	II	PMI	United	8/20/12	9/11/12	Returned, not used
Yard Goat	Ottawa	DA5H53		327393	2011	160	III	PMI	United	8/22/12		
Generator	Magnum/MMG100	None	NONE	PE4045LO15137	2007	122	III	PMI	Ahern	8/29/12		
34K Fork Lift	HYSTER	VT5C39		G019E02568H	2011	155	III	PMI	United	9/11/12		
10000# Fork Lift	JLG	DY9H37	NONE	1060047242	2012	125	4	PMI	United	9/7/12		
10000# Fork Lift	SKYTRK	TN3R65		160041049	2011	125	III	PMI	United	8/7/12	9/26/12	returned
10000# Forklift	Gehl/DL11-55	PK5G37	None	DL1155HJD0741530	2012	115	4	PMI	KING EQUIP	9/7/12		
60' Articulating Boom	Genie/Z60	XY3W75	None	Z60089175	2008	49	4	PMI	KING EQUIP	9/7/12		
80' Articulating Boom	Genie/Z80-60	HT9R54	None	Z80123612	2012	74	4	PMI	KING EQUIP	9/10/12		
12000K Fork Lift	Gehl/DL12 IT4	FA3W69	NONE	DL1240HJD0850934	2012	115	4	PMI	KING EQUIP	9/27/12		
10000# Fork Lift	SKYTRK	RM6K98	NONE	160044131	2011	125	III	PMI	United	9/26/12		
65kva Generator	MMD PowerPro65	158401	5/31/2015	1478B10280	2011	97.9	III	PMI	Red-D-Arc	10/11/12		
65kva Generator	MMD PowerPro65	158402	5/31/2015	1478B10284	2011	97.9	III	PMI	Red-D-Arc	10/11/12		
45 kw gen (70)	multiquip	151846	NONE	1351373	2010	125	III	PMI	united	10/9/12		
385 CFM compressor	Atlas Capco		NONE	PE404HF285	2011	125	III	PMI	KING EQUIP	10/16/12		
375 CFM compressor	Atlas Capco	142869	NONE	PE4045H660408	2010	124	III	PMI	Ahern	10/17/12		
Carry Deck	Shuttle Lift 7755	XG3T33	N/A	321016	2009	130	III	Dielco Crane	N/A	11/13/12		
10000# Fork Lift	JLG	JB7W49	none	160049525	2012	130	IIII	PMI	United	12/10/12		
Rough Terrain Crane	Link-Belt RTC 8080	UA6D49	N/A	N4K33223	2012	260	IIII	Dielco Crane	N/A	12/17/12		
100 kva Generator	Deere		N/A	PE6068L015079	2007	216	III	PMI	United	12/21/12		
10000# Forklift	Gehl/DL11-55	XB7G76	NONE	DL1155HJD0941566	2012	115	4	PMI	KING EQUIP	1/28/13		
10000# Forklift	JCB	BJCBL04	NONE	SF320/40436U1060812	2012	85	4	PMI	United	2/4/13		
Rough Terrain Crane	Grove RT 890E	PE4V47	N/A	230418	2008	275	III	Dielco Crane	N/A	2/12/13		
Rough Terrain Crane	Link-Belt RTC 8090	WD7557	N/A	N4K33407	2013	275	IIII	Dielco Crane	N/A	3/5/13		
125' Boom Lift	Genie/S125	SW4J67	None	S12512D-164	2012	74	T4i	PMI	KING EQUIP	3/11/13	3/28/13	
45 kw gen (70)	magnum	131912	none	63141	2008	80	III	pmi	united	3/21/13		
Truck Crane	American 8460	PT6R97	N/A	8109A02840	2008	365	III	Dielco Crane	N/A	3/26/13		carrier
Truck Crane					2012	425	IIII	Dielco Crane	N/A	3/26/13		upperworks
70 KVA Generator	Himoinsa/HRJW75	159075	7/31/2015	121000547	2012	99	III	PMI	Hertz	3/27/13		



**Appendix B**

**Biological and Botany Reports**

**BIO-8: Impact Avoidance and Minimization Measures**

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

**GENESIS SOLAR ENERGY PROJECT  
BIOLOGICAL RESOURCES  
MONTHLY COMPLIANCE REPORT  
FOR MAY 2013**



***Prepared for:***

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May 2013



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### **ATTACHMENTS**

- 1 Figures
- 2 Species Observed During May Surveys and Monitoring
- 3 Daily Biological Monitoring Logs
- 4 Survey Data Forms
- 5 Agency Correspondence

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## INTRODUCTION

AECOM biologists are performing biological resource construction monitoring for the Genesis Solar Energy Project (Project or GSEP) on behalf of Genesis Solar, LLC. The GSEP construction activities are currently focused on the Plant Site (approximately 1,727 acres), Fiber Optic Line, Gas Line and the Transmission Line. Surveys for the transmission line, gas line, and fiber optic line installation were completed for construction outside the permanent fence. 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 May 2013. The following biological surveys and monitoring took place in May 2013:

- Weekly reconnaissance for ravens, focusing on potential subsidies; and, daily recording of raven sightings.
- Biological monitoring of the Plant Site, Fiber Optic Line, Gas Line and Transmission Line.
- Monthly Evaporation Pond Monitoring (BIO – 21)

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 Wildlife (CDFW), 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 May 2013, 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 – General site activities including powerblocks one and two construction, permanent fence construction, mirror installation, piping and, laydown yard activities. All Plant Site construction activities occurred within the desert tortoise (DT) exclusion fencing. Two desert kit foxes (DKF), a collared parent and pup, were observed on site, May 29, 2013, during a CDFW DKF status and trapping effort. There were other ancillary reports of foxes on site. Ingress and egress points were identified and are being addressed. No other special status species sightings were observed on site during the month of May. The temporary exclusion 6' high chain link fence installed in February 2013 around a pipe laydown to discourage fox use remained in place. The area the foxes occupied continues to be monitored. Neither DKF nor fox sign were observed within the temporary exclusion fence. Mirror fields were monitored as part of general site monitoring. One Eared Grebe and one Western Grebe were removed from the mirror array and taken to a rehabilitation facility. No DT, American badger (AB), Couch's spadefoot toad (CST), or nesting birds were detected during monitoring on site. A variance was approved for night time work. A biologist is not required to be on site during night time construction but is required to be on-call.
  - 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). The majority of plant traffic obeyed speed limits during May 2013. Speeding vehicles, if observed, were reported to the Environmental Compliance Manager and/or construction managers. Drivers observed speeding were held accountable by contractors. Vehicle speed and speed limits were discussed with contract personnel to reinforce compliance. Daytime and nighttime speed limits that had been changed in a variance allowing nighttime work continued to be in effect. (Genesis (09-AFC-08) GSEP PMI Night Work, VIS-2/BIO-8, CPM approval) The daytime (05:45 to 19:30) speed limit is 45 MPH. The nighttime (1930 to 05:45) speed limit is 25 MPH. A one thousand foot 24 hour 25 MPH zone established along the

west end of the paved access road due to a natal DKF den in the area remained in place.

- Monitored limited fiber optic line installation/location activities outside of the tortoise exclusion fence. Specifically, crews were reminded of the potential for sensitive species to occur outside the plant site fence and the importance of inspecting the ground beneath parked vehicles prior to any motor vehicle activity. The activities were monitored and the work areas cleared daily by biologists prior to the start of work. Ground disturbing activities associated with fiber optic activities were monitored during the month of May. No sensitive species were observed during fiber optic line installation.
- Monitored transmission line activities including wire pulling, grounding and clean-up outside of the tortoise exclusion fence. Pole pads were delineated with stakes and flagging to limit disturbance. Biological monitors were present during transmission line activities within the work zone and applicable biological buffers (i.e., red-tailed hawk [RTHA], and other nesting birds). At the commencement of each work day the ground beneath equipment parked outside the tortoise exclusionary fence was inspected for wildlife and the areas of construction were surveyed for sensitive species. A desiccated CST was found during monitoring activities. A UTM and photos were taken. The finding was reported to agencies. No other sensitive species were found. Crews were reminded to remain within designated work areas and to inspect ground beneath vehicles prior to moving during morning tailboards and meetings. All areas were cleared prior to construction and the activities were monitored.
- BMs monitored dust suppression activities and water activities that had potential to result in ponding water. These activities were monitored daily to verify that ponding water was minimized and that water was spread and mixed with soil to prevent raven and other predator attraction. Ponding water at water tanks was minimized by scheduled water tank pad maintenance. A discharge plan is in development for future water discharge events including a water discharge that occurred into a Heat Transfer Fluid (HTF) pit following input from the agencies to the Genesis compliance team. In accordance with conditions, if reportable spills occurred, contaminated soils from spills and drips were reported to DB and cleaned up. The contaminated soil is removed from site by Evergreen Environmental Services to be disposed of at a licensed facility. There were no reportable spills during the May reporting period.

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- **Evaporation Pond Monitoring**

One day per month operational evaporation ponds are monitored. Monitoring for bird activity and mortalities is conducted for two hours in the morning, one hour mid-day, and two hours in the evening. The ponds are checked on a more frequent incidental basis for presence of general wildlife and need for repair. Areas requiring repair were identified and reported to compliance. One bird mortality (a pied-billed grebe) occurred in May associated with the evaporation pond netting.
  - **Exclusion Fence Monitoring**
    - The temporary tortoise exclusion fence was inspected on a weekly basis. An area lacking sufficient fence burial was repaired. The fence was intact and no breaches were found during May 2013.
    - The DT grate at the Plant Site entry from the access road was inspected on a daily basis and maintenance (e.g., removal of soil build-up) was performed when necessary. The DT grate was intact and functional during May 2013.
    - Construction of the permanent DT exclusion fence around the plant site is almost complete. The temporary exclusion fencing is still in place and is located outside the permanent fence. The temporary fencing is inspected routinely. The permanent fencing will be inspected routinely upon removal of the temporary fencing. Occasional inspections of the permanent fencing occur as-needed to confirm integrity (i.e., after completion of new sections, gate installations, and repairs).
  - **Raven Monitoring**
    - Monitors recorded incidental raven observations and activities during general construction monitoring. Typically, ravens were observed perched on power poles or flying in the common area or parking areas.
    - Biweekly point count surveys were conducted. The results from the raven surveys are reported below. Biweekly raven counts will continue throughout the construction phase. No raven nesting sites have been observed. Potential subsidies (i.e., possible nesting, ponded water, roadkill) were monitored per the Raven Plan.
  - **Monitoring of ESAs**
    - All construction activities, with the exception of fiber optic line installation, gas line installation, transmission pole installation, and maintenance of unpaved portions of the access road occurred within the Plant Site.

- All biological ESAs are outside of the tortoise exclusionary fencing. ESAs along access road are marked.
- Special Status Species Surveys and Monitoring
  - DKF monitoring with wildlife cameras and radio telemetry was conducted on behalf of CDFW and BLM. This monitoring effort is in support of a CDFW and BLM study and is not part of the Project monitoring requirements. Therefore, data and information from these monitoring efforts are not reported further in the MCR.
  - One former DKF location is being monitored on site. A temporary exclusionary fence has been installed around the pipe laydown yard location which the foxes had been using. The pipe laydown yard is being monitored.

## **SURVEY METHODS AND RESULTS**

Pre-construction surveys have been completed and the GSEP site is in the construction phase. Results of the transmission line, fiber optic line and gas line surveys are summarized upon completion and submitted to the agencies as required. Special status species observations (e.g., nesting birds and potential DKF burrows) were reported to the resource agencies prior to construction activities to obtain concurrence on buffers and monitoring as required by the conditions. Surveys conducted during construction per the COCs are summarized below and include nesting birds (as-needed), raven monitoring, and golden eagle surveys as appropriate. Survey methods and results for activities conducted during May 2013 are summarized below.

### Nesting Bird Surveys

Nesting bird surveys were not required for outside the fence activities. Nests found during previous surveys were monitored. Avoidance, minimization, and monitoring measures proposed in the nesting reports have been implemented during off site construction. Overall monitoring and work procedure planning was effective in preventing impacts to nesting behavior. It does not appear as if there were any nest failures as a result of construction activities.

### 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 57 incidental raven sightings during 25

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monitoring days. This represents a month-over-month decrease<sup>1</sup> in incidental raven observations.

Formal raven monitoring in accordance with the COCs consisted of monthly and bi-weekly surveys per the Raven Plan. There are seven raven monitoring point locations (Attachment 1). Ravens recorded are within an 800m radius. Two ravens were observed during the May 1 survey, one raven was observed during the May 17 survey, and zero ravens were observed during the May 28 survey. One raven was observed during the previous monthly raven count surveys.

One raven nest was detected and is being monitored by the DB and/or BMs for sign of DT predation per the Raven Monitoring, Management, and Control Plan.

## **WEED AND ESA MONITORING**

Sahara Mustard (*Brassica tournefortii*) plants were observed within the Plant Site channel and disturbance areas along the access road. Spot treatment within permanent and temporary disturbance areas was recommended in accordance with the Weed Management Plan; however, chemical treatment cannot occur until BLM approval is obtained. A Pesticide Use Proposal (PUP) was prepared for submittal to the BLM for authorization to apply herbicide to these areas. However, additional NEPA analysis was determined by the BLM to be necessary for application of herbicides at the project site. The NEPA analysis (Environmental Assessment) for the BLM PUP was submitted to BLM on May 14, 2012. It is understood that the PUP and EA have been forwarded to the State BLM office for approval as of the end of the November 2012 period. BLM review and approval is still pending. A treatment plan prepared in accordance with the Weed Management Plan will be ready for implementation in fall 2013 pending BLM approval of the PUP if weeds are present in disturbance areas at that time.

It is understood that ESA monitoring by the Designated Botanist (Alice Karl) occurred weekly during construction activities. ESAs appear to have been avoided.

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

As required by COC BIO-6, all new employees/field staff reporting to the site must receive the Worker Environmental Awareness Program (WEAP) training prior to start of work. All

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<sup>1</sup>There were approximately 121 incidental raven sightings in April 2013. As a note, incidental raven sightings do not provide an accurate assessment of raven population changes. They are incidental sightings only and do not represent independent sightings.

personnel reporting to the field in May received WEAP training. WEAP training records are maintained onsite by the site Environmental Compliance Manager.

### **GENERAL DAILY NOTES AND OBSERVATIONS**

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

### **REFERENCES**

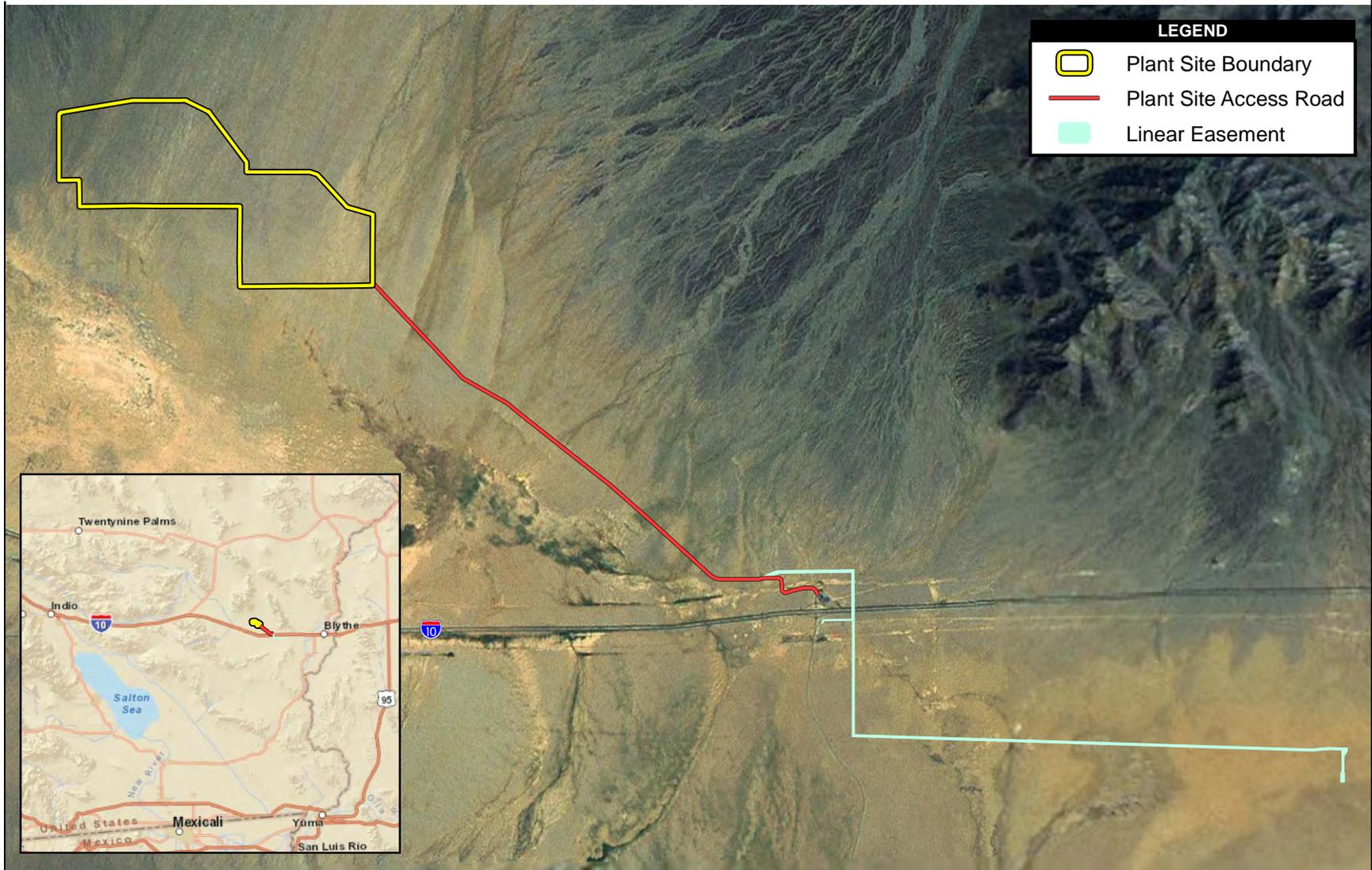
Not applicable during this reporting period.



**ATTACHMENT 1**

**FIGURES**





**LEGEND**

- Plant Site Boundary
- Plant Site Access Road
- Linear Easement

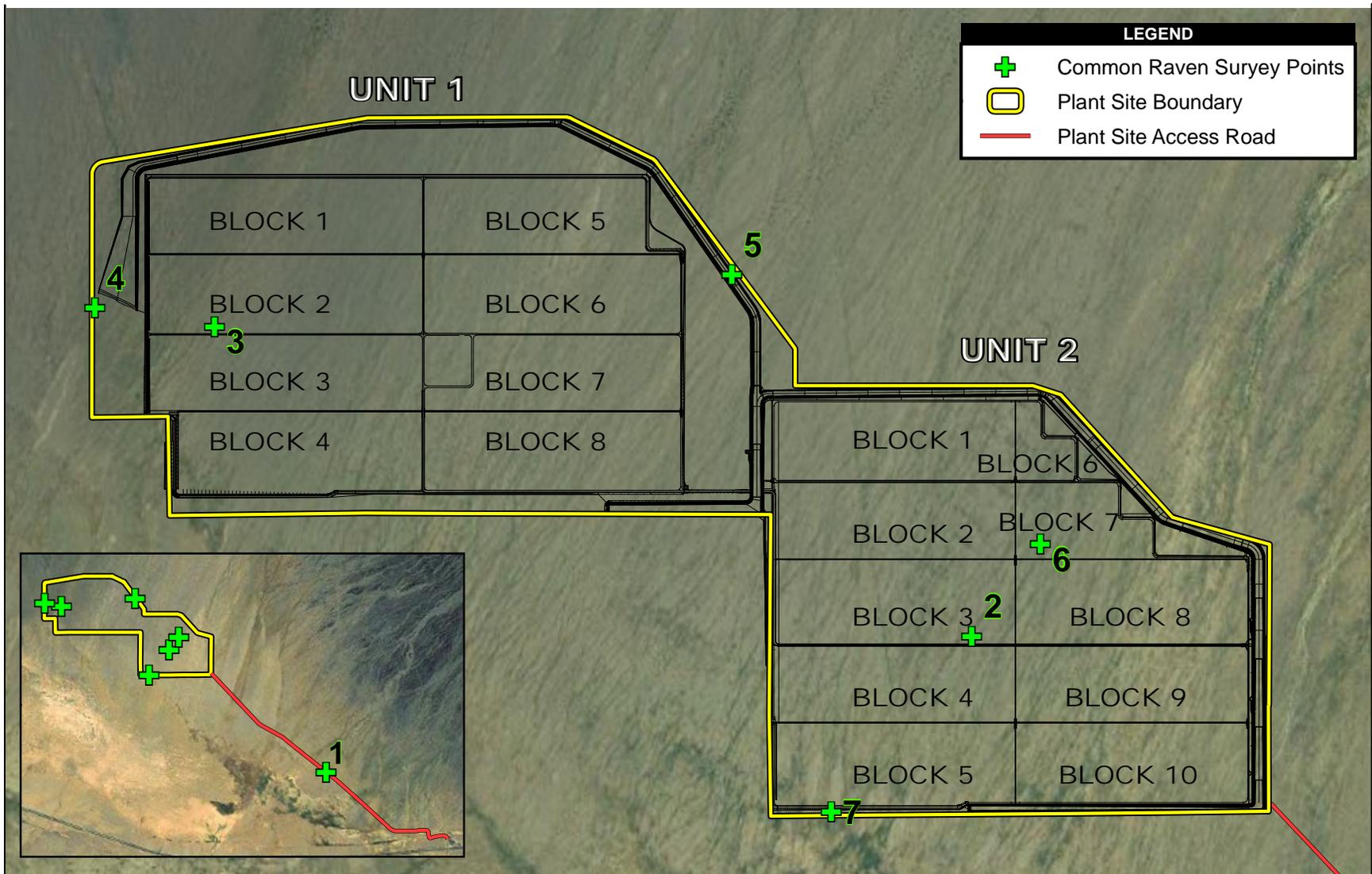
Source: GSEP 2012; AECOM 2012; i-cubed 2010; ESRI 2012



## Genesis Solar Energy Project Vicinity Map

Genesis Solar Energy Project

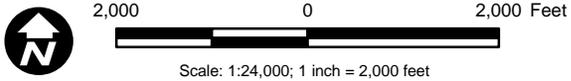
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**LEGEND**

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

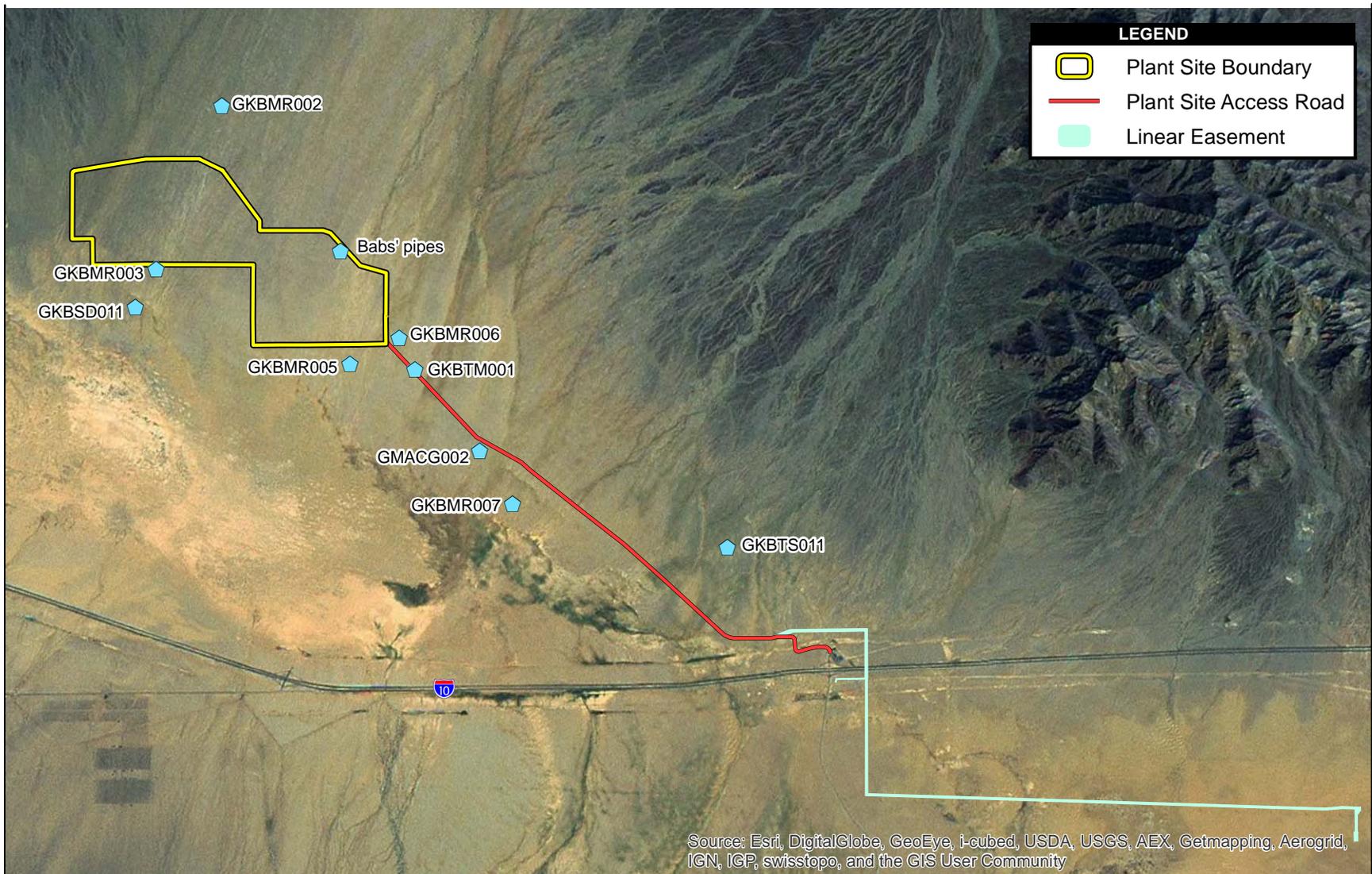
Source: GSEP 2012; AECOM 2012; i-cubed 2010



**Common Raven  
Survey Points**

Genesis Solar Energy Project

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



**LEGEND**

-  Plant Site Boundary
-  Plant Site Access Road
-  Linear Easement

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Source: GSEP 2013; AECOM 2013



Genesis Solar Energy Project

**May 2013 DKF Den Complexes Monitored by  
Camera Stations and/or Periodic Biological Monitor Visits**

Path: P:\2011\60220713\06GIS\6.3\_Layout\Bio\MCR\2013\05 - May\DKF Camera Complexes 20130603.mxd, 6/3/2013, irelandm

**ATTACHMENT 2**

**SPECIES OBSERVED DURING FEBRUARY  
SURVEYS AND MONITORING**



## SPECIES OBSERVED DURING APRIL SURVEYS AND MONITORING

### **Animals:**

Black-tailed jackrabbit  
Coyote  
Desert kit fox  
Kangaroo rat  
Round-tailed ground squirrel

### **Birds:**

American kestrel  
Barn owl  
Barn swallow  
Cactus Wren  
Common raven  
Greater roadrunner  
Great-tailed grackle  
Hermit thrush  
Horned Lark  
Loggerhead shrike  
Mockingbird  
Mourning dove  
Pied-billed grebe  
Prairie falcon  
Peregrine falcon  
Red-tailed hawk  
Rock wren  
Spotted Sandpiper  
Swainson's thrush  
Townsend's  
Warbler  
Turkey vulture  
Western grebe  
White-winged dove  
Willet  
Wilson's warbler  
Yellow-headed blackbird

### **Reptiles:**

Banded gecko  
Coachwhip  
Desert horned lizard  
Desert iguana  
Mojave fringe-toed lizard  
Side-blotched lizard  
Sidewinder  
Western whiptail lizard  
Zebra-tailed lizard



**ATTACHMENT 3**

**DAILY BIOLOGICAL MONITORING LOGS**



# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/1/2013

Monitor: Andrew Fisher  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 92 Low Temp (°F): 72

Start Time: 5:30:00 AM Stop Time: 7:40:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

## Sites Monitored

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

**Activity Log:** Conducted monthly evaporation pond monitoring beginning at 5:49 AM through 7:21 PM. During the morning monitoring session a dead pied-billed grebe was observed caught in the top netting in the middle of the northern evaporation pond. Several holes in the netting from 4-8 inches were observed on the north side of the southern evap pond. Two yellow-headed blackbirds were observed trying to access water in the evap ponds and were chased away.

After the morning evap pond monitoring session I was driving along the main access road in Unit 2 at about 8:20 and noticed a bird (an eared grebe) resting on the ground between two solar trough rows. Upon investigation the bird appeared unharmed, and was picked up, placed in a ventilated card board box, the DB was notified, and the bird was taken to the approved wildlife rehab center in Blythe.

The midday evap pond monitoring session was conducted without detecting any birds.

Then I went to look at the red-tailed hawk nests in the transmission towers on the south side of I-10 and ensure the young birds had not flown into a work area and were accounted for. Then the evening evap pond monitoring was conducted without incident.

## 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			An eared grebe was found alive in Unit 2
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		1CORA observed flying over common area at 8:10
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 5/1/2013

Monitor: Brian Weller  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 93 Low Temp (°F): 66

Start Time: 5:56:00 AM Stop Time: 12:42:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0600-Biologist attended the Wasatch Electric tailboard. The foreman discussed plan of the day and all safety issues. The crew plans to sag wire from 96-C. The crew will also connect fiber to a coyote box at structure 98. The biologist reminded the crew to check under vehicles, be aware of snakes and to follow posted speed limits.

0620-Biologist swept pads and equipment at 98, 96, and A-F. No sensitive biological resources were identified during the sweep.

0735-Biologist monitored the stringing of fiber at structure 98. No sensitive biological resources were impacted by the activity.

0815-Biologist monitored crew splicing wire between structures 92 and 91. No sensitive biological resources were impacted by the activity.

1025-Biologist escorted dozer from structure 98-96. No sensitive biological resources were impacted by the activity.

1128-Biologist monitored crew cleaning up material at pads C-F. No sensitive biological resources were impacted by the activity.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			1 raven foraging near structure 96.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:**    RTHA

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/1/2013

Monitor: Eric German  
 Weather Conditions: Windy, Clouds: 0%, Pcp: None  
 High Temp (°F): 95 Low Temp (°F): 67

Start Time: 5:50:00 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 T-line JSA. 0615 gas line JSA. 0700 gather data regarding pied billed grebe mortality from yesterday. 9745 report of injured eared grebe in mirror field. Bio followed up. Bird taken to rehab. 0800 office. 0830 received notification of bird within south evap pond enclosure. Bird inside. Notified compliance to open gate. Swainson's thrush. Inspected bird was able to egress prior to gate opening. 1000 office. 1200 collect western shovel nosed snake mortality from contractor 1245 inspect evap pond. 1400 meeting.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		Site appears organized. Windblown trash noted throughout.
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		Silver car pulling away as I was driving speed limit during egress.
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 perched and flying on power poles.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Willets, pied billed grebe, Swainson's thrush

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/1/2013

Monitor: Michael Rathbun  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 96 Low Temp (°F): 67

Start Time: 5:30:00 AM Stop Time: 4:28:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** Started to clear 49-56 for gas crew at 0530. Went to 0600 tailboard. Then monitored gas crew and did CORA survey. DB wanted help removing a bird from evaporation ponds. Photographed the clean up of the spill yesterday afternoon at the NW corner of building and sent in photos. While crew was finishing up for the day around 1530, I looked for and found Honey at a new burro complex. I then left ROW soon after at 1630.

### 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			CORA east of 54 outside project area
Common Ravens Present? If yes, note number and activity.	X			Flying solo around ROW at several times of the day
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Picked up several more roadkill including desert iguana X3, MFTL X1, and kangaroo rats X2. WILLET, GTGR, MODO, HOLA, CORA, TUVU, sidewinder, zebra-tailed lizard. Round-tailed ground squirrel.

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/1/2013

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 97 Low Temp (°F): 63

Start Time: 5:25:00 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:** 0520 arrived on site found female juv in tower at 97, found juv male in tower at 99, both adults present  
 0719 adult came in and fed juv female, juv female at top of tower, flying skills better.  
 0947 adult came in and fed young small rodent  
 1428 line crew work off due to high winds  
 1428-1435 checked out evaporation ponds for birds reported, no birds present  
 1435-1500 conducted monitoring orientation for Andrew fisher for nest monitoring  
 1510 left site

### 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			Red-tailed hawk nests at pole area 107, 93, and 97
Common Ravens Present? If yes, note number and activity.	X			Raven nest at pole area 103, young still in nest, observed one adult
All ESAs and other bio-related exclusion areas marked and avoided?			X	N/A

**Additional Notes:**    N/A





Date & Time: Fri, May 31, 07:58:12 EDT, 2013

Position: 4003.300N, -84.5763W

Altitude: 871

Resolution: 1024x768px, 311x233Mpixels

Resolution: 311x233px

Resolution: 1024x768px

00000000

Image Size: 800x600px

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/2/2013

Monitor: Andrew Fisher  
 Weather Conditions: Windy, Clouds: 0%, Pcp: None  
 High Temp (°F): 94 Low Temp (°F): 62

Start Time: 5:27:00 AM Stop Time: 2:20:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** Arrive on the access road south of I-10 that parallels the transmission line to check the red-tailed hawk nests and account for the young. Since it was windy last night and this morning we wanted to ensure that no birds were blown out of the nest and into the work areas. I checked under all vehicles, staged equipment, and tools to ensure no birds or other wildlife were taking refuge under construction equipment. No animals were found under or around equipment at towers 96, 98, or 92.

Then biologists inspected the active red-tailed hawk nests. The nest at tower 97 had one fledgling perched up in the nest and both adult birds were flying around. The second fledgling, the male, was not visible in the tower or any adjacent towers. After spending a few hours watching the birds at tower 97 crews came and removed the smoker and trailer and all other equipment except the porta potty. Then biologists checked the nest in tower 93 and only one fledgling and one adult bird were observed. It was very windy and likely the second fledgling was crouched low in the nest avoiding the wind. No construction activities took place and the birds were not disturbed.

Then from 11-1 I walked around the desert tortoise exclusion fence and did not find any holes or problems with the fence. Then I drove around the evap ponds and found a live American pipit trying to get into the northern evap pond along the bottom of the netting on the north side of the pond. It was unsuccessful and was walking along the bottom of the netting trying to get in.

I drove past some of the solar trough arrays in Unit 2 on my way out of the site and did not notice any dead birds.

### 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 5/2/2013

Monitor: Brian Weller  
 Weather Conditions: Windy, Clouds: 0%, Pcp: None  
 High Temp (°F): 73 Low Temp (°F): 65

Start Time: 5:50:00 AM Stop Time: 11:00:00 AM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0600-Biologist attended WEAP training at CRS.

0800-Biologist swept pads 95-96. No sensitive biological resources were identified during the sweep.

0830-Biologist escorted dozer from pad 96 to 95. No sensitive biological resources were impacted by the activity.

0915-Biologist monitored crews arranging equipment at pad C. No sensitive biological resources were impacted by the activity.

### Monitor Checklist

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

**Additional Notes:**    N/A

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/2/2013

Monitor: Eric German  
 Weather Conditions: Windy, Clouds: 0%, Pcp: None  
 High Temp (°F): 91 Low Temp (°F): 63

Start Time: 5:45:00 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:** 0545 CRS for morning tailboard and WEAP. 0715 coordinate equipment removal at structure 95. 0900 follow-up on desiccated toad from previous week. Identified as desiccated couch's. Not project related. An informational report to be sent out. 1000 inspect access road remove and dispose 2 KRat mortalities. 1100 inspect evap ponds. No findings. 1230 meeting. 1330 office.

### 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		Wash station wipes wind blown from dispensers.
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			Non project related desiccated Couch's spadefoot identified
Tortoise exclusionary fence and/or ramps intact?	X			Bio completed unit 1. Fencem100% intact.
Any nesting birds observed? Note species (if known) and location.		X		No new nests
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:** Turkey vulture. Kangaroo rat.

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/2/2013

Monitor: Michael Rathbun  
 Weather Conditions: Windy, Clouds: 0%, Pcp: None  
 High Temp (°F): 92 Low Temp (°F): 67

Start Time: 5:30:00 AM Stop Time: 4:02:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0530 I entered ROW to clear 49-56 for gas crew. I went to 0600 tailboard. I maintained clearance remainder of day while they made connections, backfilled trenches, and worked over the road. I left ROW when crew did at 1600.

### 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			CORA nest east of 54 off the ROW
Common Ravens Present? If yes, note number and activity.	X			Occasional bird flying by
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Western whiptail, zebra-tailed lizard, round-tailed ground squirrel, MODO, CORA, TUVU, GTGR,



Date & Time: Thu May 2 09:23:44 PDT 2013

Position: 11 N 697677 3718733

Altitude: 416ft

Azimuth/Bearing: 013° N13E 0231mils (True)

Elevation Angle: -66.7°

Horizon Angle: +05.0°

Zoom: 1X

desiccated toad



Date & Time: Thu May 2 09:23:58 PDT 2013

Position: 11 N 697677 3718733

Altitude: 411ft

Azimuth/Bearing: 009° N09E 0160mils (True)

Elevation Angle: -71.1°

Horizon Angle: +15.6°

Zoom: 1X

desiccated toad



## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/3/2013

Monitor: Andrew Fisher  
 Weather Conditions:   , Clouds: 0%, Pcp: None  
 High Temp (°F): 79 Low Temp (°F): 63

Start Time: 5:30:00 AM Stop Time: 9:24:00 AM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** Upon arrival at 5:30 AM I checked the red tailed hawk nest at pole 107 and saw one adult and one fledgling.

Then I checked the nest at Pole 97 and saw one fledgling at pole 97 ( sitting on crossbars about half way up the pole) and both adult red-tailed hawks with the second fledgling at pole 98. The fledglings from nest 97 appear to have both successfully fledged and are freely moving around to different poles in the nearby vicinity. Neither of the fledglings were observed in the actual nest at pole 97.

Then I checked the red-tailed hawk nest at pole 93 and one adult bird was sitting low on the nest so the young were not visible.

Then I checked all parked and stage construction equipment from pole 89 east to poles C and E to ensure no wildlife were underneath tires or in harms way. No wildlife were detected under any vehicle or construction equipment.

Then I checked previously recorded active bird nests north of the transmission line access road to determine if they were still active or if they had fledged. I found one active loggerhead shrike nest with four chicks in it. I also found a tree cavity nest for ash-throated flycatcher.

At 8:30 I patrolled the main access road to check for dead wildlife on the road. None were found and I departed the site at 9:15.

### 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			Two nesting bird survey forms filled out
Common Ravens Present? If yes, note number and activity.	X			One CORA observed perched on wooden pole at entrance to plant where the paved road ends at 8:50.
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 5/3/2013

Monitor: Michael Rathbun  
 Weather Conditions: Sunny, Clouds: 30%, Pcp: None  
 High Temp (°F): 97 Low Temp (°F): 60

Start Time: 5:50:00 AM Stop Time: 5:58:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0550 entered ROW and cleared laydown area. 0600 went to transmission line tailboard. I then cleared 98 through 95 for crews while Andrew cleared the other work areas. I monitored transmission line the remainder of day. 1140 I got a call about a hawk on the ground by 105. I arrived onsite soon after, maintained a buffer until Robin came by and I handed off the responsibility and headed back to work crews by 1155. I remained with crews till leaving ROW at 1753. I noticed some food thrown under a trailer after crews left, I let DB know and said he would pass it on.

### 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 remains not properly 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			RTHA and CORA nest along transmission line access road.
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:** MFTL, desert iguana, western whiptail, round-tailed ground squirrel, LOSH, TUVU, RTHA, MODO, CORA, WWDO

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/4/2013

Monitor: Brian Weller  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 94 Low Temp (°F): 59

Start Time: 5:54:00 AM Stop Time: 3:12:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0600-Biologist attended the Wasatch Electric tailboard. The foreman discussed plan of the day and all safety issues. The crew plans to clip wire from B to 96. The crew will also load reels at pad C. The biologist reminded the crew to check under vehicles and to follow posted speed limits.

0620-Biologist swept pads A-F and pads. 87-96. No sensitive biological resources were identified during the sweep.

0746-Biologist monitored crews clipping wire at pads B-90. No sensitive biological resources were impacted by the activity.

1045-Biologist monitored crew loading reels and digging out semi at pad C. No sensitive biological resources were impacted by the activity.

1200-Biologist resumed monitoring wire clipping at structures A-92. No sensitive biological resources were impacted by the activity.

### Monitor Checklist

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

**Additional Notes:**    Western whiptail, desert iguana

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/6/2013

Monitor: Brian Weller  
 Weather Conditions: Partly Sunny, Clouds: 25%, Pcp: None  
 High Temp (°F): 82 Low Temp (°F): 63

Start Time: 5:52:00 AM Stop Time: 5:34:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0600-Biologist attended the Wasatch Electric tailboard. The foreman discussed plan of the day and all safety issues. The crew plans to clip wire from structure 87-97. The crew will also frame poles E and F. The biologist reminded the crew to check under vehicles and to follow posted speed limits.

0625-Biologist swept pads A-F and 87-97. No sensitive biological resources were identified during the sweep.

0745-Biologist monitored crew clipping wire at structures 87-97. No sensitive biological resources were impacted by the activity.

0915-Biologist monitored crew framing poles E and F. No sensitive biological resources were impacted by the activity.

1350-Biologist monitored crew drilling anchors near pad F. No sensitive biological resources were impacted by the activity.

1535-Biologist took photos of temporary desert tortoise fence north of CRS.

### 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:** Sidewinder, banded gecko, RTHA

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/6/2013

Monitor: David Charlton  
 Weather Conditions: Windy, Clouds: 0%15, Pcp: None  
 High Temp (°F): 81 Low Temp (°F): 64

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

### Sites Monitored

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

**Activity Log:** 0545 met with eric, moved to connex corner had tailboard 0600, inspect equipment from 98-F with brian weller moved to gas line at 0800. Monitored backhoe doing gas line cleanup. Completed at 1300. Met with eric 1430 complete monitoring of mirrors for dead animals none found. Monitored crew at tower F Wasatch electric until 5:00.

### 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			monitored known hawk nests
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 5/6/2013

Monitor: Eric German  
 Weather Conditions: Windy, Clouds: 20%, Pcp: None  
 High Temp (°F): 81 Low Temp (°F): 61

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

### Sites Monitored

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

**Activity Log:** 0545 orient returning monitor. 0600tline JSA. 0615 gas line JSA. 0630 and throughout day inspect access road. No findings. 0700 office. 0730 inspect pipe blow area unit 2 west end block 2/3. Noted rust in blow out water. 0800 inspect the pit noted about 1 foot of water in pit. Reported to compliance. 0810 noted water bottles around pb2 photographed and sent to compliance. 0915 inspect gas line clean up and discuss reporting with bio. Monitor gas line station 56 - 54. 1400 meeting. 1545 inspect pb2 and http pit. Water in pit being dewatered. Firewater testing was cause of water in pit. More testing occurring. 1630 discuss upcoming T-line activities with foreman.

### 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		Water bottles powerblock 2.
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 were egressing faster than 45 mph. Will discuss with compliance tomorrow.
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: 1 in powerblock 2
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** N/A

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/6/2013

Monitor: Michael Rathbun  
 Weather Conditions: Cloudy, Clouds: 25%, Pcp: None  
 High Temp (°F): 83 Low Temp (°F): 62

Start Time: 5:20:00 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:** 0520 Entered ROW to clear 49 through 56. Went to gas crew tailboard at 0600. I monitored here till 0805 when David replaced me so I could work on cameras and telemetry. I cleared 58 for another crew but continued telemetry till 1400. I then proceeded to walk perimeter of Unit 2 and finished by 1620. I left ROW by 1630.

### 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			Single birds observed over ROW
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** MFTL, western whiptail, desert iguana, zebra-tailed lizard, desert horned lizard, side-blotched lizard, TUVU, CORA, RTHA, HOLA, WIWA

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/7/2013

Monitor: Brian Weller  
 Weather Conditions: Partly Sunny, Clouds: 30%, Pcp: None  
 High Temp (°F): 79 Low Temp (°F): 59

Start Time: 5:56:00 AM Stop Time: 6:53:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0600-Biologist attended the Wasatch Electric tailboard. The foreman discussed plan of the day and all safety issues. The crew plans to clip wire from 92-97. The crew will also frame structure F and pull hard-line from C to CRS. The biologist reminded the crew to check under vehicles and to follow posted speed limits.

0615-Biologist swept pads A-97. No sensitive biological resources were identified during the sweep.

0710-Biologist monitored crew clipping wire at structure 92. No sensitive biological resources were impacted by the activity.

0815-Biologist swept pads 57-58. No sensitive biological resources were identified during the sweep.

0830-Biologist attended the SCE tailboard. The foreman discussed the plan of the day and all safety issues. The crew plans to install poles near structure 58. The biologist reminded the crew to check under vehicles, to stay in the right-of-way and to follow posted speed limits.

0945-Biologist monitored crew clipping wire at structure 93. No sensitive biological resources were impacted by the activity.

1330-Biologist monitored crew placing poles near structure 58. The biologist monitored this activity for the remainder of the day. No sensitive biological resources were impacted by the activity.

### Monitor Checklist

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

Any nesting birds observed? Note species (if known) and location.	X	X		1 raven on pole at laydown yard.
Common Ravens Present? If yes, note number and activity.	X			N/A
All ESAs and other bio-related exclusion areas marked and avoided?				
<b>Additional Notes:</b> Desert fringe-toed lizard, RTHA				

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/7/2013

Monitor: David Charlton  
 Weather Conditions: Sunny, Clouds: 80%, Pcp: None  
 High Temp (°F): 72 Low Temp (°F): 58

Start Time: 6:45:00 AM Stop Time: 5:00:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** At 0600 attend AECOM safety meeting and sign in attend Wasatch electric tailboard meet with eric clear towers c-f no wildlife observed under equipment. Crew brings parts to site then set up reel trucks on substation across from tower F. At 08:00 monitor other crew at tower 93 as crew moves to that tower. Watch hawk nest until 10:00, adult observed on nest, no problems with work crew on nearby. Tower, return to F crew attaching equipment crew finished anchors stations 4:30 to poles for guy wires. Completed stringing guy wires on south side. Monitored moving trucks to drill hole on north side .  
 Began pulling wire at 5:00.

### 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 5/7/2013

Monitor: Eric German  
 Weather Conditions: Windy, Clouds: 35%, Pcp: None  
 High Temp (°F): 77 Low Temp (°F): 61

Start Time: 6:00:00 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:** 0600 JSA with T-line crew. 0645 inspect access road. Remove and dispose of KRat and jack rabbit. 0830 kick off meeting with hotline crew. 1000 inspect south of i10. 1130 report of bird in south evap pond. Had gate opened bird, spotted sandpiper, bird egressed through hole in south side of evap pond netting. Informed compliance and contractor. 1330 office. 1400 meeting. 1500 observed http pit in PB 2. Noted water in pit (same or lesser amount than yesterday). One raven seen flying in area. 1530 discuss monitoring of SCE pole install with foreman.

### 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		Water bottles and other drink bottles around site. Discussed in 1400. Recycling?
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		Discussed at 1400.
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
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Kangaroo Rat, black-tailed jack rabbit, round-tailed ground squirrel, TUVU, spotted sandpiper.

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/7/2013

Monitor: Michael Rathbun  
 Weather Conditions: Sunny, Clouds: 20%, Pcp: None  
 High Temp (°F): 81 Low Temp (°F): 62

Start Time: 5:52:00 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:** Arrived at 0552 and cleared laydown corner prior to 0600 tailboard. Attended tailboard and DB had me put some stakes in some access roads. At 0710, I began to walk perimeter of Unit 1 and completed by 1155. During the walk I was asked to get some GPS points for the CRS and passed along. On way back to car I walked by Evaporation ponds and saw a bird. I told DB and he met me there to let loose around 1230. I also checked Babs Pipes camera and ended up pulling it cause construction crews keep shutting it down. After we got the bird loose I was asked to do another project so had to leave early at approximately 1330.

### Monitor Checklist

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

**Additional Notes:** Desert iguana, western whiptail, zebra-tailed lizard, HOLA, LOSH, TUVU, CORA, MODO, RTHA,

Date & Time: Tue May 7 06:38:08 PDT 2013  
Position: 11 N 688286 3725188  
Altitude: 392ft  
Azimuth/Bearing: 185° S65W 3289mils (True)  
Elevation Angle: -74.1°  
Horizon Angle: +29.0°  
Zoom: 1X  
rabbit



Date & Time: Tue May 7 06:54:37 PDT 2013  
Position: 11 N 688702 3724758  
Altitude: 392ft  
Azimuth/Bearing: 342° N18W 6080mils (True)  
Elevation Angle: -83.7°  
Horizon Angle: +34.1°  
Zoom: 1X  
mrat



## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/8/2013

Monitor: Brian Weller  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 84 Low Temp (°F): 57

Start Time: 5:57:00 AM Stop Time: 7:09:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0600-Biologist attended the Wasatch Electric tailboard. The foreman discussed plan of the day and all safety issues. The crew plans to pull rope and hard line from structure C to CRS. The biologist reminded the crew to check under vehicles and to follow posted speed limits.

0615-Biologist swept access road and pad 58. No sensitive biological resources were identified during the sweep.

0730-Biologist attended the Hot Line Construction tailboard. The foreman discussed plan of the day and all safety issues. The crew plans to set poles for a Shoo-Fly at pad 58. The biologist reminded the crew to check under vehicles and to follow posted speed limits.

0755-Biologist monitored crew excavating holes and setting poles at pad 58. No sensitive biological resources were impacted by the activity.

1335-Biologist monitored Wasatch Electric installing three poles at pad 58. No sensitive biological resources were impacted by the activity.

### Monitor Checklist

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

**Additional Notes:** Desert iguana, Western whiptail.

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/8/2013

Monitor: David Charlton  
 Weather Conditions: Sunny, Clouds: 10%, Pcp: None  
 High Temp (°F): 83 Low Temp (°F): 58

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

### Sites Monitored

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

**Activity Log:** 600 attend Wasatch electric tailboard. Discuss end of project and be safe. Clear equipment at 97 and c-f. Find bird hit wires Wilson warbler where dirt road begins. Wire stringing begins at 0800. At 815 watch red-tailed hawk nest until 8:45. Monitor wire stringing until 10:00  
 Move vehicles until 11:00. Prep area for wire pulling until 1:00. Complete 2 of 3 lines pulled by 6:00.

### 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 5/8/2013

Monitor: Eric German  
 Weather Conditions: Cloudy, Clouds: 60%, Pcp: None  
 High Temp (°F): 84 Low Temp (°F): 61

Start Time: 5:50:00 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:** 0600 JSA with T-line crew. 0630 inspect south of i10 to CRS. Notified by other project bio of RTHA predation previous day. Viewed area of RTHA predation as follow up. Appears to have been coyote. Monitored hawks and activities in vicinity of structures 97 and 98. Bird activity appeared normal. 0730 monitor reported Wilson's warbler mortality. Likely line strike. Monitor to complete avian reporting. 0830 and throughout monitor access. One KRat mortality. Removed and disposed. 0900 inspect http pit with water, about 4. Noted bird droppings. Reminded contractor and compliance of attractiveness of pond. Pb2 bottles mostly picked up. 0930 walkthrough meeting. To return when activities go outside fence. 1030 inspect pb1. Honey bees noted at water tank 1 sleeve. 1130 meet walk through crew. Discuss open items. 1215 inspect south of i10. Activities appear to be in compliance. 1320 inspect http pit. About 1 to 2 in of water in pit. Reported to compliance. 1400 meeting. 1530 inspect gates for night closure and confirmed with compliance that gates are closed at night. Compliance to check with security.

### 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		Powerblock 2 much cleaner. Many water bottles 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	Observed vehicles obeying speed limit. Compliance following up on contractor reports and vehicle descriptions of speeding.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		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:** Wilson's warbler

Date & Time: Wed May 8 07:33:54 PDT 2013  
Position: 11 N 701913 3718540  
Altitude: 471ft  
Azimuth/Bearing: 146° S34E 2596mils (True)  
Elevation Angle: -80.9°  
Horizon Angle: +13.3°  
Zoom: 1X  
warbler



Date & Time: Wed May 8 07:34:22 PDT 2013  
Position: 11 N 701914 3718542  
Altitude: 468ft  
Azimuth/Bearing: 160° S20E 2844mils (True)  
Elevation Angle: -82.6°  
Horizon Angle: +23.8°  
Zoom: 1X  
warbler



Date & Time: Wed May 8 08:19:16 PDT 2013  
Position: 11 N 697630 3718576  
Altitude: 422ft  
Azimuth/Bearing: 343° N17W 6098mils (True)  
Elevation Angle: -45.2°  
Horizon Angle: +04.8°  
Zoom: 1X  
predation site



Date & Time: Wed May 8 08:19:33 PDT 2013  
Position: 11 N 697633 3718678  
Altitude: 419ft  
Azimuth/Bearing: 012° N12E 0213mils (True)  
Elevation Angle: -32.0°  
Horizon Angle: +03.3°  
Zoom: 1X  
predation site



## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/9/2013

Monitor: Brian Weller  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 89 Low Temp (°F): 59

Start Time: 5:50:00 AM Stop Time: 6:36:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0600-Biologist attended the Wasatch Electric tailboard. The foreman discussed plan of the day and all safety issues. The crew plans to pull wire and sag from C-F. The crew will also string wire at pad 58. The biologist reminded the crew to check under vehicles and to follow posted speed limits.

0620-Biologist swept pad 58. No sensitive biological resources were identified during the sweep.

0700-Biologist checked access road for injured or dead animals. There were no animals

1300-Biologist swept pad 57. No sensitive biological resources were identified during the sweep.

1315-Biologist monitored crew removing dampeners at structure 57.  
 No sensitive biological resources were impacted by the activity.

1545-Biologist monitored crew installing guy wires at 45. No sensitive biological resources were impacted by the activity.

1735-Biologist monitored crew removing dampeners at structure 35.  
 No sensitive biological resources were impacted by the activity.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			1 raven perched on pole near structure 37.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** PRFA

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/9/2013

Monitor: David Charlton  
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None  
 High Temp (°F): 89 Low Temp (°F): 60

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

### Sites Monitored

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

**Activity Log:** 600 attend AECOM and Wasatch electric tailboard, clear under equipment at tower C. 700 crew starts last wire pull .  
 At 900 begin putting grounds at a-f. Completed at 230 crews will move to tower 53 around 3:30.

### 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 5/9/2013

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 35%, Pcp: None  
 High Temp (°F): 88 Low Temp (°F): 61

Start Time: 5:55:00 AM Stop Time: 4:30:00 AM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0600 JSA with T-line 0630 and throughout day inspect access road. One KRat removed and disposed. 0700 inspect http pit. Prepping to dewater. 0800 office. 1400 meeting. 1530 inspect http pit. Dewatered. 1600 inspect structure 45 noted ruts from 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		Cleaning of power block2. Improvement.
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 not to exceed 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			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 5/10/2013

Monitor: David Charlton  
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None  
 High Temp (°F): 93 Low Temp (°F): 70

Start Time: 6:00:00 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:** 6:30 sweep towers c- f no wildlife observed. 7:00 crew begin clipping tower d. 9:00 crew moves to e. 11:00 crew moves to tower f and begins putting in guy wires and clipping.  
 12:30 clipping complete. Crew finishing guy wires and cleanup.  
 4:30 crew moves to tower 90 to move dampener, depart At 5:16. Monitor the pick up of travelers and tractor  
 Cat moved to paved road at 5:30,

### 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 5/10/2013

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 10%, Pcp: None  
 High Temp (°F): 88 Low Temp (°F): 64

Start Time: 5:55:00 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:** 0600 inspect access road. No findings. 0700 inspect area of wash restoration at structure. Wash 54. 0830 office. 0900 meeting. 1100 inspect http pit. Water mitigated to shallow puddle. Pit bottom mostly dry. Additional discharges to be mitigated immediately. 1200 inspect laydown. No findings.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		Picked up litter along access road.
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 follow 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		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** May 9, 2013 - monitored removal of an egressing stuck personal vehicle from pole pad 42. All activity in previously disturbed area in row. No biological resources impacted.

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/10/2013

Monitor: Mike Rathbun  
 Weather Conditions: Sunny, Clouds: 10%, Pcp: None  
 High Temp (°F): 97 Low Temp (°F): 65

Start Time: 6:00:00 AM Stop Time: 4:44:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** Entered ROW at 0600 and cleared laydown yard. I was asked to clear bucket truck at 58 and pad 90. DB asked me to clear access road of dead material and finish camera card download. I did and was asked to monitor SCE truck at 58. I met them at 1030 and remained all day until they left ROW at 1615. Wasatch showed up to pick up several steel plates from road and came back after 1620. They finished by 1645 and I left 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:** Desert iguana, western whiptail, TUVU, RTHA,

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/11/2013

Monitor: David Charlton  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 71 Low Temp (°F): 71

Start Time: 6:10:00 AM Stop Time: 6:45:00 AM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 610 monitor lay down yard no wildlife observed depart 6:30.

### 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 5/13/2013

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 106 Low Temp (°F): 68

Start Time: 6:00:00 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:** 0600 meet with T-line crew. 0645 inspect 57 through f. 0845 noted tracks at structure d outside row. No biological resources appear impacted. Crew to restore. 0930 inspect f and area of future fiber install. 1030 inspect access road. Removed and disposed one desert iguana mortality. 1100 inspect evap pond. No findings. 1130 office. 1330 monitor pad restoration f thru 63 and 58. 1700 off site

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?		X		Noted tracks outside row at structure d. No biological resources impacted Crew to restore.
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		Noted paper towels throughout unit 2.
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		No new nests.
Common Ravens Present? If yes, note number and activity.	X			3 perched.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Desert iguana.

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/13/2013

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

Start Time: 6:00:00 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:** Cleared laydown corner, 63, and A-F. Then checked all pads from 63 towards F and sent DB. I stayed with crew all day at C-F and when they left I was clearing pads with DB for back hoe knocking down the ruts until 1700 when I left for day.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?	X			N/A
Topsoil segregation barriers maintained?	X			N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.	X			All at previously known nest along road.
Common Ravens Present? If yes, note number and activity.	X			Netting bird near 103
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Zebra-tailed lizard, desert iguana, MFTL, LOSH, MODO, RTHA

Date & Time: Mon May 13 11:35:46 PDT 2013  
Position: 11 N 687920 3725707  
Altitude: 405ft  
Azimuth/Bearing: 015° N15E 0267mils (True)  
Elevation Angle: -70.7°  
Horizon Angle: +12.6°  
Zoom: 1X  
©



## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/14/2013

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 106 Low Temp (°F): 72

Start Time: 6:10:00 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:** 0610 inspect access road. Noted small debris items: water bottles, paper cups, wrappers along onsite access road. 0715 perimeter fence check unit 1. No breaches found. 0945 meeting with ARB night crew - grouting. Discussed wildlife, access road, light stands. 1015 inspect night work area for ARB crew. No findings. 1145 inspect evaporation ponds. No findings 1245 office. 1330 report of bird in PB 1. Young yellow-headed blackbird removed and taken to Blythe rehab. 1600 night time variance meeting with Newtron. Discussed speed limits, wildlife, litter.

### 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 onsite along access road.
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?		X		Upon egress while driving 45 other vehicles were pulling away.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?			X	All work inside fence.
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			Unit 1 perimeter check completed. No findings.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.			X	N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Zebra-tailed lizard. Yellow headed blackbird removed and brought to rehab. Barn Owl was seen in pb2

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/14/2013

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

Start Time: 6:00:00 AM Stop Time: 2:29:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** Arrived on site by 0600 and started to work on fox telemetry. Finished telemetry by 1100. Entered camera data and wrote reports. I went with DB to check on downed bird under powerblock 1, turned out as young yellow-headed blackbird. Then left ROW without working with a crew at 1430.

### 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:** Desert iguana, zebra tailed lizard, desert horned lizard, western whiptail, round-tailed ground squirrel, YHBB, BAOW, LOSH, RTHA, MODO, GTGR

Date & Time: Tue May 14 08:22:47 PDT 2013  
Position: 11 N 683163 3727026  
Altitude: 388ft  
Azimuth/Bearing: 253° S73W 4498mils (True)  
Elevation Angle: -81.6°  
Horizon Angle: -84.3°  
Zoom: 1X  
potential owl burrow



Date & Time: Tue May 14 13:59:54 PDT 2013  
Position: 11 N 684485 3727200  
Altitude: 400ft  
Azimuth/Bearing: 162° S18E 2880mils (True)  
Elevation Angle: -79.9°  
Horizon Angle: +77.6°  
Zoom: 1X  
incapacitated bird.



## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/15/2013

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 91 Low Temp (°F): 67

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

### Sites Monitored

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

**Activity Log:** 0600 and throughout day inspect access road. Removed and disposed 8 KRat mortalities. 0700 inspect PB 2 for barn owl from yesterday. Owl not found. 0730 inspect grouting night work areas. 0815 inspect T-line laydown. Noted trash. No sensitive species. 0845 perimeter fence check south and west unit 2. 1015 escort dozer pick up at CRS near structure D. Cleared dozer hermit thrush mortality beneath dozer. No crushing. In area of previous line strike. 1300 remove and release sidewinder from ne PMI laydown. 1400 meeting. 1445 inspect fenced pipe laydown for fox sign. No fox or fox sign seen. 1505 contractor reported spill at substation 2. Assessing and cleaning.

### 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		Laydown corner had uncovered trash and strewn trash items.
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 a small black car that appeared to be speeding past laydown area.
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			South and west side unit 2 checked. No breaches found
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			1 bird flying
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Hermit thrush, sidewinder

Date & Time: Wed May 15 06:00:00 PDT 2013  
Position: 11 N 693876 3721143  
Altitude: 408ft  
Azimuth/Bearing: 344° N16W 6116mils (True)  
Elevation Angle: -68.4°  
Horizon Angle: +02.8°  
Zoom: 1X  
krat mortality



Date & Time: Wed May 15 11:37:48 PDT 2013  
Position: 11 N 701852 3718568  
Altitude: 468ft  
Azimuth/Bearing: 291° N69W 5173mils (True)  
Elevation Angle: -78.2°  
Horizon Angle: -02.1°  
Zoom: 1X  
bird mortality



Date & Time: Wed May 15 13:26:01 PDT 2013  
Position: 11 N 689662 3724049  
Altitude: 376ft  
Azimuth/Bearing: 285° N75W 5067mils (True)  
Elevation Angle: -10.9°  
Horizon Angle: +45.0°  
Zoom: 1X  
released snake



## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/16/2013

Monitor: Eric German  
 Weather Conditions: Windy, Clouds: 0%, Pcp: None  
 High Temp (°F): 102 Low Temp (°F): 69

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:** 0630 inspect access road throughout day. 3 KRat mortalities. 0700tline meeting 0900 attempt to meet SPX SPX not found. 0930 discuss air blow. 1000 Wasatch clean up 58 and 59. 1105 bird mortality. 1130 monitor pad clean up structure 45. Noted spill had contractor clean. 1230 office. 1400 leak at substation (reported yesterday) cleaned up. 1500 scheduling for upcoming 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		Trash throughout site and 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		Silver BMW appeared to be speeding through 25 mph zone.
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
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Townsend's Warbler, Wilson's warbler. Zebra-tailed lizard. Round tailed ground squirrel. Barn owl from two days ago.

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/16/2013

Monitor: Michael Rathbun  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 100 Low Temp (°F): 100

Start Time: 1:50:00 PM Stop Time: 5:36:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** Entered ROW to meet with DB and he assigned me to a crew putting high voltage signs and numbers on poles. I was clearing pads they needed to hit for stickers and trash pick up. On the way to 53-56 they used a BLM road to access area behind berms. I informed they should not be using this road and think signage may need to be updated to stop use of this access road. After picking up camera near 58, I called it a day when they left around 1730.

### 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		A BLM road was used to access towers 53-56 to get around sand berms in order to install stickers on towers. I let DB know and thought new signage might help any confusion.
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 scene flying along ROW
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Zebra-tailed lizard, TUVU, CORA, RTHA

Date & Time: Thu May 16 11:01:35 PDT 2013  
Position: 11 N 685208 3720335  
Altitude: 398ft  
Azimuth/Bearing: 024° N24E 0427mils (True)  
Elevation Angle: -63.0°  
Horizon Angle: -03.4°  
Zoom: 1X  
bird mortality



Date & Time: Thu May 16 11:09:06 PDT 2013  
Position: 11 N 685225 3720377  
Altitude: 412ft  
Azimuth/Bearing: 035° N35E 0622mils (True)  
Elevation Angle: -76.4°  
Horizon Angle: +53.5°  
Zoom: 1X  
bird mortality



## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/17/2013

Monitor: Michael Rathbun  
 Weather Conditions: Cloudy, Clouds: 80%, Pcp: None  
 High Temp (°F): 93 Low Temp (°F): 71

Start Time: 5:50:00 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:** Cleared laydown corner by 0600, then drove by each pad to clear for the crew putting up stickers on poles and met with them at 0700. I then started CORA survey and finished by 0900. I then walked evaporation pond and finished by 0920 with no new holes or birds. I then hiked entire perimeter of Unit 2 and finished by 1245. I tried to find Stripe but was unsuccessful in two transects. I went back to office to type in CORA data by 1445. I reported a couple of trash issues and uncovered oil storage to Jennifer since DB is gone. When I checked later issues were handled. I was told to leave ROW by DB around 1500 because most crews that might need Bio would have either called for me already or have left by this time. I left ROW at 1530.

### 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			Single birds flying over Units
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Four KRATs dead and cleared from access road. Desert Iguana, western whiptail, side-blotched lizard, zebra-tailed lizard, BASW, CORA, TUVU,

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/20/2013

Monitor: Michael Rathbun  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 94 Low Temp (°F): 70

Start Time: 5:50:00 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:** Met with Ron at laydown corner by 0550. Ron will be starting at F where fiber crew will be working. I cleared access road of roadkill and then started DKF telemetry/cameras by 0700. Finished telemetry and cameras by 1330. I cleared west end of access road for a crew to come in and add some permanent signs. They finished by 1320. I then started to look for missing DKF. I found Bug south of unit 2 at GKBMR009. I moved camera and left site by 1600.

### Monitor Checklist

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

**Additional Notes:** Cleared 2 roadkill KRATs and 1 shovelnose snake. I found a dead dove (white winged?) underneath wood poled power line. Could have been a line strike or road collision. MFTL, zebra-tailed lizard, desert horned lizard, western whiptail, desert iguana, round-

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/20/2013

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 99 Low Temp (°F): 68

Start Time: 5:45:00 AM Stop Time: 3:48:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0600 cleared area around the F poles  
 0700 met up with mike to conduct kit fox searches  
 1000 met at connex corner to meet with Dee and fiber crew  
 1020 excavated fiber line in SCE ROW to lower fiber to 5 feet  
 1110 went to pole area F to strategize tasks for tomorrows work  
 1330 checked evap pond for birds non detected inside  
 1400 drove perimeter of unit 1 trash inspection, both southern boundary and eastern boundary need trash picked up  
 1545 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		Trash along southern and eastern boundary of unit 1
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?			X	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			Three ravens at pole 104
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 5/21/2013

Monitor: Eric German  
 Weather Conditions: Partly Sunny, Clouds: 30%, Pcp: None  
 High Temp (°F): 102 Low Temp (°F): 79

Start Time: 7:45:00 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:** 0745 noted truck stuck in sand. Near rest area. Project related. No biological impacts to sensitive species. 0900 inspect fiber install near structure f and CRS. Noted MFTL along paved road. No other findings. 1000 clear structure 98 for fiber. No findings. 1045 inspect pole 63. No findings. 1130 and throughout day inspect access road. No findings. 1300 monitor truck extraction near rest area. No issues. 1400 meeting. 1500 office.

### 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		Truck stuck in sand near rest area. Became stuck while attempting to turn around. A vehicle used an established non-project access road. Signage to be improved and restaked.
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 5/21/2013

Monitor: Michael Rathbun  
 Weather Conditions: Sunny, Clouds: 40%, Pcp: None  
 High Temp (°F): 100 Low Temp (°F): 68

Start Time: 5:50:00 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:** Entered laydown corner by 0550 and cleared. Met with fiber crew then headed down to C to help Ron with a stuck vehicle. After doing that I headed up to try to find Stripe with no luck. Finished this by 1150 then headed to evaporation ponds and finished by 1215 with no new birds or holes to report. DB sent me to clear 63 for fiber crew which was done by 1315. Then I had to GPS every tower north of the 10 and finished by 1447. I then went back to 63. I also had to get points from 63 to 57. I monitored crew the remainder of the day including heading up to 54. Crew was seen on BLM road trying to get to 54 without using approved access road. I told DB and said he would talk with the lead car. The sand berm had been removed so access road was not blocked. I maintained clearance until crew left site at 1800 and left access road at 1815.

### 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		Crew was guided to 54 on the BLM road and not the approved access road. I showed him the sand berm was removed so they went back around on the cleared and approved project access road.
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			No new nests, just the nests along access roads.
Common Ravens Present? If yes, note number and activity.	X			A couple here and there flying along ROW at different times.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** LOSH, RTHA, CORA, TUVU, MODO, CAWR. Zebra-tailed lizard, desert iguana, MFTL, western whiptail, dead Coachwhip while walking.

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/22/2013

Monitor: Eric German  
 Weather Conditions: Partly Sunny, Clouds: 10%, Pcp: None  
 High Temp (°F): 102 Low Temp (°F): 81

Start Time: 8:00:00 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:** 0815 tailboard start up crew regarding notifying of outside the fence activities. 0845 escort start up to structure 56 and monitor baffle install. 0945 inspect south of i10 activities. Informed by contractor personnel of lizard mortality. Could not locate. 1100 informed of injured bird unit 2 block 4 rows 51/52. 1130 take bird, western grebe, to rehab. 1400 meeting. 1500 office. 1615 monitor access road. No sensitive species 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		Improvement trash is covered and less windblown trash around 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			Observed vehicles obeying speed limits.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			Unit 1 walked 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		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Western grebe

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/22/2013

Monitor: Michael Rathbun  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 102 Low Temp (°F): 72

Start Time: 5:50:00 AM Stop Time: 1:24:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0550 I cleared laydown corner and met with fiber crew. I cleared 63 and 54 for them. I then drove to Unit 1 and walked perimeter fence starting at 0720. Finished perimeter walk by 0920 then went to Babs Pipes and evaporation ponds. Finished both by 1030 with no DKF sign, new birds or holes. I was called to find injured bird. Turned out to be Western Grebe In Unit 2. I turned over to DB to take to rehabber. I then went to office at 1200 and finished downloading camera info and wildlife forms. Left ROW at 1330.

### 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			Several singles or pairs seen flying over ROW
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** MFTL, ROWR, LOSH, TUVU, CORA, RTHA, zebra-tailed lizard, desert iguana, side-blotched lizard, western whiptail

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/22/2013

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 101 Low Temp (°F): 69

Start Time: 5:30:00 AM Stop Time: 6:07:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0530-0600 cleared pads 63 and 98 and pole area F  
 0600-1015 monitored fiber install at pole area F  
 1015-1426 monitored fiber splicing crew, also took down rope area for pull back area  
 1426-1815 monitored transmission line fiber splicing crew  
 1815 left site after crew left

### 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			Cleared areas where fiber install and slicing crews were 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	N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			One raven flying over CRS
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 5/23/2013

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 100 Low Temp (°F): 78

Start Time: 8:00:00 AM Stop Time: -  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0800 inspect access road removed and disposed (buried) 1 unknown warbler and 3 KRats. 0900 inspect night time grouting areas unit 2 block 5 b. 1100 walk unit 2 perimeter fence check. 1145 inspect coyote scat at PB 1. Also searched for DKFs. No DKFs found. Coyote scat in cooler apparatus. 1245 continue unit 2 perimeter fence check. No fence findings. 1400 meeting. 1500 office

### 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		Windblown litter along northern fences of units 1 and 2.
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	Discussions of speeding. Compliance aware. Observed vehicles obeying speed limit.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			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			Completed unit 2 perimeter fence check. No breaches found. Tortoise grate functional though needs maintenance.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			3: 2 perched. 1 flying
All ESAs and other bio-related exclusion areas marked and avoided?			X	N/A

**Additional Notes:** Unknown warbler fatality found on access road. Kit fox prints in unit 2 south of blocks 5 and 10. Coyote scat within to be installed cooling units south of PB 1.

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/23/2013

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 98 Low Temp (°F): 69

Start Time: 5:20:00 AM Stop Time: 6:00:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0520-0600 cleared pads 63, 45, and C pole  
 0600-1800 monitored fiber splice crews, picked up old stakes/lath  
 1800 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

Date & Time: Thu May 23 08:12:55 PDT 2013  
Position: 11 N 689398 3721112  
Altitude: 385ft  
Azimuth/Bearing: 160; 520E; 2944m/s (True)  
Elevation Angle: -77.0°  
Horizon Angle: +48.2°  
Zoom: 2X  
bird mortality



## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/24/2013

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 91 Low Temp (°F): 77

Start Time: 7:45:00 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:** 0745 clear guard shack gravel road for maintenance. No findings. 0800 monitor maintenance. 0830 discuss DKF with CDFW. 0845 walk access road maintenance areas again. 0930 inspect gravel road at tortoise grate. One bird mortality found. Buried. 0940 monitor road maintenance activities. 1200 inspect unit 1 remind crews to close gates at night. 1230 and throughout day inspect access road. No findings.

### 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	Observed crews picking up trash.
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments <small>Attach Supplemental Report if needed</small>
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			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:** TUVU

Date & Time: Fri May 24 09:34:52 PDT 2013  
Position: 11 N 888010 3725489  
Altitude: 391ft  
Azimuth/Bearing: 143° S37E 2542mils (True)  
Elevation Angle: -83.7°  
Horizon Angle: +38.6°  
Zoom: 1X  
bird mortality



## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/25/2013

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 99 Low Temp (°F): 68

Start Time: 5:25:00 AM Stop Time: 4:50:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0528-0600 cleared areas 45, 54, C, And F pole areas  
 0600-0615 safety meeting  
 0615-1300 monitored fiber optic crew  
 1300 helped Bill Watson with bees under tire wheel well  
 1330-1650 monitored fiber crew at pole 45 and 54  
 Left at 1650

### 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 5/27/2013

Monitor: Eric German  
 Weather Conditions: Partly Sunny, Clouds: 10%, Pcp: None  
 High Temp (°F): 97 Low Temp (°F): 73

Start Time: 5:45:00 AM Stop Time: 6:45:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0545 clear pad 45. No sensitive species findings. 0600 tailboard/ safety. 0615 clear pad 28. No sensitive species findings. 0630 and throughout day monitor splicing activities structures 45 and 28. Inspect access road. One desert iguana mortality, disposed of by burial. . 0700 inspect http pit pb2. Small residual puddle. Noted vehicle access gates opened on east side. 0730inspect pb1 area of coyote scat from last week. No new activity. 0800 inspect evap ponds. No findings. 0900 remainder of day monitor splice and inspect site. Dkf tracks noted inside permanent fence south side of unit 2. Tracks indicated Egress through gap at electrical break in fence.

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

**Additional Notes:** Peregrine falcon, RTHA, desert horned lizard, coyote, zebra tailed lizard, whiptail, desert iguana, unknown sparrow. LOSH

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/28/2013

Monitor: Eric German  
 Weather Conditions: Cloudy, Clouds: 50%, Pcp: None  
 High Temp (°F): 91 Low Temp (°F): 79

Start Time: 7:30:00 AM Stop Time: 12:15:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0745 inspect access and lead traffic onto site. 0815 meet with CDFW. 0845 observed DKF inside temporary fence fox was walking toward se corner of plant site. The fox left when it realized it was being observed. 0930 raven monitoring. 1120 inspected pb2 DKF pit. No findings. Limited residual water. About 6x6 one quarter inch deep. 1210 completed raven monitoring. 1215 offsite.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		Site is looking better. Some debris in solar arrays, random throughout site. Pb1 has litter dispensed on ground.
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		Raven count completed.
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 5/28/2013

Monitor: Ron Walker  
 Weather Conditions: Partly Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 98 Low Temp (°F): 69

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

### Sites Monitored

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

**Activity Log:** 0530-0550 met with fiber optic crew  
 0550-0610 cleared pole 28  
 0610-1045 monitored fiber optic crew at 28 and F pole area  
 1050-1320 walked unit 1  
 1320-1738 monitored splice crew at F poles  
 Left site at 1800

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?			X	N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?			X	N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			Two ravens on wooden power poles at pole33 on access road
All ESAs and other bio-related exclusion areas marked and avoided?			X	N/A

**Additional Notes:**    N/A

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/29/2013

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 101 Low Temp (°F): 72

Start Time: 6:20:00 AM Stop Time: 6:00:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0620-0900 conducted search for two kit fox reported on plant site. Located foxes at Bugs den. Confirmed Bugs and pup on the plant site, by 0845 they were back at den.  
 0900-1330 monitored removal of excess 12 inch pipe along unit 2 southern fence line.  
 1330-1430 checked evaporation ponds for trapped birds, no birds inside, drove perimeter fence no issues.  
 1430-1530 cleared pole areas 63, 98, and C poles for giber optic crew  
 1520-1545 checked http pit in unit 2 power block area, no water in HTF pit  
 1545-1715 monitored fiber optic crew at pole 63  
 1800 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			Cleared 12 inch pipes prior to removal
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?			X	N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			1 raven observed flying over block 7 in unit 2
All ESAs and other bio-related exclusion areas marked and avoided?			X	N/A

**Additional Notes:**    N/A

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/30/2013

Monitor: Michael Rathbun  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 99 Low Temp (°F): 72

Start Time: 5:50:00 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:** Arrived on site by 0550 and met with Ron at laydown corner. I picked up a roadkill Jackrabbit at 43 and moved to unit 2 south fence to check pipes for DKF. When I arrived the crew was already working moving pipe. I did not get telemetry signal or visual on DKF but was not here prior to work. I basically roved all day within units working on Stripes new burrow, I moved a dead AMCO, checked between powerblock 9 and 10 grouting area, and evaporation ponds. Left ROW after talking with Ron around 1520.

### 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		Monitor was not in formed on start time. Since DKF were at pipes previously it would have been best to have pipes cleared prior to work even if area was within unit.
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 lizard, desert iguana, western whiptail, round-tailed ground squirrel.

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/30/2013

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 101 Low Temp (°F): 70

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

### Sites Monitored

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

**Activity Log:** 0500-0600 cleared pole pad areas 98, F, C, for fiber optic crew  
 0600-0720 monitored fiber optic crew  
 0720-0800 met with chuck (BV) and Bill Watson about water discharge in unit 2 channel  
 0800-1300 monitored fiber optic crew  
 1300-1345 checked unit 2 HTF pit for water discharge  
 1345-1800 monitored fiber crew at C and 45 pole areas  
 1800 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



Date & Time: Thu Mar 30 10:25:45 EDT 2017  
Position: 1005.9628 N, 116.6730 W  
Altitude: 2.0 m  
Elevation: 2.0 m  
Resolution: 1.0 m  
Temperature: 24.0 C  
Humidity: 18 %  
Wind Speed: 0.0 m/s

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 5/31/2013

Monitor: Michael Rathbun  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 96 Low Temp (°F): 76

Start Time: 4:25:00 AM Stop Time: 12:52:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** Entered ROW at 0425 and drove to pipes along south fence of unit 2. Cleared by 0515 and had two krats in pipes. Crew had not arrived by 0630 so I went and cleared access road. Roadkill Sidewinder I found and buried. I saw Honey with 5 other DKF at her burrow while driving by. Ron found out crew moving pipe will not be moving pipe today. So I checked HTF pit near Unit 2 powerblock. No birds were seen but lots of whitewash on surrounding wall. I then checked evaporation pond and drove perimeter looking for trash when I got a call to move a sidewinder at 1150. I also checked Babs Pipes and fence was open but no tracks were seen. I left site when fiber crew left and after talking with Ron at 1254.

### Monitor Checklist

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

**Additional Notes:** Sidewinder, zebra-tailed lizard, desert iguana, roadkill sidewinder, MODO, CORA, RTHA, LOSH.

**ATTACHMENT 4**

**SURVEY DATA FORMS**



# GENESIS SOLAR ENERGY PROJECT

## MONTHLY EVAPORATION POND MONITORING (BIO-21)

Date	5-1-2013 / May 1, 13	Biomonitor	Andrew Fisher
Sunrise Time	5 : 49 AM	Sunset Time	7 : 21 PM

Note: All three surveys must be completed on the same day

### DAWN SURVEY (two hours after sunrise)

Start Time	End Time
5 : 49 AM	7 : 49 AM

1. Netted ponds effective in excluding birds?  Yes  No

Comments for #1:

@ 05:50; 2 Male Yellow-headed blackbirds perched on NW corner of southern pond.

2. Do nets pose an entrapment hazard to birds and/or wildlife?  Yes  No

Comments for #2:

3. Structural Integrity - are nets intact and functioning?  Yes  No

Comments for #3: Several holes - about 4 - 6 inches in diameter discovered along the north side of the southern evap pond.

4. Were any dead or entangled wildlife observed?  Yes  No

(If yes, report to DB IMMEDIATELY and fill out Avian Reporting Tapform)

Comments for #4: 1 dead Pied-billed grebe (adult) was dead in the center of the northern evap pond stuck in the top of the netting.

### MIDDAY SURVEY (i.e. 1100 to 1300)

Start Time	End Time
11 : 45 AM	12 : 45 PM

1. Netted ponds effective in excluding birds?  Yes  No

Comments for #1:

NO BIRDS OBSERVED

2. Were any dead or entangled wildlife observed?  Yes  No

(If yes, report to DB IMMEDIATELY and fill out Avian Reporting Tapform)

Comments for #2:

### DUSK SURVEY (two hours preceding sunset)

Start Time	End Time
5 : 21 PM	7 : 21 PM

1. Netted ponds effective in excluding birds?  Yes  No

Comments for #1:

2. Were any dead or entangled wildlife observed?  Yes  No

(If yes, report to DB IMMEDIATELY and fill out Avian Reporting Tapform)

Comments for #2:

Added  
BY  
ERIC GERMAIN  
NOTE - 5/1/13

6+ WILLETS SEEN FLYING OVER POND = 8:30 A.M.  
1 SWAINSON'S THRUSH INSIDE ENCLOSURE = 8:30 A.M.  
EGRESSGS ON ITS OWN.

# 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
Michael Rathbun	5/1/2013	R6. 687910 W, 3726586 N	8:25:00 AM	8:35:00 AM	9999	9999	N	7	None	81	0%
Michael Rathbun	5/1/2013	R2. 686736 W, 3726215 N	11:14:00 AM	11:24:00 AM	9999	9999	N	6	None	90	0%
Michael Rathbun	5/1/2013	R7. 686177 W, 3725504 N	11:30:00 AM	11:40:00 AM	9999	9999	N	5	None	91	0%
Michael Rathbun	5/1/2013	R5. 685761 W, 3727662 N	11:47:00 AM	11:57:00 AM	9999	9999	N	4	None	91	0%
Michael Rathbun	5/1/2013	R3. 683684 W, 3727437 N	12:09:00 PM	12:19:00 PM	9999	9999	NW	8	None	92	0%
Michael Rathbun	5/1/2013	R4. 683203 W, 3727508 N	12:27:00 PM	12:37:00 PM	9999	9999	NW	7	None	91	0%
Michael Rathbun	5/1/2013	R1. 691217 W, 3722767 N	10:51:00 PM	11:01:00 AM	9999	9999	N	10	None	88	0%
Michael Rathbun	5/17/2013	R1. 691217 W, 3722767 N	6:44:00 AM	6:54:00 AM	9999	9999	SE	2	None	74	80%
Michael Rathbun	5/17/2013	R6. 687910 W, 3726586 N	7:08:00 AM	7:18:00 AM	9999	9999	SE	1	None	73	80%
Michael Rathbun	5/17/2013	R2. 686736 W, 3726215 N	7:29:00 AM	7:39:00 AM	9999	9999	SE	1	None	73	95%
Michael Rathbun	5/17/2013	R7. 686177 W, 3725504 N	7:44:00 AM	7:54:00 AM	9999	9999	SE	1	None	75	90%
Michael Rathbun	5/17/2013	R5. 685761 W, 3727662 N	8:02:00 AM	8:12:00 AM	9999	9999	SE	0	None	77	90%
Michael Rathbun	5/17/2013	R4. 683203 W, 3727508 N	8:23:00 AM	8:33:00 AM	9999	9999	SE	1	None	79	95%
Michael Rathbun	5/17/2013	R3. 683684 W, 3727437 N	8:42:00 AM	8:52:00 AM	9999	9999	SE	1	None	79	95%
Eric German	5/28/2013	R4. 683203 W, 3727508 N	9:40:00 AM	9:50:00 AM	99999	999999	Variable	1	None	81	50%
Eric German	5/28/2013	R3. 683684 W, 3727437 N	10:02:00 AM	10:12:00 AM	99999	99999	E	1	None	82	50%
Eric German	5/28/2013	R5. 685761 W, 3727662 N	10:19:00 AM	10:29:00 AM	99999	99999	E	1	None	82	50%
Eric German	5/28/2013	R7. 686177 W, 3725504 N	10:42:00 AM	10:52:00 AM	999999	99999	Variable	1	None	86	50%
Eric German	5/28/2013	R2. 686736 W, 3726215 N	11:02:00 AM	11:12:00 AM	99999	99999	Variable	1	None	86	50%
Eric German	5/28/2013	R6. 687910 W, 3726586 N	11:33:00 AM	11:43:00 AM	99999	999999	E	1	None	86	50%
Eric German	5/28/2013	R1. 691217 W, 3722767 N	12:00:00 PM	12:10:00 PM	999999	999999	E	1	None	88	50%

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



# 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
Michael Rathbun	5/1/2013	R5. 685761 W, 3727662 N	11:57:00 AM	-	-	0	-	-	-	-	-	NO	NO	No ravens observed.
Michael Rathbun	5/1/2013	R4. 683203 W, 3727508 N	12:27:00 PM	-	-	0	-	-	-	-	-	NO	NO	No ravens observed.
Michael Rathbun	5/1/2013	R3. 683684 W, 3727437 N	12:09:00 PM	-	-	0	-	-	-	-	-	NO	NO	No ravens observed.
Michael Rathbun	5/1/2013	R7. 686177 W, 3725504 N	11:40:00 AM	-	-	0	-	-	-	-	-	NO	NO	No ravens observed.
Michael Rathbun	5/1/2013	R1. 691217 W, 3722767 N	10:53:00 AM	Unknown	Adult	1	Flying, Perched above ground	NW	180	10	Creosote Bush Scrub, Other (provide details)	NO	YES	Perched on wooden pole next to access road, then flew towards plant along ROW.
Michael Rathbun	5/1/2013	R6. 687910 W, 3726586 N	8:30:00 AM	Unknown	Adult	1	Flying	NE	600	600	Creosote Bush Scrub	NO	YES	Flying NE very low due to wind
Michael Rathbun	5/1/2013	R2. 686736 W, 3726215 N	11:24:00 AM	-	-	0	-	-	-	-	-	NO	NO	No ravens observed.
Michael Rathbun	5/17/2013	R7. 686177 W, 3725504 N	7:54:00 AM	-	-	0	-	-	-	-	-	NO	NO	No ravens observed.
Michael Rathbun	5/17/2013	R3. 683684 W, 3727437 N	8:52:00 AM	-	-	0	-	-	-	-	-	NO	NO	No ravens observed.
Michael Rathbun	5/17/2013	R4. 683203 W, 3727508 N	8:33:00 AM	-	-	0	-	-	-	-	-	NO	NO	No ravens observed.
Michael Rathbun	5/17/2013	R6. 687910 W, 3726586 N	7:08:00 AM	Unknown	Adult	1	Flying	W	100	10	Creosote Bush Scrub	NO	YES	After I took temperature and time I looked up and CORA was flying overhead toward the plant.
Michael Rathbun	5/17/2013	R5. 685761 W, 3727662 N	8:12:00 AM	-	-	0	-	-	-	-	-	NO	NO	No ravens observed.
Michael Rathbun	5/17/2013	R2. 686736 W, 3726215 N	7:39:00 AM	-	-	0	-	-	-	-	-	NO	NO	No ravens observed.
Michael Rathbun	5/17/2013	R1. 691217 W, 3722767 N	6:54:00 AM	-	-	0	-	-	-	-	-	NO	NO	No ravens observed.
Eric German	5/28/2013	R2. 686736 W, 3726215 N	-	-	-	0	-	-	-	-	-	-	-	No CORA observed.
Eric German	5/28/2013	R3. 683684 W,	-	-	-	0	-	-	-	-	-	-	-	No CORA observed.

# 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
		3727437 N												
Eric German	5/28/2013	R4. 683203 W, 3727508 N	-	-	-	0	-	-	-	-	-	-	-	No CORA observed.
Eric German	5/28/2013	R7. 686177 W, 3725504 N	-	-	-	0	-	-	-	-	-	-	-	No CORA observed.
Eric German	5/28/2013	R6. 687910 W, 3726586 N	-	-	-	0	-	-	-	-	-	-	-	No CORA observed.
Eric German	5/28/2013	R1. 691217 W, 3722767 N	-	-	-	0	-	-	-	-	-	-	-	No CORA observed.
Eric German	5/28/2013	R5. 685761 W, 3727662 N	-	-	-	0	-	-	-	-	-	-	-	No CORA observed.

## Avian and Wildlife Reporting Form

\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\*

**INCIDENT DETAILS**

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 7/17/2012 Observer: Gregg Lukasek

Type of Incident (circle one): Injury /  Fatality / Nest

Condition (circle one):  Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one):  1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: Bird appears to be vehicle mortality

**LOCATION**

DATUM: \_\_\_\_\_ UTM N: \_\_\_\_\_ UTM E: \_\_\_\_\_

Found Near (circle one):

-Solar Trough / Evaporation Pond / Road / Power Line / Other (explain below)

Location Details: Unit 2, block 5

**IDENTIFICATION**

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Bullocks oriole

Color/Markings: \_\_\_\_\_

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

**ENVIRONMENTAL CONDITION**

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 96

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

**NOTIFICATION**

Who was notified, and When? DB on 7/17/2012

Actions Taken (e.g., left in place, taken to rehab): Buried off-site

**COMMENTS:**

N/A

\* Turn in completed form and incident photos to the on-site Environmental Manager.

\* Report any incidental observations of dead birds or other wildlife at the evaporation ponds to the Designated Biologist within one day of the detection of the carcass.\* Report any nests immediately to the on-site Environmental Manager.

## Avian and Wildlife Reporting Form

**\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\***

### INCIDENT DETAILS

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 7/17/2012 Observer: Shelly Dayman

Type of Incident (circle one): -Injury / Fatality / Nest

Condition (circle one): -Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one): -1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: -

### LOCATION

DATUM: - \_\_\_\_\_ UTM N: - \_\_\_\_\_ UTM E: - \_\_\_\_\_

Found Near (circle one):

-Solar Trough / Evaporation Pond / Road / Power Line / Other (explain below)

Location Details: Assembly building, unit1

### IDENTIFICATION

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Great-horned owl

Color/Markings: -

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

### ENVIRONMENTAL CONDITION

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 110

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

### NOTIFICATION

Who was notified, and When? DB on 7/17/2012

Actions Taken (e.g., left in place, taken to rehab): Evaporation coolers left on to keep building cool to not stress animal, no work in vicinity of owl, all doors of building left open to allow owl to leave after dark, owl was gone by 9pm

### COMMENTS:

Owl appeared to be somewhat heat stressed during day, coolers running to cool building, left on own volition after dark, did not return





## Avian and Wildlife Reporting Form

\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\*

**INCIDENT DETAILS**

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 7/18/2012 Observer: Shelly Dayman

Type of Incident (circle one): Injury /  Fatality / Nest

Condition (circle one):  Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one):  1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: Found in mirror array, burn marks on back of neck

**LOCATION**

DATUM: UTM Z11 NAD83 (m) UTM N: 3726885 UTM E: 685899

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line / Other (explain below)

Location Details: Unit 2, northern area, block 1 or 2

**IDENTIFICATION**

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Bullocks oriole

Color/Markings: -

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

**ENVIRONMENTAL CONDITION**

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 97

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

**NOTIFICATION**

Who was notified, and When? DB, Bureau veritas on 7/18/2012 4:08:00 PM

Actions Taken (e.g., left in place, taken to rehab): Photographs of burn marks taken, animal disposed and buried

**COMMENTS:**

N/A

Date & Time: Wed Jul 18 16:08:10 PDT 2012

Position: 11 N 685899 3725885

Altitude: 364ft

Azimuth/Bearing: 163° S17E 2898mils (True)

Elevation Angle: -86.6°

Horizon Angle: +47.5°

Zoom: 1X

bullocks oriole found near solar panels burn on neck



## Avian and Wildlife Reporting Form

\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\*

**INCIDENT DETAILS**

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 7/23/2012 Observer: Eric German

Type of Incident (circle one): Injury /  Fatality / Nest

Condition (circle one):  Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one):  1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: -

**LOCATION**

DATUM: \_\_\_\_\_ UTM N: \_\_\_\_\_ UTM E: \_\_\_\_\_

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line /  Other (explain below)

Location Details: Plant site

**IDENTIFICATION**

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Western meadowlark

Color/Markings: -

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

**ENVIRONMENTAL CONDITION**

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 95

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

**NOTIFICATION**

Who was notified, and When? Notification via submittal of form to wildlife agencies

Actions Taken (e.g., left in place, taken to rehab): Buried off-site

**COMMENTS:**

N/A

## Avian and Wildlife Reporting Form

**\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\***

### INCIDENT DETAILS

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 7/23/2012 Observer: Eric German

Type of Incident (circle one):  Injury / Fatality / Nest

Condition (circle one): -Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one): -1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: -

### LOCATION

DATUM: - \_\_\_\_\_ UTM N: - \_\_\_\_\_ UTM E: - \_\_\_\_\_

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line /  Other (explain below)

Location Details: Assembly building

### IDENTIFICATION

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Brewers blackbird

Color/Markings: -

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

### ENVIRONMENTAL CONDITION

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 95

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

### NOTIFICATION

Who was notified, and When? Notification via submittal of form to wildlife agencies

Actions Taken (e.g., left in place, taken to rehab): Reported to be injured, but can fly and was foraging, appears to be molting, bird last seen outside building

### COMMENTS:

N/A

## Avian and Wildlife Reporting Form

\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\*

**INCIDENT DETAILS**

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 7/24/2012 Observer: Eric German

Type of Incident (circle one): Injury /  Fatality / Nest

Condition (circle one):  Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one):  1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: -

**LOCATION**

DATUM: \_\_\_\_\_ UTM N: \_\_\_\_\_ UTM E: \_\_\_\_\_

Found Near (circle one):

Solar Trough / Evaporation Pond /  Road / Power Line / Other (explain below)

Location Details: Access road

**IDENTIFICATION**

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Unknown

Color/Markings: -

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

**ENVIRONMENTAL CONDITION**

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 89

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground /  Creosote Bush Scrub / Sand Dunes  
 Sand Drifts over Playa /  Ephemeral Wash /  Desert Pavement

**NOTIFICATION**

Who was notified, and When? Notification via submittal of form to wildlife agencies

Actions Taken (e.g., left in place, taken to rehab): Carcass along access road, cause of death unknown, removed and buried off-site

**COMMENTS:**

N/A

## Avian and Wildlife Reporting Form

**\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\***

### INCIDENT DETAILS

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 7/24/2012 Observer: Eric German

Type of Incident (circle one): -Injury / Fatality / Nest

Condition (circle one): -Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one): -1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: -

### LOCATION

DATUM: - \_\_\_\_\_ UTM N: - \_\_\_\_\_ UTM E: - \_\_\_\_\_

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line /  Other (explain below)

Location Details: Assembly building, Unit 1

### IDENTIFICATION

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Lesser nighthawk

Color/Markings: -

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

### ENVIRONMENTAL CONDITION

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 101

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

### NOTIFICATION

Who was notified, and When? Bureau veritas on 7/24/2012 2:00:00 PM

Actions Taken (e.g., left in place, taken to rehab): Was able to flush bird from building, temps in building hotter than outside

### COMMENTS:

N/A

## Avian and Wildlife Reporting Form

\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\*

**INCIDENT DETAILS**

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 7/24/2012 Observer: Shelly Dayman

Type of Incident (circle one): Injury /  Fatality / Nest

Condition (circle one):  Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one):  1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: Bird died in assembly building likely due to heat exhaustion

**LOCATION**

DATUM: \_\_\_\_\_ UTM N: \_\_\_\_\_ UTM E: \_\_\_\_\_

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line /  Other (explain below)

Location Details: Assembly building, Unit 1

**IDENTIFICATION**

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Brewer's blackbird

Color/Markings: \_\_\_\_\_

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

**ENVIRONMENTAL CONDITION**

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 101

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

**NOTIFICATION**

Who was notified, and When? Bureau veritas, DB on 7/24/2012 1:50:00 PM

Actions Taken (e.g., left in place, taken to rehab): While bird was in distress was put in ventilated cardboard box but bird died within minutes, carcass buried off-site

**COMMENTS:**

N/A

## Avian and Wildlife Reporting Form

**\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\***

### INCIDENT DETAILS

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 7/27/2012 Observer: Eric German

Type of Incident (circle one): Injury /  Fatality / Nest

Condition (circle one):  Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one):  1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: No signs of trauma

### LOCATION

DATUM: \_\_\_\_\_ UTM N: \_\_\_\_\_ UTM E: \_\_\_\_\_

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line /  Other (explain below)

Location Details: Powerblock 2

### IDENTIFICATION

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Mourning dove

Color/Markings: \_\_\_\_\_

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

### ENVIRONMENTAL CONDITION

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 98

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

### NOTIFICATION

Who was notified, and When? Notification via submittal of form to wildlife agencies

Actions Taken (e.g., left in place, taken to rehab): Removed and buried off-site

### COMMENTS:

N/A

## Avian and Wildlife Reporting Form

\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\*

**INCIDENT DETAILS**

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 8/18/2012 Observer: Eric German

Type of Incident (circle one): Injury /  Fatality / Nest

Condition (circle one):  Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one):  1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: -

**LOCATION**

DATUM: \_\_\_\_\_ UTM N: \_\_\_\_\_ UTM E: \_\_\_\_\_

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line /  Other (explain below)

Location Details: Powerblock 1

**IDENTIFICATION**

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Mourning dove

Color/Markings: -

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

**ENVIRONMENTAL CONDITION**

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 85

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

**NOTIFICATION**

Who was notified, and When? Notification via submittal of form to wildlife agencies

Actions Taken (e.g., left in place, taken to rehab): Buried off-site

**COMMENTS:**

N/A

## Avian and Wildlife Reporting Form

**\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\***

### INCIDENT DETAILS

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 9/9/2012 Observer: Eric German

Type of Incident (circle one):  Injury / Fatality / Nest

Condition (circle one): -Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one): -1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: -

### LOCATION

DATUM: - \_\_\_\_\_ UTM N: - \_\_\_\_\_ UTM E: - \_\_\_\_\_

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line /  Other (explain below)

Location Details: Powerblock 2, under vehicle

### IDENTIFICATION

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Common snipe

Color/Markings: -

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

### ENVIRONMENTAL CONDITION

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 98

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

### NOTIFICATION

Who was notified, and When? Notification via submittal of form to wildlife agencies

Actions Taken (e.g., left in place, taken to rehab): Heat stressed under vehicle, would not flush, removed and released off-site in moist palo verde area

### COMMENTS:

N/A

## Avian and Wildlife Reporting Form

**\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\***

### INCIDENT DETAILS

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 9/24/2012 Observer: Eric German

Type of Incident (circle one):  Injury / Fatality / Nest

Condition (circle one): -Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one): -1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: [Report of bird striking a mirror](#)

### LOCATION

DATUM: - \_\_\_\_\_ UTM N: - \_\_\_\_\_ UTM E: - \_\_\_\_\_

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line /  Other (explain below)

Location Details: [Powerblock 2](#)

### IDENTIFICATION

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Gull

Color/Markings: - \_\_\_\_\_

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: [N/A](#)

### ENVIRONMENTAL CONDITION

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 104

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

### NOTIFICATION

Who was notified, and When? [Notification via submittal of form to wildlife agencies](#)

Actions Taken (e.g., left in place, taken to rehab): [Report of injured bird near powerblock 2, bird was gull and able to fly, allowed bird to rest and recover, checked again in a few hours and gull not present](#)

### COMMENTS:

[N/A](#)

## Avian and Wildlife Reporting Form

**\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\***

### INCIDENT DETAILS

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 10/2/2012 Observer: Eric German

Type of Incident (circle one): -Injury / Fatality / Nest

Condition (circle one): -Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one): -1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: -

### LOCATION

DATUM: - \_\_\_\_\_ UTM N: - \_\_\_\_\_ UTM E: - \_\_\_\_\_

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line /  Other (explain below)

Location Details: Powerblock 2

### IDENTIFICATION

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): American bittern

Color/Markings: -

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

### ENVIRONMENTAL CONDITION

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 100

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

### NOTIFICATION

Who was notified, and When? Notification via submittal of form to wildlife agencies

Actions Taken (e.g., left in place, taken to rehab): Report of bird in powerblock 2, alive, bird flushed soon after observation, could not relocate

### COMMENTS:

N/A

## Avian and Wildlife Reporting Form

**\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\***

### INCIDENT DETAILS

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  **Incidental**

Date: 10/3/2012 Observer: Eric German

Type of Incident (circle one): -Injury / Fatality / Nest

Condition (circle one): -Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one): -1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: -

### LOCATION

DATUM: - \_\_\_\_\_ UTM N: - \_\_\_\_\_ UTM E: - \_\_\_\_\_

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line /  **Other (explain below)**

Location Details: Powerblock 2

### IDENTIFICATION

**Bird** / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): American coot

Color/Markings: -

Sex (circle one): Male / Female /  **Unknown** Age (circle one):  **Adult** / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  **No**

Identification Remarks: N/A

### ENVIRONMENTAL CONDITION

Weather (circle one):  **Clear** / Fog / Cloudy / Rain

Approx. Temperature (circle one):  **°F** / °C: 99

Wind (circle one):  **Calm** / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

**Bare Ground** / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

### NOTIFICATION

Who was notified, and When? Notification via submittal of form to wildlife agencies

Actions Taken (e.g., left in place, taken to rehab): Bird alive, no signs of physical injury, left in place

### COMMENTS:

N/A

## Avian and Wildlife Reporting Form

**\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\***

### INCIDENT DETAILS

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 10/3/2012 Observer: Eric German

Type of Incident (circle one): Injury /  Fatality / Nest

Condition (circle one):  Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one):  1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: Deceased more than a day, cause unknown

### LOCATION

DATUM: \_\_\_\_\_ UTM N: \_\_\_\_\_ UTM E: \_\_\_\_\_

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line /  Other (explain below)

Location Details: Unit 2, Block 2

### IDENTIFICATION

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): American coot

Color/Markings: \_\_\_\_\_

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

### ENVIRONMENTAL CONDITION

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 99

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

### NOTIFICATION

Who was notified, and When? Notification via submittal of form to wildlife agencies

Actions Taken (e.g., left in place, taken to rehab): Removed and buried off-site

### COMMENTS:

N/A

## Avian and Wildlife Reporting Form

**\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\***

### INCIDENT DETAILS

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 10/3/2012 Observer: Eric German

Type of Incident (circle one):  Injury / Fatality / Nest

Condition (circle one): -Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one): -1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: -

### LOCATION

DATUM: - \_\_\_\_\_ UTM N: - \_\_\_\_\_ UTM E: - \_\_\_\_\_

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line /  Other (explain below)

Location Details: Powerblock 2

### IDENTIFICATION

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): American bittern

Color/Markings: -

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

### ENVIRONMENTAL CONDITION

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 99

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

### NOTIFICATION

Who was notified, and When? CDFG on 10/3/2012 8:10:00 AM

Actions Taken (e.g., left in place, taken to rehab): Bird in powerblock2 for second day, contacted CDFG and it was decided to make capture attempt, bird flushed and not captured, moved between mirrors of Unit 2 and by 1:30 had left site

### COMMENTS:

N/A

## Avian and Wildlife Reporting Form

\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\*

**INCIDENT DETAILS**

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 10/4/2012 Observer: Eric German

Type of Incident (circle one): Injury /  Fatality / Nest

Condition (circle one):  Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one):  1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: Unknown cause

**LOCATION**

DATUM: \_\_\_\_\_ UTM N: \_\_\_\_\_ UTM E: \_\_\_\_\_

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line /  Other (explain below)

Location Details: Unit 2, block 10

**IDENTIFICATION**

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Unknown small bird

Color/Markings: \_\_\_\_\_

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

**ENVIRONMENTAL CONDITION**

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 92

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

**NOTIFICATION**

Who was notified, and When? Notification via submittal of form to wildlife agencies

Actions Taken (e.g., left in place, taken to rehab): Buried remains off-site

**COMMENTS:**

N/A

## Avian and Wildlife Reporting Form

**\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\***

### INCIDENT DETAILS

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 10/15/2012 Observer: Eric German

Type of Incident (circle one): Injury / Fatality / Nest

Condition (circle one): Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one): 1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: The bird was laying on its belly near the main access road after consultation with cdfg a flush attempt was made. The bird made alarm sounds and feints with its beak. It was allowed to remain and was monitored. Two hours later it made some movement attempts and stopped in the middle of the access road and lay on its stomach. It did not flush when approached. It did not have signs of broken wings or apparent leg problems.

### LOCATION

DATUM: UTM Z11 NAD83 (m) UTM N: 3726177 UTM E: 686890

Found Near (circle one):

Solar Trough / Evaporation Pond /  Road / Power Line / Other (explain below)

Location Details: Access road unit 2 ne corner block 4.

### IDENTIFICATION

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Western Grebe

Color/Markings: Black and white. Red eyes. Long neck

Sex (circle one): Male / Female /  Unknown Age (circle one): Adult / Juvenile /  Unknown

Is Animal Tagged? (circle one): Yes / No

Identification Remarks: N/A

### ENVIRONMENTAL CONDITION

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 80

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

### NOTIFICATION

Who was notified, and When? Designated Bio and CDFG on 10/15/2012 9:00:00 AM

Actions Taken (e.g., left in place, taken to rehab): Flush attempt. Then monitored. Two hours later a second flush attempt. Recovered from main access road and delivered to Blythe CDFG.

### COMMENTS:

N/A

- \* Turn in completed form and incident photos to the on-site Environmental Manager.
- \* Report any incidental observations of dead birds or other wildlife at the evaporation ponds to the Designated Biologist within one day of the detection of the carcass.
- \* Report any nests immediately to the on-site Environmental Manager.

## Avian and Wildlife Reporting Form

\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\*

**INCIDENT DETAILS**

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 10/23/2012 Observer: Eric German

Type of Incident (circle one): Injury /  Fatality / Nest

Condition (circle one):  Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one):  1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: Carcass appeared to be at least two days old. Unknown cause of death. Some carcass damage.

**LOCATION**

DATUM: UTM Z11 NAD83 (m) UTM N: 3726294 UTM E: 686965

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line /  Other (explain below)

Location Details: Powerblock 2, unit 2.

**IDENTIFICATION**

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): American Kestrel

Color/Markings: Brown back. Some red and grey noted Falcon type head

Sex (circle one): Male /  Female / Unknown Age (circle one): Adult / Juvenile /  Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

**ENVIRONMENTAL CONDITION**

Weather (circle one): Clear / Fog /  Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 74

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

**NOTIFICATION**

Who was notified, and When? Contractor notified designated bio on 10/23/2012 9:50:00 AM, notification via submittal of form to wildlife agencies

Actions Taken (e.g., left in place, taken to rehab): Bird was collected and disposed of by burial.

**COMMENTS:**

N/A

- \* Turn in completed form and incident photos to the on-site Environmental Manager.
- \* Report any incidental observations of dead birds or other wildlife at the evaporation ponds to the Designated Biologist within one day of the detection of the carcass.
- \* Report any nests immediately to the on-site Environmental Manager.

Date & Time: Tue Oct 23 09:49:52 PDT 2012  
Position: 11 N 686965 3726294  
Altitude: 348ft  
Azimuth/Bearing: 187° S07W 3324mils (True)  
Elevation Angle: -76.1°  
Horizon Angle: -02.4°  
Zoom: 1X  
bird mortality



## Avian and Wildlife Reporting Form

\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\*

**INCIDENT DETAILS**

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 10/25/2012 Observer: Gregg Lukasek

Type of Incident (circle one): Injury /  Fatality / Nest

Condition (circle one):  Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one):  1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: Eric german received call that a vehicle struck an owl along access road. The owl was located and was dead on arrival. Carcass is intact and very fresh.

**LOCATION**

DATUM: UTM Z11 NAD83 (m) UTM N: 3722008 UTM E: 692134

Found Near (circle one):

Solar Trough / Evaporation Pond /  Road / Power Line / Other (explain below)

Location Details: On the access road.

**IDENTIFICATION**

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Barn owl

Color/Markings: White breast with dark spots. Black stripe banding on tail.

Sex (circle one): Male /  Female / Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

**ENVIRONMENTAL CONDITION**

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 52

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground /  Creosote Bush Scrub /  Sand Dunes  
 Sand Drifts over Playa /  Ephemeral Wash /  Desert Pavement

**NOTIFICATION**

Who was notified, and When? Eric German on 10/25/2012 6:05:00 AM

Actions Taken (e.g., left in place, taken to rehab): Removed owl from access road and buried it. Took photographs. Took GPS locations for where owl was found on access road and where it was buried.

**COMMENTS:**

N/A

## Avian and Wildlife Reporting Form

**\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\***

### INCIDENT DETAILS

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 2/27/2013 Observer: Eric German

Type of Incident (circle one):  Injury / Fatality / Nest

Condition (circle one): -Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one): -1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: -

### LOCATION

DATUM: UTM Z11 NAD83 (m) UTM N: 3721231 UTM E: 695179

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line /  Other (explain below)

Location Details: Near transmission pole 54

### IDENTIFICATION

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Red-tailed hawk

Color/Markings: -

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

### ENVIRONMENTAL CONDITION

Weather (circle one): -Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: -

Wind (circle one): -Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground /  Creosote Bush Scrub / Sand Dunes

Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

### NOTIFICATION

Who was notified, and When? CDFW on 2/27/2013

Actions Taken (e.g., left in place, taken to rehab): Taken to licensed Blythe avian rehabilitation location per discussion with CDFW

### COMMENTS:

Located beneath existing powerlines and near interstate 10, injury may be power line strike or vehicle collision

**Date & Time: Tue Feb 26 16:04:16 PST 2013**

**Position: 11 N 695179 3721231**

**Altitude: 377ft**

**Azimuth/Bearing: 130° S50E 2311mils (True)**

**Elevation Angle: -03.5°**

**Horizon Angle: +00.8°**

**Zoom: 4X**

**Injured red-tailed hawk under creosote bush near pad 54.**



## Avian and Wildlife Reporting Form

\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\*

**INCIDENT DETAILS**

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 3/13/2013 Observer: Eric German

Type of Incident (circle one): Injury /  Fatality / Nest

Condition (circle one):  Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one):  1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: Unknown cause of mortality

**LOCATION**

DATUM: \_\_\_\_\_ UTM N: \_\_\_\_\_ UTM E: \_\_\_\_\_

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line /  Other (explain below)

Location Details: Powerblock 2

**IDENTIFICATION**

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Lesser goldfinch

Color/Markings: \_\_\_\_\_

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

**ENVIRONMENTAL CONDITION**

Weather (circle one): Clear / Fog /  Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 85

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

**NOTIFICATION**

Who was notified, and When? Notification via submittal of form to wildlife agencies

Actions Taken (e.g., left in place, taken to rehab): Buried off-site

**COMMENTS:**

N/A

## Avian and Wildlife Reporting Form

\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\*

**INCIDENT DETAILS**

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 3/19/2013 Observer: Shelly Dayman

Type of Incident (circle one): Injury /  Fatality / Nest

Condition (circle one): Intact Carcass /  Dismembered Carcass / Feathers Only

Age of Remains (circle one): 1-5 (fluid filled eyes) /  6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: Maggots, body in pieces, unknown cause of death

**LOCATION**

DATUM: UTM Z11 NAD83 (m) UTM N: 3726268 UTM E: 687027

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line /  Other (explain below)

Location Details: On access road, under power lines

**IDENTIFICATION**

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Lesser goldfinch

Color/Markings: -

Sex (circle one): Male / Female /  Unknown Age (circle one): Adult /  Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

**ENVIRONMENTAL CONDITION**

Weather (circle one): Clear / Fog /  Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 72

Wind (circle one): Calm /  Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground /  Creosote Bush Scrub / Sand Dunes  
 Sand Drifts over Playa /  Ephemeral Wash /  Desert Pavement

**NOTIFICATION**

Who was notified, and When? DB on 3/19/2013

Actions Taken (e.g., left in place, taken to rehab): Buried off-site

**COMMENTS:**

N/A

Date & Time: Tue Mar 19 11:39:30 PDT 2013  
Position: 11 N 687027 3726268  
Altitude: 389ft  
Azimuth/Bearing: 255° S75W 4533mils (True)  
Elevation Angle: -60.4°  
Horizon Angle: +00.4°  
Zoom: 1X  
bird remain s pb2.



## Avian and Wildlife Reporting Form

**\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\***

### INCIDENT DETAILS

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 3/20/2013 Observer: Eric German

Type of Incident (circle one): -Injury / Fatality / Nest

Condition (circle one): -Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one): -1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: Two red-winged blackbirds inside evaporation pond netting, one great-tailed grackle attempting to enter

### LOCATION

DATUM: \_\_\_\_\_ UTM N: \_\_\_\_\_ UTM E: \_\_\_\_\_

Found Near (circle one):

Solar Trough /  Evaporation Pond / Road / Power Line / Other (explain below)

Location Details: Southern evap pond

### IDENTIFICATION

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Red-winged blackbirds

Color/Markings: \_\_\_\_\_

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

### ENVIRONMENTAL CONDITION

Weather (circle one): Clear / Fog /  Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 72

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

### NOTIFICATION

Who was notified, and When? Wildlife agencies present on 3/20/2013

Actions Taken (e.g., left in place, taken to rehab): Gate of evaporation pond opened and red-winged blackbirds flushed out of netted area, grackle not seen

### COMMENTS:

N/A

Date & Time: Thu Mar 21 15:33:38 PDT 2013

Position: 11 N 685606 3727395

Altitude: 387ft

Azimuth/Bearing: 098° S82E 1742mils (True)

Elevation Angle: +17.0°

Horizon Angle: +01.5°

Zoom: 1X

evap pond netting needs repair



## Avian and Wildlife Reporting Form

\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\*

**INCIDENT DETAILS**

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 3/28/2013 Observer: Vick Germany

Type of Incident (circle one): Injury /  Fatality / Nest

Condition (circle one):  Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one):  1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: No aparent scorching from mirrors

**LOCATION**

DATUM: UTM Z11 NAD83 (m) UTM N: 3726124 UTM E: 687468

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line / Other (explain below)

Location Details: Unit 2, Block 9, between mirrors

**IDENTIFICATION**

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Bufflehead

Color/Markings: None

Sex (circle one): Male /  Female / Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

**ENVIRONMENTAL CONDITION**

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 75

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

**NOTIFICATION**

Who was notified, and When? CEC, BLM, USFWS, CDFW on 4/10/2013

Actions Taken (e.g., left in place, taken to rehab): Photo taken, removed and disposed

**COMMENTS:**

N/A

Date & Time: Thu Mar 28 09:45:01 PDT 2013

Position: 11 N 687468 3726124

Altitude: 384ft

Azimuth/Bearing: 262° S82W 4658mils (True)

Elevation Angle: -84.5°

Horizon Angle: -79.5°

Zoom: 1X

Dead female bufflehead found in Unit 2, between mirrors in Block 5.



## Avian and Wildlife Reporting Form

\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\*

**INCIDENT DETAILS**

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 4/17/2013 Observer: Mike Rathbun

Type of Incident (circle one): Injury /  Fatality / Nest

Condition (circle one): Intact Carcass /  Dismembered Carcass / Feathers Only

Age of Remains (circle one): 1-5 (fluid filled eyes) /  6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: Three dead birds, likely transmission line strikes

**LOCATION**

DATUM: \_\_\_\_\_ UTM N: \_\_\_\_\_ UTM E: \_\_\_\_\_

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line /  Other (explain below)

Location Details: Gas line between poles 49 to 56 (east of access road)

**IDENTIFICATION**

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Black-throated grey warbler, house wren, orange-crowned warbler

Color/Markings: \_\_\_\_\_

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

**ENVIRONMENTAL CONDITION**

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 72

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground /  Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

**NOTIFICATION**

Who was notified, and When? DB on 4/17/2013

Actions Taken (e.g., left in place, taken to rehab): Buried off-site

**COMMENTS:**

N/A

## Avian and Wildlife Reporting Form

**\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\***

### INCIDENT DETAILS

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 4/25/2013 Observer: Eric German

Type of Incident (circle one):  Injury / Fatality / Nest

Condition (circle one): -Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one): -1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: Some blood above beak and not able to fly any distance

### LOCATION

DATUM: UTM Z11 NAD83 (m) UTM N: - UTM E: -

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line / Other (explain below)

Location Details: Unit 2, block 10, row 52

### IDENTIFICATION

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Barn owl

Color/Markings: -

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

### ENVIRONMENTAL CONDITION

Weather (circle one): -Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: -

Wind (circle one): -Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

### NOTIFICATION

Who was notified, and When? CDFW on 4/25/2013

Actions Taken (e.g., left in place, taken to rehab): Taken to Blythe avian rehabilitation facility

### COMMENTS:

N/A

## Avian and Wildlife Reporting Form

**\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\***

### INCIDENT DETAILS

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 4/30/2013 Observer: Eric German

Type of Incident (circle one): -Injury / Fatality / Nest

Condition (circle one): -Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one): -1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: Two grackles inside evaporation pond netting

### LOCATION

DATUM: \_\_\_\_\_ UTM N: \_\_\_\_\_ UTM E: \_\_\_\_\_

Found Near (circle one):

Solar Trough /  Evaporation Pond / Road / Power Line / Other (explain below)

Location Details: -

### IDENTIFICATION

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Great-tailed grackles

Color/Markings: -

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

### ENVIRONMENTAL CONDITION

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 100

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

### NOTIFICATION

Who was notified, and When? Notification via submittal of form to wildlife agencies

Actions Taken (e.g., left in place, taken to rehab): Flushed grackles from netted area

### COMMENTS:

N/A

## Avian and Wildlife Reporting Form

\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\*

**INCIDENT DETAILS**

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 4/30/2013 Observer: Eric German

Type of Incident (circle one): Injury /  Fatality / Nest

Condition (circle one):  Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one):  1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: Carcass entangled in evap pond netting, looks to be in place longer than one day but less than one week

**LOCATION**

DATUM: UTM Z11 NAD83 (m) UTM N: 3727414 UTM E: 685660

Found Near (circle one):

Solar Trough /  Evaporation Pond / Road / Power Line / Other (explain below)

Location Details: Netting, north pond

**IDENTIFICATION**

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Pied-billed grebe

Color/Markings: -

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

**ENVIRONMENTAL CONDITION**

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 100

Wind (circle one): Calm /  Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

**NOTIFICATION**

Who was notified, and When? Notification via submittal of form to wildlife agencies

Actions Taken (e.g., left in place, taken to rehab): Could not remove carcass, left in place

**COMMENTS:**

Mortality observed due to two great-tailed grackles observed within enclosure

## Avian and Wildlife Reporting Form

**\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\***

### INCIDENT DETAILS

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 5/1/2013 Observer: Andrew Fisher

Type of Incident (circle one):  Injury / Fatality / Nest

Condition (circle one): -Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one): -1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: Live, resting on bare ground, picked up and placed in ventilated cardboard box

### LOCATION

DATUM: UTM Z11 NAD83 (m) UTM N: 3726261 UTM E: 686787

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line / Other (explain below)

Location Details: -

### IDENTIFICATION

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Eared grebe

Color/Markings: -

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

### ENVIRONMENTAL CONDITION

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 80

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

### NOTIFICATION

Who was notified, and When? DB, CDFW on 5/1/2013 10:40:00 AM

Actions Taken (e.g., left in place, taken to rehab): Taken to wildlife rehab center, bird seemed active and responsive

### COMMENTS:

N/A

## Avian and Wildlife Reporting Form

\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\*

**INCIDENT DETAILS**

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 5/1/2013 Observer: Eric German

Type of Incident (circle one): Injury /  Fatality / Nest

Condition (circle one):  Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one):  1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: Carcass entangled in evaporation pond netting.

**LOCATION**

DATUM: UTM Z11 NAD83 (m) UTM N: 3727414 UTM E: 685660

Found Near (circle one):

Solar Trough /  Evaporation Pond / Road / Power Line / Other (explain below)

Location Details: Northern evap pond. Middle of western half of pond.

**IDENTIFICATION**

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Pied billed grebe

Color/Markings: -

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

**ENVIRONMENTAL CONDITION**

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 100

Wind (circle one): Calm /  Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

**NOTIFICATION**

Who was notified, and When? Agencies on 5/1/2013 11:00:00 AM

Actions Taken (e.g., left in place, taken to rehab): Carcass left in place.

**COMMENTS:**

Plant site evap pond. Discovered while flushing two great tailed grackles from pond.

## Avian and Wildlife Reporting Form

**\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\***

### INCIDENT DETAILS

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 5/1/2013 Observer: Eric German

Type of Incident (circle one): -Injury / Fatality / Nest

Condition (circle one): -Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one): -1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: Swainson's thrush within southern evaporation pond

### LOCATION

DATUM: - \_\_\_\_\_ UTM N: - \_\_\_\_\_ UTM E: - \_\_\_\_\_

Found Near (circle one):

Solar Trough /  Evaporation Pond / Road / Power Line / Other (explain below)

Location Details: Southern

### IDENTIFICATION

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Swainson's thrush

Color/Markings: - \_\_\_\_\_

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

### ENVIRONMENTAL CONDITION

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 88

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

### NOTIFICATION

Who was notified, and When? Notification via submittal of form to wildlife agencies

Actions Taken (e.g., left in place, taken to rehab): Gate of evap pond opened, appeared that bird exited prior to gate opening

### COMMENTS:

N/A

## Avian and Wildlife Reporting Form

**\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\***

### INCIDENT DETAILS

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 5/7/2013 Observer: Eric German

Type of Incident (circle one): -Injury / Fatality / Nest

Condition (circle one): -Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one): -1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: Spotted sandpiper in south evap pond

### LOCATION

DATUM: - \_\_\_\_\_ UTM N: - \_\_\_\_\_ UTM E: - \_\_\_\_\_

Found Near (circle one):

Solar Trough /  Evaporation Pond / Road / Power Line / Other (explain below)

Location Details: South pond

### IDENTIFICATION

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Spotted sandpiper

Color/Markings: - \_\_\_\_\_

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

### ENVIRONMENTAL CONDITION

Weather (circle one): Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 72

Wind (circle one): -Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

### NOTIFICATION

Who was notified, and When? Notification via submittal of form to wildlife agencies

Actions Taken (e.g., left in place, taken to rehab): Opened evap pond gate for bird to exit, but bird exited through a hole in the south side of the netting, environmental compliance and contractor notified of hole

### COMMENTS:

N/A

## Avian and Wildlife Reporting Form

\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\*

**INCIDENT DETAILS**

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 5/8/2013 Observer: David Charlton

Type of Incident (circle one): Injury /  Fatality / Nest

Condition (circle one):  Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one):  1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: -

**LOCATION**

DATUM: UTM Z11 NAD83 (m) UTM N: 3718540 UTM E: 701913

Found Near (circle one):

Solar Trough / Evaporation Pond /  Road / Power Line / Other (explain below)

Location Details: On gravel road at transmission line curves toward sub station.

**IDENTIFICATION**

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Wilson's Warbler

Color/Markings: Yellow with dark cap

Sex (circle one):  Male / Female / Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

**ENVIRONMENTAL CONDITION**

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 60

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground /  Creosote Bush Scrub /  Sand Dunes  
 Sand Drifts over Playa /  Ephemeral Wash /  Desert Pavement

**NOTIFICATION**

Who was notified, and When? Eric German (DB) on 5/8/2013 7:29:00 AM

Actions Taken (e.g., left in place, taken to rehab): Identify and bury

**COMMENTS:**

N/A

## Avian and Wildlife Reporting Form

\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\*

**INCIDENT DETAILS**

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 5/14/2013 Observer: Eric German

Type of Incident (circle one):  Injury / Fatality / Nest

Condition (circle one): -Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one): -1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: Nothing appears broken. Bird does not flush.

**LOCATION**

DATUM: UTM Z11 NAD83 (m) UTM N: 3727200 UTM E: 684485

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line /  Other (explain below)

Location Details: Powerblock 1. There are no solar troughs in immediate area. Hot and in shade.

**IDENTIFICATION**

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Yellow headed blackbird

Color/Markings: Orange throat. White on wings.

Sex (circle one): -Male / Female / Unknown Age (circle one): Adult /  Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

**ENVIRONMENTAL CONDITION**

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 106

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

**NOTIFICATION**

Who was notified, and When? Notification via submittal of form to wildlife agencies

Actions Taken (e.g., left in place, taken to rehab): Bird did not flush when approached. Captured and taken to rehab.

**COMMENTS:**

N/A

## Avian and Wildlife Reporting Form

**\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\***

### INCIDENT DETAILS

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 5/14/2013 Observer: Eric German

Type of Incident (circle one):  Injury / Fatality / Nest

Condition (circle one): -Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one): -1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: Young yellow-headed blackbird in distress

### LOCATION

DATUM: - \_\_\_\_\_ UTM N: - \_\_\_\_\_ UTM E: - \_\_\_\_\_

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line /  Other (explain below)

Location Details: Powerblock 1

### IDENTIFICATION

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Yellow-headed blackbird

Color/Markings: - \_\_\_\_\_

Sex (circle one): Male / Female /  Unknown Age (circle one): Adult /  Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

### ENVIRONMENTAL CONDITION

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 106

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

### NOTIFICATION

Who was notified, and When? Notification via submittal of form to wildlife agencies

Actions Taken (e.g., left in place, taken to rehab): Removed bird and taken to avian rehab in Blythe

### COMMENTS:

N/A

## Avian and Wildlife Reporting Form

**\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\***

### INCIDENT DETAILS

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 5/14/2013 Observer: Mike Rathbun

Type of Incident (circle one): -Injury / Fatality / Nest

Condition (circle one): -Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one): -1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: Barn owl reported near cooling fans of powerblock 2, not injured

### LOCATION

DATUM: - \_\_\_\_\_ UTM N: - \_\_\_\_\_ UTM E: - \_\_\_\_\_

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line /  Other (explain below)

Location Details: Powerblock 2, near cooling fans

### IDENTIFICATION

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Barn owl

Color/Markings: - \_\_\_\_\_

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

### ENVIRONMENTAL CONDITION

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 105

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

### NOTIFICATION

Who was notified, and When? DB on 5/14/2013

Actions Taken (e.g., left in place, taken to rehab): Monitored to determine bird out of harm's way

### COMMENTS:

N/A

Date/Time: Tue May 14 12:19:29 PDT 2013  
Position: 40003623 / -114.9639  
Altitude: 6008  
Azimuth Bearing: 157.5232 (Magnetic)  
Elevation: 52.9149  
Horizon Angle: 19.00  
Camera: 1X  
User: jwl



## Avian and Wildlife Reporting Form

\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\*

**INCIDENT DETAILS**

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 5/15/2013 Observer: Eric German

Type of Incident (circle one): Injury /  Fatality / Nest

Condition (circle one):  Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one):  1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: Found beneath tracks of equipment. Not compressed or pinned. Near existing powerlines.

**LOCATION**

DATUM: UTM Z11 NAD83 (m) UTM N: 3718569 UTM E: 701855

Found Near (circle one):

Solar Trough / Evaporation Pond / Road /  Power Line / Other (explain below)

Location Details: Found beneath tracks of equipment. Not compressed or pinned. Near existing powerlines. East end of crs road.

**IDENTIFICATION**

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Hermit thrush

Color/Markings: Spots on chest. Rufous tail

Sex (circle one): -Male / Female / Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

**ENVIRONMENTAL CONDITION**

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 106

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub /  Sand Dunes

Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

**NOTIFICATION**

Who was notified, and When? Notification via submittal of form to wildlife agencies

Actions Taken (e.g., left in place, taken to rehab): Removed and buried.

**COMMENTS:**

N/A

## Avian and Wildlife Reporting Form

\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\*

### INCIDENT DETAILS

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 5/16/2013 Observer: Eric German

Type of Incident (circle one): Injury /  Fatality / Nest

Condition (circle one):  Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one):  1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: Intact carcass missing wing

### LOCATION

DATUM: UTM Z11 NAD83 (m) UTM N: 695222 UTM E: 3720376

Found Near (circle one):

Solar Trough / Evaporation Pond / Road /  Power Line / Other (explain below)

Location Details: Beneath powerlines south of i10.

### IDENTIFICATION

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Wilson's warbler

Color/Markings: Possible red stripes on breast.

Sex (circle one): -Male / Female / Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: Possible red streaks on breast

### ENVIRONMENTAL CONDITION

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 97

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground /  Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

### NOTIFICATION

Who was notified, and When? To be reported with submission of forms

Actions Taken (e.g., left in place, taken to rehab): Removed and buried.

### COMMENTS:

N/A

\* Turn in completed form and incident photos to the on-site Environmental Manager.

\* Report any incidental observations of dead birds or other wildlife at the evaporation ponds to the Designated Biologist within one day of the detection of the carcass.

\* Report any nests immediately to the on-site Environmental Manager.

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## Avian and Wildlife Reporting Form

**\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\***

### INCIDENT DETAILS

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 5/16/2013 Observer: Eric German

Type of Incident (circle one): Injury /  Fatality / Nest

Condition (circle one):  Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one):  1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: Carcass intact.

### LOCATION

DATUM: UTM Z11 NAD83 (m) UTM N: 695206 UTM E: 3720336

Found Near (circle one):

Solar Trough / Evaporation Pond / Road /  Power Line / Other (explain below)

Location Details: Beneath power line south of i10

### IDENTIFICATION

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Townsend's warbler

Color/Markings: Yellow head and chest with black around eyes.

Sex (circle one): -Male / Female / Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

### ENVIRONMENTAL CONDITION

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 102

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground /  Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

### NOTIFICATION

Who was notified, and When? Notification via submittal of form to wildlife agencies

Actions Taken (e.g., left in place, taken to rehab): Photographed and buried.

### COMMENTS:

N/A

\* Turn in completed form and incident photos to the on-site Environmental Manager.

\* Report any incidental observations of dead birds or other wildlife at the evaporation ponds to the Designated Biologist within one day of the detection of the carcass.\* Report any nests immediately to the on-site Environmental Manager.

## Avian and Wildlife Reporting Form

**\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\***

### INCIDENT DETAILS

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 5/22/2013 Observer: Mike Rathbun

Type of Incident (circle one):  Injury / Fatality / Nest

Condition (circle one): -Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one): -1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: Injured, did not try to fly or run, when captured tried to bite and noisy call

### LOCATION

DATUM: - \_\_\_\_\_ UTM N: 114.9935 UTM E: 33.6573

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line / Other (explain below)

Location Details: Unit 2, Block 4, between rows 50&51

### IDENTIFICATION

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Western grebe

Color/Markings: Black below red eyes, long shape bill

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

### ENVIRONMENTAL CONDITION

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 92

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

### NOTIFICATION

Who was notified, and When? DB on 5/22/2013 11:34:00 AM

Actions Taken (e.g., left in place, taken to rehab): Bird taken to Blythe avian rehab center

### COMMENTS:

N/A

## Avian and Wildlife Reporting Form

\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\*

**INCIDENT DETAILS**

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 5/22/2013 Observer: Mike Rathbun

Type of Incident (circle one): Injury /  Fatality / Nest

Condition (circle one):  Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one):  1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: Intact carcass

**LOCATION**

DATUM: UTM Z11 NAD83 (m) UTM N: 3721275 UTM E: 695203

Found Near (circle one):

Solar Trough / Evaporation Pond / Road /  Power Line / Other (explain below)

Location Details: Under tower 54, 30 feet away, under powerline

**IDENTIFICATION**

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Yellow warbler

Color/Markings: -

Sex (circle one): Male /  Female / Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

**ENVIRONMENTAL CONDITION**

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 72

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground /  Creosote Bush Scrub / Sand Dunes

Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

**NOTIFICATION**

Who was notified, and When? DB on 5/22/2013 6:45:00 AM

Actions Taken (e.g., left in place, taken to rehab): Buried off-site

**COMMENTS:**

N/A

## Avian and Wildlife Reporting Form

\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\*

### INCIDENT DETAILS

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 5/23/2013 Observer: Eric German

Type of Incident (circle one): Injury /  Fatality / Nest

Condition (circle one): Intact Carcass /  Dismembered Carcass / Feathers Only

Age of Remains (circle one):  1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: Crushed on access road.

### LOCATION

DATUM: UTM Z11 NAD83 (m) UTM N: 3721112 UTM E: 693393

Found Near (circle one):

Solar Trough / Evaporation Pond /  Road / Power Line / Other (explain below)

Location Details: Access road mortality. Creosote bush scrub. Near powerlines.

### IDENTIFICATION

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Unknown warbler

Color/Markings: Yellow breast. Yellow green back and head.

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

### ENVIRONMENTAL CONDITION

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 80

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground /  Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

### NOTIFICATION

Who was notified, and When? To be reported. Form completed on 5/23/2013 8:30:00 AM

Actions Taken (e.g., left in place, taken to rehab): Bird disposed of by burial.

### COMMENTS:

N/A

## Avian and Wildlife Reporting Form

\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\*

**INCIDENT DETAILS**

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 5/24/2013 Observer: Eric German

Type of Incident (circle one): Injury /  Fatality / Nest

Condition (circle one): Intact Carcass /  Dismembered Carcass / Feathers Only

Age of Remains (circle one):  1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: Crushed on access road.

**LOCATION**

DATUM: UTM Z11 NAD83 (m) UTM N: 3725489 UTM E: 688010

Found Near (circle one):

Solar Trough / Evaporation Pond /  Road / Power Line / Other (explain below)

Location Details: Access road mortality. Creosote bush scrub. Near powerlines. Found on road shoulder

**IDENTIFICATION**

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Unkown sparrow

Color/Markings: Dark wings.

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

**ENVIRONMENTAL CONDITION**

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 85

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground /  Creosote Bush Scrub / Sand Dunes

Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

**NOTIFICATION**

Who was notified, and When? Designated bio. Form to be submitted as batch. on 5/24/2013 8:30:00 AM

Actions Taken (e.g., left in place, taken to rehab): Bird disposed of by burial.

**COMMENTS:**

N/A

## Avian and Wildlife Reporting Form

\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\*

**INCIDENT DETAILS**

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey /  Incidental

Date: 5/30/2013 Observer: Mike Rathbun

Type of Incident (circle one): Injury /  Fatality / Nest

Condition (circle one):  Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (circle one):  1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal or Nest Details: No maggots, but smelled of death

**LOCATION**

DATUM: UTM Z11 NAD83 (m) UTM N: 3726773 UTM E: 684534

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line /  Other (explain below)

Location Details: Next to permanent fence, directly south of PB1

**IDENTIFICATION**

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): American coot

Color/Markings: -

Sex (circle one): Male / Female /  Unknown Age (circle one):  Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes /  No

Identification Remarks: N/A

**ENVIRONMENTAL CONDITION**

Weather (circle one):  Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one):  °F / °C: 90

Wind (circle one):  Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

**NOTIFICATION**

Who was notified, and When? DB on 5/30/2013 4:00:00 PM

Actions Taken (e.g., left in place, taken to rehab): Buried off-site

**COMMENTS:**

N/A

Date & Time: Thu, May 30 10:51:50 EDT 2013  
Position: -088.6640, 7 - 18.0100  
Altitude: 276ft  
Azimuth Bearing: 052° N62E (Magnetic)  
Elevation Angle: 81.3°  
Horizon Angle: 96.7°  
Zoom: 1X  
dead Gannet southside of unit 1 perimeter fence



Bio-monitor	Date	Phase	Situation	Incident Type	Carcass Cond	Age of Remains	Carcass Details	UTM_D at	Northing	Easting	Observation		Species	Markings	Sex	Age	Tag	Weather	Temp	Wind	Habitat	Notification			Actions	Comments
											Location	Details										Who	Date	Time		
Gregg Lukasek	17-Jul-12	Construction	Plant Site (incidental)	Fatality	Intact Carcass	1-5 (fluid in eyes)	Bird appears to be vehicle mortality					Unit 2, block 5	Bullocks oriole		Unk	Adult	NO	Sunny	96	Calm	Bare Ground	DB	7/17/2012		Buried off-site	N/A
Shelly Dayman	17-Jul-12	Construction	Plant Site (incidental)								Assembly building, unit1	Great-horned owl		Unk	Adult	NO	Sunny	110	Calm	Bare Ground	DB	7/17/2012		Evaporation coolers left on to keep building cool to not stress animal, no work in vicinity of owl, all doors of building left open to allow owl to leave after dark, owl was gone by 9pm	Owl appeared to be somewhat heat stressed during day, coolers running to cool building, left on own volition after dark, did not return	
Shelly Dayman	18-Jul-12	Construction	Plant Site (incidental)	Fatality	Intact Carcass	1-5 (fluid in eyes)	Found in mirror array, burn marks on back of neck	UTM Z11 NAD83 (m)	3726885	685899	Solar Trough	Unit 2, northern area, block 1 or 2	Bullocks oriole		Unk	Adult	NO	Sunny	97	Calm	Bare Ground	DB, Bureau veritas	7/18/2012	4:08:00 PM	Photographs of burn marks taken, animal disposed and buried	N/A
Eric German	23-Jul-12	Construction	Plant Site (incidental)	Fatality	Intact Carcass	1-5 (fluid in eyes)					Other (explain below)	Plant site	Western meadowlark		Unk	Adult	NO	Sunny	95	Calm	Bare Ground	Form to agencies			Buried off-site	N/A
Eric German	23-Jul-12	Construction	Plant Site (incidental)	Injury							Other (explain below)	Assembly building	Brewers blackbird		Unk	Adult	NO	Sunny	95	Calm	Bare Ground	Form to agencies			Reported to be injured, but can fly and was foraging, appears to be molting, bird last seen outside building	N/A
Eric German	24-Jul-12	Construction	Access road (incidental)	Fatality	Intact Carcass	1-5 (fluid in eyes)					Road	Access road	Unknown		Unk	Adult	NO	Sunny	89	Calm	Creosote Bush Scrub	Form to agencies			Carcass along access road, cause of death unknown, removed and buried off-site	N/A

Bio-monitor	Date	Phase	Situation	Incident Type	Carcass Cond	Age of Remains	Carcass Details	UTM_D at	Northing	Easting	Observation		Species	Markings	Sex	Age	Tag	Weather	Temp	Wind	Habitat	Notification			Actions	Comments
											Location	Details										Who	Date	Time		
Eric German	24-Jul-12	Construction	Plant Site (incidental)								Other (explain below)	Assembly building, Unit 1	Lesser nighthawk		Unk	Adult	NO	Sunny	101	Calm	Bare Ground	Bureau veritas	7/24/2012	2:00:00 PM	Was able to flush bird from building, temps in building hotter than outside	N/A
Shelly Dayman	24-Jul-12	Construction	Plant Site (incidental)	Fatality	Intact Carcass	1-5 (fluid in eyes)	Bird died in assembly building likely due to heat exhaustion				Other (explain below)	Assembly building, Unit 1	Brewer's blackbird		Unk	Adult	NO	Sunny	101	Calm	Bare Ground	Bureau veritas, DB	7/24/2012	1:50:00 PM	While bird was in distress was put in ventilated cardboard box but bird died within minutes, carcass buried off-site	N/A
Eric German	27-Jul-12	Construction	Plant Site (incidental)	Fatality	Intact Carcass	1-5 (fluid in eyes)	No signs of trauma				Other (explain below)	Powerblock 2	Mourning dove		Unk	Adult	NO	Sunny	98	Calm	Bare Ground	Form to agencies			Removed and buried off-site	N/A
Eric German	18-Aug-12	Construction	Plant Site (incidental)	Fatality	Intact Carcass	1-5 (fluid in eyes)					Other (explain below)	Powerblock 1	Mourning dove		Unk	Adult	NO	Sunny	85	Calm	Bare Ground	Form to agencies			Buried off-site	N/A
Eric German	09-Sep-12	Construction	Plant Site (incidental)	Injury							Other (explain below)	Powerblock 2, under vehicle	Common snipe		Unk	Adult	NO	Sunny	98	Calm	Bare Ground	Form to agencies			Heat stressed under vehicle, would not flush, removed and released off-site in moist palo verde area	N/A
Eric German	24-Sep-12	Construction	Plant Site (incidental)	Injury			Report of bird striking a mirror				Other (explain below)	Powerblock 2	Gull		Unk	Adult	NO	Sunny	104	Calm	Bare Ground	Form to agencies			Report of injured bird near powerblock 2, bird was gull and able to fly, allowed bird to rest and recover, checked again in a few hours and gull not present	N/A

Bio-monitor	Date	Phase	Situation	Incident Type	Carcass Cond	Age of Remains	Carcass Details	UTM_D at	Northing	Easting	Observation		Species	Markings	Sex	Age	Tag	Weather	Temp	Wind	Habitat	Notification			Actions	Comments
											Location	Details										Who	Date	Time		
Eric German	02-Oct-12	Construction	Plant Site (incidental)								Other (explain below) Powerblock 2	American bittern		Unk	Adult	NO	Sunny	100	Calm	Bare Ground	Form to agencies			Report of bird in powerblock 2, alive, bird flushed soon after observation, could not relocate	N/A	
Eric German	03-Oct-12	Construction	Plant Site (incidental)								Other (explain below) Powerblock 2	American coot		Unk	Adult	NO	Sunny	99	Calm	Bare Ground	Form to agencies			Bird alive, no signs of physical injury, left in place	N/A	
Eric German	03-Oct-12	Construction	Plant Site (incidental)	Fatality	Intact Carcass	1-5 (fluid in eyes)	Deceased more than a day, cause unknown				Other (explain below) Unit 2, Block 2	American coot		Unk	Adult	NO	Sunny	99	Calm	Bare Ground	Form to agencies			Removed and buried off-site	N/A	
Eric German	03-Oct-12	Construction	Plant Site (incidental)	Injury							Other (explain below) Powerblock 2	American bittern		Unk	Adult	NO	Sunny	99	Calm	Bare Ground	CDFG	10/3/2012	8:10:00 AM	Bird in powerblock2 for second day, contacted CDFG and it was decided to make capture attempt, bird flushed and not captured, moved between mirrors of Unit 2 and by 1:30 had left site	N/A	
Eric German	04-Oct-12	Construction	Plant Site (incidental)	Fatality	Intact Carcass	1-5 (fluid in eyes)	Unknown cause				Other (explain below) Unit 2, block 10	Unknown small bird		Unk	Adult	NO	Sunny	92	Calm	Bare Ground	Form to agencies			Buried remains off-site	N/A	

Bio-monitor	Date	Phase	Situation	Incident Type	Carcass Cond	Age of Remains	Carcass Details	UTM_D at	Northing	Easting	Observation		Species	Markings	Sex	Age	Tag	Weather	Temp	Wind	Habitat	Notification			Actions	Comments
											Location	Details										Who	Date	Time		
Eric German	15-Oct-12	Construction	Access road (incidental)	Atypical behavior	N/A	N/A	The bird was laying on its belly near the main access road after consultation with cdfg a flush attempt was made. The bird made alarm sounds and feints with its beak. It was allowed to remain and was monitored. Two hours later it made some movement attemp	UTM Z11 NAD83 (m)	3726177	686890	Road	Access road unit 2 ne corner block 4.	Western Grebe	Black and white. Red eyes. Long neck	Unk	Unk own	N/A	Sunny	80	Calm	Bare Ground	Designated Bio and CDFG	10/15/2012	9:00:00 AM	Flush attempt. Then monitored. Two hours later a second flush attempt. Recovered from main access road and delivered to Blythe CDFG.	N/A
Eric German	23-Oct-12	Construction	Plant Site (incidental)	Fatality	Intact Carcass	1-5 (fluid in eyes)	Carcass appeared to be at least two days old. Unknown cause of death. Some carcass damage.	UTM Z11 NAD83 (m)	3726294	686965	Other (explain below)	Powerblock 2, unit 2.	American Kestrel	Brown back. Some red and grey noted Falcon type head	Fem	Unk own	NO	Partly Sunny	74	Calm	Bare Ground	Contractor notified designated bio.	10/23/2012	9:50:00 AM	Bird was collected and disposed of by burial.	N/A
Gregg Lukasek	25-Oct-12	Construction	Access road (incidental)	Fatality	Intact Carcass	1-5 (fluid in eyes)	Eric german received call that a vehicle struck an owl along access road. The owl was located and was dead on arrival. Carcass is intact and very fresh.	UTM Z11 NAD83 (m)	3722008	692134	Road	On the access road.	Barn owl	White breast with dark spots. Black stripe banding on tail.	Fem	Adult	NO	Sunny	52	Calm	Creosote Bush Scrub	Eric German	10/25/2012	6:05:00 AM	Removed owl from access road and buried it. Took photographs. Took GPS locations for where owl was found on access road and where it was buried.	N/A

Bio-monitor	Date	Phase	Situation	Incident Type	Carcass Cond	Age of Remains	Carcass Details	UTM_D at	Northing	Easting	Observation		Species	Markings	Sex	Age	Tag	Weather	Temp	Wind	Habitat	Notification			Actions	Comments
											Location	Details										Who	Date	Time		
Eric German	27-Feb-13	Construction	Gas Line (incidental)	Injury				UTM Z11 NAD83 (m)	3721231	695179	Other (explain below)	Near transmission pole 54	Red-tailed hawk		Unk	Adult	NO				Creosote Bush Scrub	CDFW	2/27/2013		Taken to licensed Blythe avian rehabilitation location per discussion with CDFW	Located beneath existing powerlines and near interstate 10, injury may be power line strike or vehicle collision
Eric German	13-Mar-13	Construction	Plant Site (incidental)	Fatality	Intact Carcass	1-5 (fluid in eyes)	Unknown cause of mortality				Other (explain below)	Powerblock 2	Lesser goldfinch		Unk	Adult	NO	Partly Sunny	85	Calm	Bare Ground	Form to agencies			Buried off-site	N/A
Shelly Dayman	19-Mar-13	Construction	Transmission Line (incidental)	Fatality	Dismembered Carcass	6-30 (maggots)	Maggots, body in pieces, unknown cause of death	UTM Z11 NAD83 (m)	3726268	687027	Other (explain below)	On access road, under power lines	Lesser goldfinch		Unk	Juv	NO	Partly Sunny	72	Gusty	Creosote Bush Scrub	DB	3/19/2013		Buried off-site	N/A
Eric German	20-Mar-13	Construction	Plant Site (incidental)				Two red-winged blackbirds inside evaporation pond netting, one great-tailed grackle attempting to enter				Evaporation Pond	Southern evap pond	Red-winged blackbirds		Unk	Adult	NO	Cloudy	72	Calm	Evaporation pond	Wildlife agencies present	3/20/2013		Gate of evaporation pond opened and red-winged blackbirds flushed out of netted area, grackle not seen	N/A
Vick Germany	28-Mar-13	Construction	Plant Site (incidental)	Fatality	Intact Carcass	1-5 (fluid in eyes)	No aparent scorching from mirrors	UTM Z11 NAD83 (m)	3726124	687468	Solar Trough	Unit 2, Block 9, between mirrors	Bufflehead	None	Fem	Adult	NO	Sunny	75	Calm	Graded	CEC, BLM, USFWS, CDFW	4/10/2013		Photo taken, removed and disposed	N/A
Mike Rathbun	17-Apr-13	Construction	Gas Line (incidental)	Fatality	Dismembered Carcass	6-30 (maggots)	Three dead birds, likely transmission line strikes				Other (explain below)	Gas line between poles 49 to 56 (east of access road)	Black-throated grey warbler, house wren, orange-crowned warbler		Unk	Adult	NO	Sunny	72	Calm	Creosote Bush Scrub	DB	4/17/2013		Buried off-site	N/A
Eric German	25-Apr-13	Construction	Access road (incidental)	Injury			Some blood above beak and not able to fly any distance	UTM Z11 NAD83 (m)			Solar Trough	Unit 2, block 10, row 52	Barn owl		Unk	Adult	NO				Bare Ground	CDFW	4/25/2013		Taken to Blythe avian rehabilitation facility	N/A

Bio-monitor	Date	Phase	Situation	Incident Type	Carcass Cond	Age of Remains	Carcass Details	UTM_D at	Northing	Easting	Observation		Species	Markings	Sex	Age	Tag	Weather	Temp	Wind	Habitat	Notification			Actions	Comments	
											Location	Details										Who	Date	Time			
Eric German	30-Apr-13	Construction	Plant Site (incidental)	Fatality	Intact Carcass	1-5 (fluid in eyes)	Carcass entangled in evap pond netting, looks to be in place longer than one day but less than one week	UTM Z11 NAD83 (m)	3727414	685660	Evaporation Pond	Netting, north pond	Pied-billed grebe		Unk	Adult	NO	Sunny	100	Gusty	Other (note)	Form to agencies				Could not remove carcass, left in place	Mortality observed due to two great-tailed grackles observed within enclosure
Eric German	30-Apr-13	Construction	Plant Site (incidental)				Two grackles inside evaporation pond netting				Evaporation Pond		Great-tailed grackles		Unk	Adult	NO	Sunny	100	Calm	Other (note)	Form to agencies				Flushed grackles from netted area	N/A
Andrew Fisher	01-May-13	Construction	Plant Site (incidental)	Injury			Live, resting on bare ground, picked up and placed in ventilated cardboard box	UTM Z11 NAD83 (m)	3726261	686787	Solar Trough		Eared grebe		Unk	Adult	NO	Sunny	80	Calm	Bare Ground	DB, CDFW	5/1/2013	10:40:00 AM		Taken to wildlife rehab center, bird seemed active and responsive	N/A
Eric German	01-May-13	Construction	Plant Site (incidental)				Swainson's thrush within southern evaporation pond				Evaporation Pond	Southern	Swainson's thrush		Unk	Adult	NO	Sunny	88	Calm	Other (note)	Form to agencies				Gate of evap pond opened, appeared that bird exited prior to gate opening	N/A
Eric German	01-May-13	Construction	Plant Site (incidental)	Fatality	Intact Carcass	1-5 (fluid in eyes)	Carcass entangled in evaporation pond netting.	UTM Z11 NAD83 (m)	3727414	685660	Evaporation Pond	Northern evap pond. Middle of western half of pond.	Pied billed grebe		Unk	Adult	NO	Sunny	100	Gusty	Other (note)	Agencies	5/1/2013	11:00:00 AM		Carcass left in place.	Plant site evap pond. Discovered while flushing two great tailed grackles from pond.
Eric German	07-May-13	Construction	Plant Site (incidental)				Spotted sandpiper in south evap pond				Evaporation Pond	South pond	Spotted sandpiper		Unk	Adult	NO	Windy	72		Other (note)	Form to agencies				Opened evap pond gate for bird to exit, but bird exited through a hole in the south side of the netting, environmental compliance and contractor notified of hole	N/A

Bio-monitor	Date	Phase	Situation	Incident Type	Carcass Cond	Age of Remains	Carcass Details	UTM_D at	Northing	Easting	Observation		Species	Markings	Sex	Age	Tag	Weather	Temp	Wind	Habitat	Notification			Actions	Comments	
											Location	Details										Who	Date	Time			
David Charlton	08-May-13	Construction	Transmission Line (incidental)	Fatality	Intact Carcass	1-5 (fluid in eyes)		UTM Z11 NAD83 (m)	3718540	701913	Road	On gravel road at transmission line curves toward sub station.	Wilson's Warbler	Yellow with dark cap	Male	Adult	NO	Sunny	60	Calm	Graded	Eric German (DB)	5/8/2013	7:29:00 AM	Identify and bury	N/A	
Eric German	14-May-13	Construction	Plant Site (incidental)	Injury			Nothing appears broken. Bird does not flush.	UTM Z11 NAD83 (m)	3727200	684485	Other (explain below)	Powerblock 1. There are no solar troughs in immediate area. Hot and in shade.	Yellow headed blackbird	Orange throat. White on wings.		Juv	NO	Sunny	106	Calm	Bare Ground	Form to agencies			Bird did not flush when approached. Captured and taken to rehab.	N/A	
Eric German	14-May-13	Construction	Plant Site (incidental)	Injury			Young yellow-headed blackbird in distress				Other (explain below)	Powerblock 1	Yellow-headed blackbird		Unk	Juv	NO	Sunny	106	Calm	Bare Ground	Form to agencies			Removed bird and taken to avian rehab in Blythe	N/A	
Mike Rathbun	14-May-13	Construction	Plant Site (incidental)				Barn owl reported near cooling fans of powerblock 2, not injured				Other (explain below)	Powerblock 2, near cooling fans	Barn owl		Unk	Adult	NO	Sunny	105	Calm	Bare Ground	DB	5/14/2013		Monitored to determine bird out of harm's way	N/A	
Eric German	15-May-13	Construction	Transmission Line (incidental)	Fatality	Intact Carcass	1-5 (fluid in eyes)	Found beneath tracks of equipment. Not compressed or pinned. Near existing powerlines.	UTM Z11 NAD83 (m)	3718569	701855	Power Line	Found beneath tracks of equipment. Not compressed or pinned. Near existing powerlines. East end of crs road.	Hermit thrush	Spots on chest. Rufous tail		Adult	NO	Sunny	106	Calm	Sand Dune	Form to agencies			Removed and buried.	N/A	
Eric German	16-May-13	Construction	Transmission Line (incidental)	Fatality	Intact Carcass	1-5 (fluid in eyes)	Carcass intact.	UTM Z11 NAD83 (m)	695206	3720336	Power Line	Beneath power line south of i10	Townsend's warbler	Yellow head and chest with black around eyes.		Adult	NO	Sunny	102	Calm	Creosote Bush Scrub	Form to agencies			Photographed and buried.	N/A	
Eric German	16-May-13	Construction	Transmission Line (incidental)	Fatality	Intact Carcass	1-5 (fluid in eyes)	Intact carcass missing wing	UTM Z11 NAD83 (m)	695222	3720376	Power Line	Beneath powerlines south of i10.	Wilson's warbler	Possible red stripes on breast.		Adult	NO	Sunny	97	Calm	Creosote Bush Scrub	Form to agencies			Removed and buried.	N/A	
Mike Rathbun	22-May-13	Construction	Plant Site (incidental)	Injury			Injured, did not try to fly or run, when captured tried to bite and noisy call		114.9935	33.6573	Solar Trough	Unit 2, Block 4, between rows 50&51	Western grebe	Black below red eyes, long shape bill		Unk	Adult	NO	Sunny	92	Calm	Bare Ground	DB	5/22/2013	11:34:00 AM	Bird taken to Blythe avian rehab center	N/A
Mike Rathbun	22-May-13	Construction	Transmission Line (incidental)	Fatality	Intact Carcass	1-5 (fluid in eyes)	Intact carcass	UTM Z11 NAD83 (m)	3721275	695203	Power Line	Under tower 54, 30 feet away, under powerline	Yellow warbler		Fem	Adult	NO	Sunny	72	Calm	Creosote Bush Scrub	DB	5/22/2013	6:45:00 AM	Buried off-site	N/A	
Eric German	23-May-13	Construction	Access road (incidental)	Fatality	Dismembered Carcass	1-5 (fluid in eyes)	Crushed on access road.	UTM Z11 NAD83 (m)	3721112	693393	Road	Access road mortality. Creosote bush scrub. Near powerlines.	Unknown warbler	Yellow breast. Yellow green back and head.	Unk	Adult	NO	Sunny	80	Calm	Creosote Bush Scrub	To be reported. Form completed	5/23/2013	8:30:00 AM	Bird disposed of by burial.	N/A	

Bio-monitor	Date	Phase	Situation	Incident Type	Carcass Cond	Age of Remains	Carcass Details	UTM_D at	Northing	Easting	Observation		Species	Markings	Sex	Age	Tag	Weather	Temp	Wind	Habitat	Notification			Actions	Comments
											Location	Details										Who	Date	Time		
Eric German	24-May-13	Construction	Access road (incidental)	Fatality	Dismembered Carcass	1-5 (fluid in eyes)	Crushed on access road.	UTM Z11 NAD83 (m)	3725489	688010	Road	Access road mortality. Creosote bush scrub. Near powerlines. Found on road shoulder	Unkown sparrow	Dark wings.	Unk	Adult	NO	Sunny	85	Calm	Creosote Bush Scrub	Designated bio. Form to be submitted in MCR.	5/24/2013	8:30:00 AM	Bird disposed of by burial.	N/A
Mike Rathbun	30-May-13	Construction	Plant Site (incidental)	Fatality	Intact Carcass	1-5 (fluid in eyes)	No maggots, but smelled of death	UTM Z11 NAD83 (m)	3726773	684534	Other (explain below)	Next to permanent fence, directly south of PB1	American coot		Unk	Adult	NO	Sunny	90	Calm	Graded	DB	5/30/2013	4:00:00 PM	Buried off-site	N/A

**ATTACHMENT 5**

**CORRESPONDENCE**

From: German, Charles  
Sent: Wednesday, May 01, 2013 1:48 PM  
To: Magdalena Rodriguez; Tera\_Baird@fws.gov; AGolden@energy.state.ca.us  
Cc: Guigliano, Jennifer; Jennifer.Gavaldon@fpl.com; Ireland, Mike; Dayman, Shelly; Chuck.griffin@us.bureauveritas.com; mmassar@blm.gov; German, Charles  
Subject: Genesis MFTL Wildlife Incident Form 20130501  
Attachments: 20130501\_Genesis\_MFTL.pdf

Attached is a Construction Wildlife Incident Form for a Mojave Fringe-toed Lizard mortality. The mortality occurred on the access road.

Eric German  
Designated Biologist  
Genesis Solar Energy Project  
805-895-9842

### Construction Wildlife Incident Form

\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\*

#### INCIDENT DETAILS

Date: 05/01/2013 Observer: MIKE RATHBUN

Type of Incident (circle one): Injury / Fatality / Nest

Cause of Death: VEHICULAR Mortality on ACCESS ROAD

Condition (circle one): Intact Carcass / Dismembered Carcass / Feathers Only

Photo No. YES

Carcass Condition Details, Behavior of Injured Animal, or Nest Details:

Deceased - Head was crushed by vehicle

#### LOCATION

DATUM: NAD 83

UTM E: 689156 UTM N: 3724292

Location Details (microhabitat, etc.):

CREOSOTE SCRUB WITH SANDY SOIL

#### IDENTIFICATION

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): MOJAVE FRINGE-TOED LIZARD

Sex (circle one): Male / Female / Unknown

Age (circle one): Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes / No

Identification Remarks: Dark Blotches on side & pattern on Back

#### ENVIRONMENTAL CONDITIONS

Weather (circle one): Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one) °F / °C: 85

Wind (circle one): Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dune or Sand Sheet /

Playa / Ephemeral Wash / Desert Pavement

#### NOTIFICATION

Actions Taken (e.g., left in place, taken to rehab): REMOVED & Buried.



From: German, Charles  
Sent: Thursday, May 02, 2013 1:57 PM  
To: Magdalena Rodriguez; Tera\_Baird@fws.gov; Golden, Amy@Energy  
Cc: mmassar@blm.gov; Chuck.griffith@us.bureauveritas.com;  
Jennifer.Gavaldon@fpl.com; Ireland, Mike; Dayman, Shelly; German, Charles  
Subject: Genesis Eared Grebe Avian and Wildlife Reporting Form  
Attachments: 20130501\_Eared\_Grebe.pdf

Attached is an Avian and Wildlife Reporting form for a injured bird discovered while conducting a mortality survey, 5/1/2013, within the solar arrays. A disoriented Eared Grebe was found during the survey. The bird was collected and brought to the rehabilitation center in Blythe. There were no signs of singeing.

Eric German  
Designated Biologist  
Genesis Solar Energy Project  
805.895.9842

Avian and Wildlife Reporting Form

\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\*

INCIDENT DETAILS

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey / Incidental

Date: 5-1-2013 Observer: Andrew Fisher

Type of Incident (circle one): Injury / Fatality / Nest / Live bird

Condition (circle one): Intact Carcass / Dismembered Carcass / Feathers Only / Alive

Age of Remains (days) (circle one):

1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones) / NA

Photo No. NA

Carcass Condition Details, Behavior of Injured Animal or Nest Details:

Live bird found resting on ground.

LOCATION

DATUM: 11S

UTM N: 3726261 UTM E: 0656787

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line / Other (explain below)

Location Details: Bird found live between 2 solar trough rows (2 WF/E6 and 2 WF/E5) in Unit 2.

IDENTIFICATION

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): Eared Grebe

Color/Markings: Breeding Plumage

Sex (circle one): Male / Female / Unknown

Age (circle one): Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes / No

Identification Remarks: NONE

ENVIRONMENTAL CONDITION

Weather (circle one): Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one) °F / °C: 80°F

Wind (circle one): Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dunes /

Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

**NOTIFICATION**

Who was Notified, and When? DB - Erin German was  
immediately notified

Actions Taken (e.g., left in place, taken to rehab): Live bird was taken to Lissa the rehab  
Lady

**COMMENTS:**

No apparent injuries to bird. No apparent  
broken bones and bird was active and responsive

- \* Turn in completed form and incident photos to the on-site Environmental Manager.
- \* Report any incidental observations of dead birds or other wildlife at the evaporation ponds to the Designated Biologist within one day of the detection of the carcass.
- \* Report any nests immediately to the on-site Environmental Manager.

From: German, Charles  
Sent: Thursday, May 02, 2013 3:09 PM  
To: Tera\_Baird@fws.gov; Golden, Amy@Energy  
Cc: Guigliano, Jennifer; mmassar@blm.gov; Chuck.gri ffi n@us.bureauveri tas.com;  
Jennifer.Gaval don@fpl.com; Ireland, Mike; Dayman, Shelly; German, Charles  
Subject: Genesis Informational Wildlife Report Couch's Spadefoot Toad  
Attachments: 20130502\_Informational\_WildlifeForm\_CST.pdf

Attached is an Informational Wildlife Incident Form and photos for a desiccated Couch's Spadefoot discovered during monitoring activities, the cause of death does not appear project related. The location was in an ephemeral ponding area amongst creosote scrub north of the CRS access road. The area had previously been identified as potential Couch's Spadefoot Toad Habitat and an Environmentally Sensitive Area had been established.

Eric German  
Designated Biologist  
Genesis Solar Energy Project  
805.895.9842

INFORMATIONAL - Non Project Related  
Construction Wildlife Incident Form

\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\*

INCIDENT DETAILS

Date: 5/2/13 Observer: ERIC GERMAN

Type of Incident (circle one): Injury / Fatality / Nest FOUND CARCASS

Cause of Death: DESSICATION

Condition (circle one): Intact Carcass / Dismembered Carcass / Feathers Only

Photo No. \_\_\_\_\_

Carcass Condition Details, Behavior of Injured Animal, or Nest Details:  
CARCASS FOUND PREVIOUSLY DURING SURVEY/MONITORING AND REPORTED AS WESTERN TOAD (4/27/2013). REIDENTIFIED AS COUCH'S SPADEFOOT

LOCATION

DATUM: NAD 83

UTM E: 3718733 UTM N: 697677

Location Details (microhabitat, etc.):

SOIL CRACKING INDICATES PAST PONDING - WITHIN LOW AREA BETWEEN CREOSOTE BUSHES - NORTH SIDE OF CRS ACCESS ROAD - EPHEMERAL PONDING AREA

IDENTIFICATION

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): COUCH'S SPADEFOOT TOAD

Sex (circle one): Male / Female / Unknown

Age (circle one): Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes / No

Identification Remarks: APPEARS TO HAVE SPADEFOOT, SIZE. LOCATION - CREOSOTE BUSH DESCENT

ENVIRONMENTAL CONDITIONS

Weather (circle one): Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one) °F / °C: 75

Wind (circle one): Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / EPHEMERAL PONDING AREA / Sand Dune or Sand Sheet /

Playa / Ephemeral Wash / Desert Pavement

NOTIFICATION

Actions Taken (e.g., left in place, taken to rehab): PHOTOGRAPHY

Date & Time: Thu May 2 09:23:44 PDT 2013

Position: 11 N 697677 3718733

Altitude: 416ft

Azimuth/Bearing: 013° N13E 0231mils (True)

Elevation Angle: -66.7°

Horizon Angle: +05.0°

Zoom: 1X

desiccated toad



Date & Time: Thu May 2 09:23:58 PDT 2013

Position: 11 N 697677 3718733

Altitude: 411ft

Azimuth/Bearing: 009° N09E 0160mils (True)

Elevation Angle: -71.1°

Horizon Angle: +15.6°

Zoom: 1X

desiccated toad



From: German, Charles  
Sent: Wednesday, May 22, 2013 3:59 PM  
To: Magdalena Rodriguez; Tera\_Baird@fws.gov; Golden, Amy@Energy  
Cc: mmassar@blm.gov; Chuck.griffin@us.bureauveritas.com;  
Jennifer.Gavaldon@fpl.com; Ireland, Mike; Dayman, Shelly; German, Charles;  
Chuck.griffin@us.bureauveritas.com  
Subject: Genesis Western Grebe Avian and Wildlife Reporting Form  
Attachments: 20130522\_Western\_Grebe.pdf

Attached is an Avian and Wildlife Reporting form for a injured bird reported by contractor personnel. The bird was found within a Solar Array, 5/22/13. The bird was collected and brought to the rehabilitation center in Blythe.

Eric German  
Designated Biologist  
Genesis Solar Energy Project  
805-895-9842

## Avian and Wildlife Reporting Form

\*\*\* All Fields Must Be Filled Out. Do Not Leave Any Field Blank. \*\*\*

## INCIDENT DETAILS

Observation Made During (circle one):

Evaporation Pond Monitoring / Scheduled Mortality Survey / Incidental

Date: 5/22/2013 Observer: MIKE RATHBUN

Type of Incident (circle one): Injury / Fatality / Nest

Condition (circle one): Intact Carcass / Dismembered Carcass / Feathers Only

Age of Remains (days) (circle one):

1-5 (fluid filled eyes) / 6-30 (maggots) / 30+ (bones)

Photo No. NONE

Carcass Condition Details, Behavior of Injured Animal or Nest Details:

INJURED - D.L. not try to fly or run. When captured tried to bite & noisy call.

## LOCATION

DATUM: 11

UTM N: 114.9935 UTM E: 33.6573

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line / Other (explain below)

Location Details: UNIT 2, GRID 4, Between Rows 50 & 51

## IDENTIFICATION

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): WESTERN GREBE

Color/Markings: Black below red eyes, long sharp bill

Sex (circle one): Male / Female / Unknown

Age (circle one): Adult / Juvenile / Unknown

Is Animal Tagged? (circle one): Yes / No

Identification Remarks:

## ENVIRONMENTAL CONDITION

Weather (circle one): Clear / Fog / Cloudy / Rain

Approx. Temperature (circle one) °F / °C: 92

Wind (circle one): Calm / Gusty / Storm / Violent Storm

Habitat (circle all that apply):

SOLAR FIELD  
Bare Ground / Creosote Bush Scrub / Sand Dunes /  
Sand Drifts over Playa / Ephemeral Wash / Desert Pavement

**NOTIFICATION**

Who was Notified, and When? EMAIL NOTIFICATION 5/26

Actions Taken (e.g., left in place, taken to rehab): TAKEN TO BLYTHE REHAB

**COMMENTS:**

NO SIGNS OF SINGING - POSSIBLE BROKEN BONES -  
ABNORMAL POSITIONING

- \* Turn in completed form and incident photos to the on-site Environmental Manager.
- \* Report any incidental observations of dead birds or other wildlife at the evaporation ponds to the Designated Biologist within one day of the detection of the carcass.
- \* Report any nests immediately to the on-site Environmental Manager.

**Appendix C**

**Haz-6**

**Worker Environmental Awareness Program Training**

16

Genesis Site Safety Orientation

& LOTO

WEAP

Signature	Print Name	Company	
1	[Signature]	STEEL LOG	PETROCHEM INC
2	[Signature]	ALFONSO MORALES	PETROCHEM
3	[Signature]	WILBERT FIGUEROA	PETROCHEM
4	[Signature]	CONRAD LUNA	PETROCHEM
5	[Signature]	IVAN BEAUBERT	PETROCHEM
6	[Signature]	S. ST. BERNARDIS	PETROCHEM
7	[Signature]	[Signature]	PETROCHEM
8	[Signature]	[Signature]	PETROCHEM
9	MARCO ANTONIO	ALBERTO TORRES	PRIME
10	STUART JAMES	STUART	AMERICAS
11	AMBA BOGARD	[Signature]	PRIME
12	[Signature]	[Signature]	PRIME
13	[Signature]	[Signature]	PRIME
14	[Signature]	[Signature]	PRIME
15	[Signature]	[Signature]	PRIME
16	[Signature]	[Signature]	PRIME
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## PETROCHEM INSULATION TRAINING ROSTER / SAFETY

INSTRUCTOR: <b>JESSE FLORES</b>		DATE: <b>5-31-13</b>		
SUBJECT: <b>SITE SPECIFIC GENESIS</b>		LOCATION: <b>L.A.</b>		
START TIME: <b>8:00 AM</b>		SPECIAL VISUALS USED: <b>LOTO, HEAT STRESS, VIDEO ON SITE SPECIFIC, FITTEST</b>		
END TIME: <b>4:30 PM</b>				
SIGNATURE	NAME (PRINT PLEASE)	PHONE #	SOCIAL SECURITY NO.	YRS. EXP
1. [Signature]	Rail Valencia	(323) 360-42-61	9266	12
2. [Signature]	MANUEL MARRIA	(915) 856-7889	6210	8
3. [Signature]	Guillermo G. Varela	(915) 996-8243	8743	8
4. [Signature]	Luis J. Jaramila	(432) 295-2823	4061	4
5. [Signature]	MARIL TARTANO	310 879 7887	8792	24
6. [Signature]	José E. Gutierrez	451-295-1922	5961	6
7. [Signature]	JESUS E. GARCIA	915-727-7936	0750	8
8. [Signature]	Jose L. Varela	(951) 227-5407	8259	8
9. [Signature]	Brandon Gray	(623) 258-6323	1895	8
10. Marco Diaz	Marco Diaz	(760) 671-2323	7612	1
11. Gildardo Alarido	Gildardo Alarido	(951) 963-4008	7410	7
12. Cesar Torres	Cesar Torres	847-271-3535	0498	6
13. [Signature]	ANTONIO ALVARADO	323-316-3469	0134	0
14. [Signature]	EMEROTOPETE	602-292-3154	6838	6
15. [Signature]	FRREN VREAB	951-229-4637	7411	
16. Jose Contreras	Jose Contreras	630 669 3256	2218	5
17. [Signature]	Comandante Dominguez	635-34-5993	5993	18
18. Jose A. Rodriguez	Jose A. Rodriguez	915) 441-4884	4919	10
19. [Signature]	Felipe Amundariz	(915) 526-3591	1422	22
20. JORGE U. CORONA	JORGE U. CORONA	310-889-5701	0591	5
21. [Signature]	Jose Ochoa	559-972-2453	4600	5
22. Alfonso Torres	Alfonso Torres	310-365-6659	5539	10
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WHITE-SAFETY DEPARTMENT

YELLOW-INSTRUCTOR





Genesis Site Safety Orientation -May 2013

WEAP

35

Signature	Print Name	Company	Date
1	Eric D Ramirez	NEW TRON	5-1-2013
2	Eduardo Cantantes	Neutron	5-1-2013
3	Jose Francisco	Neutron	5-1-2013
4	FRANCISCO MEZA	Neutron	5-1-2013
5	RICHARD MUNOZ	ACCO	5-6-2013
6	Salvador Venancio	Neutron	5-13-2013
7	Colleen Schind	Neutron	5-13-2013
8	Rick Schind	Neutron	5-13-13
9	Oswaldo Quintanilla	Neutron	5-13-13
10	Oscar Ramirez	Neutron	5-13-13
11	Marcellous Barber Jr	Neutron	05/13/2013
12	Mark Leach	Neutron	5/13/13
13	Doyle Henderson	Neutron	5/13/13
14	Tim Lorenz	Neutron	5/13/13
15	Wade Newman	NEUTRON	5/13/13
16	Bryan Woodcock	NEUTRON	5-13-13
17	RIGEL CAMACHO	NEUTRON	5/13/13
18	THOMAS GONZALEZ	NEUTRON	5/13/13
19	Michael Arvahi	Neutron	5/13/13
20	John Wilson	NEUTRON	5/13/13
21	LUIS CLEMENTE OLIVERA	NEUTRON	5/13/13
22	William Middleton	Neutron	5/13/2013
23	Scott Harbeck	NEUTRON	5-13-13
24	LINDA MARTON	NEUTRON	5-13-13
25	MIKE VUKACIN	NEUTRON	5-13-13
26	Matthew Mentlo	Neutron	5-13-13
27	Ruben Jasso	Neutron	5-13-13
28	JEFF FITZGERALD	NEUTRON	5-13-13
29	Anthony Campos	ACCO	5/13/13
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Genesis Site Safety Orientation -May 2013

WEAP

Signature	Print Name	Company	Date
1	Stanley Larka	NT	5-15-13
2	Alexandro Vergara	NT	5-15-13
3	Clay Horst	NT	5-15-13
4	William Kabisauer	NT	5-15-13
5	Rubus Young	NT	5-15-13
6	Salvador Hernandez	NT	5-15-13
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Genesis Site Safety Orientation

Signature	Print Name	Company	
	PAT MCCREEDY	HYUNDAI LOGICAL	5/1/13
	LESLIE JENSEN	TRIMAC TRANSPORTATION	5/2/13
	Kevin Curran	Bartek	5-2-13
	Justin Wooley	Bartek	5/2/13
	Edward S. DILL	BAW Fluid Dynamics, Inc	5/2/13
	LAMENT GIBSON	H&M	5/6/13
	Ryan D. Rhodes	H&M	5/6/13
	Daniel Lopez	H&M	5/6/13
	Carlos Purten	H&M	05/06/13
	LAMENT SIMMONS	H&M	5/6/13
	MARK ROTHENBERG	SCE	5/6/13
	Steve Danstrom	H&M	5/6/13
	John Veatch	NEXTERA	5-6-13
	COREY P. HALL	T.E.F.	5-8-13
	Michael Fisher	TET	5-8-13
	Roland Decker	NEXTERA - FPL	5-8-13
	Scott Myles	Bureau Veritas	5-9-13
	PRIMO GOMEZ	SIEMENS	5/9/13
	Eric Carole	SIEMENS	5/9/13
	Jim Thomas	FLORISSANT	5/13/13
	Robert Thomas	FLORISSANT	5/13/13
	William Flippin	NEXTERA	5/14/13
	Sherman Barnett	NW X-TRA	5-14-13
	Cory Geiser	NEXTERA	5/15/13
	Ray Hildebrand	Black & Veatch	05-17-13
	Simon Wagner	Black & Veatch	05-17-13
	GLEN ANGLIN	BLACK & VEATCH	5-17-13
	RICK DIMOS	BLACK & VEATCH	5-17-13
	Chuck Schmitt	Black & Veatch	5-24-13
	TIM LINDEMANN	BLATTNER ENERGY	5-24-13
	Corey Johnson	A. Liquide	5-24-13
	RAIMO NEVEU	BUREAU VERITAS	5-28-13

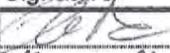
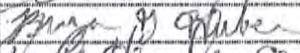
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### Genesis Site Safety Orientation

	Signature	Print Name	Company	
1		RAYMOND RUESGA	ECA	5-6-13
2		DAVID LAWRENCE	ECA	5-15-13
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# Genesis Site Safety Orientation /WEAP

MAY

	Signature	Print Name	Company
1		Charles Banks	ECA
2		BRYAN HUBER	ECA
3		Doyle HENDERSON	ECA
4		Joselito Quitlen	ECA
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Genesis Site Safety Orientation

WEAR

MAY

Signature	Print Name	Company
	Es Howell	Aurora Vertus
	Raul Benavides	EMERSON
	DAVID RODRIGUEZ	EMERSON
	Michael Beaman	ECA
	Jesse Salinas	ECA
	Pablo Gomez	ECA
	Nitesh Satardekar	Aquacore
	Hunter Watkins	ECA
	LEONARD BROWN	AELOM
	Billy Martin	BWFD
	Olivia Lopez	NEXTERA / BANTECH
	Bruce Anderson	Siemens
	BRIAN CHRIST	COSMA POWER SYSTEMS
	Aaron D. Hall	Cosmos Power Systems
	JASON DOHRMAN	COSMA
	ORLANDO CORRAL	COSMA
	ESAU MARRUGO	cosma
	Jon Dardis	Rite Fluid Dynamics
	Cedric Perry	BLM-CPOD
	Douglas Case	ECA
	Frederick Henderson	ECA
	Guillermo Guillen	FLUOR
	William D. Beckman	FLUOR
	SONIA COOLEY	RIV. CO. FIRE
	Geoff Lesh	CEC
	Alvin Greenberg	CEC
	Walter Brando	Riv. Co. Fire
	Robert Emu	BWFD
	Kevin Haase	RWFD
	TERRELL CINKOTA	NEXTERA
	Fred Provance	NEXTERA
	Roy Robbins	Nextera

## **Appendix D**

### **Civil-1**

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

Genesis BVnet Status Matrix May 2013

Project	Submittal Title	Lead Plan Reviewer	CBO Approved Date
Genesis Solar Energy Project	MECH-1-131.0 - Pipe Stress Calc 1BS-0104-PC3	Trimberger, Tom	5/1/2013
Genesis Solar Energy Project	TSE-6-607 - 33kV Temporary Distribution Line - PC2	Son, Cristian	5/1/2013
Genesis Solar Energy Project	STRUC-1-011.00-X1 - Construction Trailer Complex Plan - PC2	Long, Keith	5/3/2013
Ivanpah Solar Electric Facility	MECH-1-1.06X4-HRH Isometrics-PC1	Trimberger, Tom	5/3/2013
Ivanpah Solar Electric Facility	MECH-1-1.27X3 - HRH Unit 2 Isometrics - PC1	Trimberger, Tom	5/6/2013
Ivanpah Solar Electric Facility	MECH-1-1.33X3 - HRH Isometrics - PC1	Trimberger, Tom	5/6/2013
Ivanpah Solar Electric Facility	ELEC-1-12.29 - Appl Alt. Materials/Methods of Construc for CPDU - PC1	Son, Cristian	5/7/2013
Genesis Solar Energy Project	MECH-1-152.0 - Piping Stress Calc 1HR-1134A - PC2	Trimberger, Tom	5/8/2013
Ivanpah Solar Electric Facility	ELEC-1-10.08X3 - Electrical Manholes - PC1	Son, Cristian	5/9/2013
Ivanpah Solar Electric Facility	ELEC-1-10.15X2 - Unit 1 Power Block Electrical Manholes - PC1	Son, Cristian	5/9/2013

Genesis BVnet Status Matrix May 2013

Project	Submittal Title	Lead Plan Reviewer	CBO Approved Date
Ivanpah Solar Electric Facility	ELEC-1-10.18X2 - Electrical Manholes Powerblock Area - PC1	Son, Cristian	5/9/2013
Ivanpah Solar Electric Facility	ELEC-1-10.22X3 - Power Block Manhole Layout - PC1	Son, Cristian	5/9/2013
Ivanpah Solar Electric Facility	ELEC-1-10.36X1 - Unit 2 Electrical Manholes - PC1	Son, Cristian	5/9/2013
Ivanpah Solar Electric Facility	ELEC-1-10.51 - Raceway Plans Aboveground Conduit PSB Cable Pit - PC1	Son, Cristian	5/9/2013
Ivanpah Solar Electric Facility	ELEC-1-10.37X1 - Unit 3 Power Block Manhole Layout - PC1	Son, Cristian	5/15/2013
Ivanpah Solar Electric Facility	ELEC-1-21.01X1 - Ivanpah Tower Elevator Electrical Documents - PC1	Son, Cristian	5/15/2013
Ivanpah Solar Electric Facility	ELEC-1-3.09X2 - Area Grounding Plans for Plant Services Building Area - PC1	Son, Cristian	5/15/2013
Ivanpah Solar Electric Facility	ELEC-1-3.19X1 - Unit 2 Plant Services Building Area Grounding - PC1	Son, Cristian	5/15/2013
Ivanpah Solar Electric Facility	ELEC-1-3.26X1 - Unit 3 Grounding Plan Plant Service Electrical Building Plant at El 3188-0 - PC1	Son, Cristian	5/15/2013
Ivanpah Solar Electric Facility	ELEC-1-6.13X1 - Unit Emergency Diesel Generator Calculation - PC1	Son, Cristian	5/15/2013

Genesis BVnet Status Matrix May 2013

Project	Submittal Title	Lead Plan Reviewer	CBO Approved Date
Ivanpah Solar Electric Facility	ELEC-1-27.07 - Unit 1, 2, 3 Aboveground Conduit Plans SRSG Tower - PC1	Son, Cristian	5/16/2013
Ivanpah Solar Electric Facility	ELEC-1-27.08 - Aboveground Conduit Plans Admin Building - PC1	Son, Cristian	5/16/2013
Ivanpah Solar Electric Facility	STRUC-1-4.25X2 - Crane Support Pads - PC1	Ho, Alan	5/16/2013
Ivanpah Solar Electric Facility	STRUC-1-4.35X1 - EDT/IDT Pit - PC1	Rodriguez, Eric	5/16/2013
Ivanpah Solar Electric Facility	STRUC-1-4.55X3 - MCC Transformer Foundations - PC1	Ho, Alan	5/17/2013
Genesis Solar Energy Project	MECH-1-154.0 - Piping Stress Calc 1HR-1134B - PC2	Trimberger, Tom	5/20/2013
Genesis Solar Energy Project	STRUC-1-706.1X1 - Various Equipment Anchorage & Canopy - PC1	Ho, Alan	5/20/2013
Genesis Solar Energy Project	STRUC-1-706.4X1 - Canopy Over Inst. Air Skid, Met. St. Fnd. & Pipe Supports - PC1	Ho, Alan	5/20/2013
Genesis Solar Energy Project	MECH-1-117.0 - ISOs for HTF - PC3	Trimberger, Tom	5/21/2013
Genesis Solar Energy Project	TSE-6-607.2 - 33kV Temporary Distribution Line - PC1	Son, Cristian	5/22/2013

Genesis BVnet Status Matrix May 2013

Project	Submittal Title	Lead Plan Reviewer	CBO Approved Date
Ivanpah Solar Electric Facility	STRUC-1-4.38X2 - Auxiliary Boiler Foundation - PC1	Ho, Alan	5/28/2013
Ivanpah Solar Electric Facility	STRUC-1-10.64 - Unit 2/3 SRSG Area UPS Elec Equip Module EEM - PC2	Rodriguez, Eric	5/31/2013

**Appendix E**

**Cultural Monitor Reports**

**Cul-8 and Cul-13**

**Construction Monitoring Plan and Flag and Avoid**

**PAL-5**

**PRS Monitoring and Stop Work Authority**

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

MCR for Cultural Resources

**CUL-7: Worker Environmental Awareness Program (WEAP)**

Requirement: Submit past 30 days of training records

**Workers Environmental Awareness Program**

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

**CUL-8: Construction Monitoring Program**

Requirement: Submit report of any noncompliance.

There were no compliance issues this month.

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

All ground disturbing activities were observed by CEC - approved Cultural Resources Monitors (CRMs) and Native American Monitors. Table 1 lists the number of CRMs onsite during the month of May.

Table 1. CRMs and NAM onsite during May (by day)

<b>May 2013</b>		
<b>Date</b>	<b>Number of Cultural Resource Monitors</b>	<b>Number of Native American Monitors</b>
5/1/2013	3	2
5/2/2013	3	2
5/3/2013	2	2
5/4/2013	1	1
5/6/2013	2	2
5/7/2013	2	2
5/8/2013	2	2
5/9/2013	2	2
5/10/2013	2	2
5/13/2013	1	1
5/14/2013	1	1
5/15/2013	1	1
5/16/2013	1	1
5/17/2013	1	1

5/20/2013	2	2
5/21/2013	2	2
5/22/2013	2	2
5/23/2013	1	1
5/24/2013	1	1
5/28/2013	2	1
5/29/2013	2	1
5/30/2013	2	1
5/31/2013	2	1

**Number of Isolate Forms submitted- 14**

**Number of Site Update Forms submitted- 0**

**Number of Monitoring Logs submitted - 40**

Construction activities were monitored along parts of the main access road, the Southern California Edison (SCE) transmission line, in portions of Unit 1, and in Unit 2. Construction activities monitored included line pulling, grading, backfilling, drilling, and various trenching activities on site. A total of fourteen artifacts were found in all construction areas during the month of May. All fourteen artifacts were recorded as new isolated finds. The location of cultural resources, including sites and isolates, is being submitted under confidential cover.

**CUL-13: Flag and Avoid**

Requirement: Submit compliance documentation regarding flagging inspections.

All flagged areas are inspected weekly.



ENVIRONMENTAL CONSULTANTS

Sound Science. Creative Solutions.

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Pasadena, CA 91105  
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www.swca.com

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

May 31, 2013

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

Dear Mr. Veerkamp,

This letter is to update you on SWCA Environmental Consultants paleontological mitigation monitoring activities at the GSEP site during the period from May 1 to May 31, 2013. One SWCA Paleontological Resources Monitor (PRM) was onsite part-time during all grading and excavation activities exceeding 1.5 feet in depth along the Transmission Line at structures F and 56. All paleontological monitoring occurred in Quaternary alluvium.

During the course of monitoring in May, two fossil localities were observed and recorded. The fossil localities contained fossils identified as wood and a lagomorph (rabbit) calcaneum. Further details regarding these localities have been filed with the California Energy Commission (CEC) under confidential cover. No issues or concerns regarding paleontological resources were identified during the month of May. It is a pleasure working with you on this project. If you have any questions please do not hesitate to contact me.

Respectfully,

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

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

**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:

285,020	Man hours logged this month
1,071,368	Man hours logged during 2013
2,409,738	Job total man-hours

Project total RIR	0.91
2013 RIR	0.75
Project LTIR	0.00

There were no recordable injuries reported in the Month of May 2013.

First Aid incidents reported during May 2013

May 15<sup>th</sup>, BPC reported a 1st Aid on May 15th. The employee turned abruptly and cut his elbow on one of the SCE arms. Cut was bandaged and employee returned to work.

May 17<sup>th</sup>, PMI reported 1<sup>st</sup> aid from an employee placing 4X4 cribbing under a pipe being lowered from a forklift. A sudden shift of the pipe on the forks caused the crib material to pop up and strike the employee causing a cut just above his eye. The cut was cleaned and bandaged. The employee returned to duty. The crew revisited material handling process to include proper rigging for lifting.

May 23<sup>rd</sup>, BPC reported an employee with irritation on his finger noticed when he donned his right glove at the beginning of the shift. The employee worked all day without incident. After return to his home in Mexico he reported to have been bitten by a spider and needed medical attention. It is believed the incident took place off site before the employee reported for work.

May 22<sup>nd</sup>, SPX reported an individual experiencing leg cramps and light head presumably associated with heat stress. The employee was taken to a cool area and allowed to rest. The employee returned to work.

May 24<sup>th</sup>, PMI had an employee strike his left thumb with a hammer as he was working with anchors bolts, resulting in a first aid. The employee returned to work. Hand safety audit were re-enforce to increase hand injury awareness.

May 24<sup>th</sup>, Newtron reported a first aid when an employee pulling cable stubbed his finger into a bolt causing pain. Onsite administered 1st aid and the employee was taken to the doctor for x-rays as a precaution. The employee returned to work. Newtron will pad cases in situations where pulling is difficult. Hand safety audit were re-enforce to increase hand injury awareness.

May 29<sup>th</sup>, Petrochem reported an employee working in the vicinity of ant felt a sting on his leg that cause a swelling. Onsite was consulted and antibiotic salve was applied to the site. The Employee returned to work. This was reported as 1st aid.

May 30<sup>th</sup>, PMI reported 1st aid when an iron worker felt light headed and went to the cool room to rest. After a short period the employee returned to work without further incident.

May 30<sup>th</sup>, PMI reported 1st aid from a worker laying on his back and slag causing a slight burn on his neck. The burn was treated with antibiotic cream and the welder returned to work.

May 30<sup>th</sup>, F.E. Moran reported a possible insect bite that an electrical subcontract employee noticed on his leg after eating lunch. The employee returned to work but will be monitored.

May 30<sup>th</sup>, ARB reported a worker inside the assembly building with a possible insect bite. The employee was examined and not treated. The employee returned to work without further incident.

May 30<sup>th</sup>, Petrochem reported an employee working in the vicinity of ants felt a sting on his leg that caused swelling. Onsite was consulted and antibiotic salve was applied to the site. The Employee returned to work. This was reported as 1st aid.

Preparations were made early in May in expectation of HTF deliveries.

HTF Emergency Spill Response table top exercise and HTF field exercise were completed and an HTF tanker truck "dry run" with recommendations was documented.

The first HTF tanker truck arrived May 13<sup>th</sup> and deliveries continue without incident.

Blattner held 30 hr. OSHA Training for CMT employees.

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

Contractor Safety Audits were completed and actioned.

Genesis Safety Committee continued regular weekly meetings.

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

3<sup>rd</sup> party audits continued from Bureau Vertis weekly.

The total Safety Orientations/WEAP training for the month 168.



Make the RIGHT Choice

May 6, 2013

### Hot Work

“Hot Work” is defined as any temporary operation involving open flames or producing heat and/or sparks. This includes, but is not limited to: brazing, cutting, grinding, soldering and welding. These procedures cover temporary hot work operations that take place on our project.

#### REQUIRED PRECAUTIONS PRIOR TO HOT WORK

- Obtain a hot work permit from your supervisor or safety representative.
- Ensure, if applicable, combustibles are moved to a distance of 35' or more.
- An inspected and ready for use fire extinguisher of the correct size and type must be readily available.
- Hot work equipment must be inspected and in good working order.
- The location is provided with sufficient ventilation.
- A fire watch is posted when required.

#### IF THERE ARE NO COMBUSTIBLES WITHIN A 35 FT RADIUS OF WORK:

- Do NOT allow any combustible materials to be brought into the 35 foot radius.
- Ensure no exposed combustible materials on opposite sides of walls, ceilings or floors.
- Use fire blankets, when necessary, to contain sparks.

#### IF THERE ARE COMBUSTIBLES WITHIN A 35 FT RADIUS OF WORK AND THEY CAN NOT BE REMOVED:

- Combustible floors wet down or covered with fire-resistive sheets.
- All wall and floor openings covered with fire blankets.
- A fire watch must be provided for at least 20 minutes after hot work is completed.
- The fire watch must be supplied with suitable extinguisher and is trained in its use.

#### WORK ON ENCLOSED EQUIPMENT

- Containers must be purged of flammable liquids/vapors, eliminate explosive atmosphere (verify with confined space air quality meter).
- Enclosed equipment cleaned of all combustibles.
- Pressurized vessels, piping and equipment removed from service, isolated and ventilated.

#### AFTER COMPLETION OF HOT WORK

- Return the completed Hot Work Permit to your appropriate company representative.

ALL UNINTENTIONAL FIRES, EVEN IF EXTINGUISHED, MUST BE IMMEDIATELY REPORTED



May 13, 2013

## Permit to Dig

Due to the phase of the project it was determined necessary to develop and implement an “Underground Penetration Submittal.” The purpose of this permit is to serve as an onsite dig alert. By completing the “Underground Penetration Submittal” it will allow projects to clearly identify and mark underground utilities prior to the start of any excavation. All contractors engaged in earth moving activities must submit the accompanying form to start up for approval prior to starting any excavation. The state of California defines “excavation” as follows: any operation using non-mechanized or mechanized equipment, demolition or explosives in the movement of earth, rock or other material below existing grade.

The permit to dig form will be utilized in all areas of unit 2 as well as the common area due to the fact that underground lines are now energized in certain areas, underground pipe is pressurized at various locations and a natural gas pipe will become live relatively soon. Although this onsite dig alert is not currently effective in unit 1 if there are any questions or uncertainties get clarification prior to engaging in work. The plan will be mandated in unit 1 when required.

1. This is a site requirement.
2. The “Underground Penetration Form” must be submitted 48 hours prior to starting an excavation.
3. Don’t rely on old marks or faulty information as a substitution for submitting the required form.
4. Mark out the area that you plan to excavate, distinguish this on a map and submit with the form.
5. In an emergency, notify the appropriate personnel and call 911.

An emergency is a sudden or unexpected occurrence which poses a threat to public safety, life, health, property or essential utility service.

1. You are responsible for maintaining the marks placed by projects at your excavation site.
2. Before you begin your excavation, walk through the site to familiarize yourself with the markings and the locations of buried utilities.
3. Pay special attention to any changes in direction that the underground facilities take.
4. If your excavation causes the removal or disturbance of the markings, establish offset marks in order to maintain a reference point for those underground facilities.
5. Make sure that everyone involved in your excavation is aware of any offsets that have been established, any marks that have been compromised, or any other information regarding facility locations.
6. Don’t put spoil piles over markings. Avoid driving machinery over stakes and flags.
7. If marks have faded or been compromised to the point where proper and safe excavation is no longer possible, request a re-mark.
8. Once the project is complete, it is recommended that you remove any marks as best you can. This will reduce the likelihood that future excavators will mistake them for marks provided in response to their own excavation notice, or assume that they do not need to provide notice of intent to excavate.

Management is responsible for the enforcement of this policy. As always it is required that you follow all federal, state and local regulations that apply.



## Underground Penetration Submittal

**Effective Date:** \_\_\_\_\_

Submitting Company: \_\_\_\_\_

Telephone: \_\_\_\_\_

Address: \_\_\_\_\_

Email: \_\_\_\_\_

Contact (Name/Title): \_\_\_\_\_

Type of Work:     
 



 Digging     
 



 Trenching     
 



 Directional Boring  

 Excavating     
 



 Grading     
 



 Other: \_\_\_\_\_

Location of Work: \_\_\_\_\_

The Submitting Company for this Document assumes responsibility for proper barricading, lighting, and utilizing safety precautions. It also acknowledges understanding the "Dig Procedures" process. The Submitting Company shall visually locate all utility lines if ground penetration is to take place within six feet of a marked utility line. If the Submitting Company is going to engage in directional boring, it shall visually locate all utility lines unless the drill path reaches and maintains a depth of ten feet more than six feet away from any marked utility. The applicant also assumes financial responsibility for the repair of or any damage caused by it or any designee to utility lines or other facilities regardless of whether a clearance review, as indicated, is required for the Dig Procedures process or how precisely any underground line was located in the field. The Submitting Company further acknowledges that it is its responsibility to fully restore all landscape features to original conditions. The Submitting Company also assumes financial responsibility for the repair of or any damage caused by the Submitting Company or any designee to utility lines or other facilities if the steps stated in the Dig Procedures process are not followed.

Signature of Applicant: \_\_\_\_\_

Effective Dates:  
From Date of Final Approval To: \_\_\_\_\_

Site Inspection Date: \_\_\_\_\_

Clearance Review	Required	Approval (initials)		Comments
Electrical Distribution				
Street & Area Lighting				
Steam/Cond. & HHW Piping				
Water & Air Lines				
Potable Water Piping				
Sanitary Sewer Piping				
Storm Drain Piping				
Telephone/Cable				
Petroleum Piping				
Gas Distribution				
Fiber Optics/Meta-systems				
Other:				

The review by the undersigned of the above document is not conducted for the purpose of determining the accuracy and the completeness of the submitted information, all of which remains the responsibility of the Submitting Company. Instead the review is conducted only to ensure the Submitting Company has followed the Dig Procedures process.

_____	_____	_____
	Title	Date
_____	_____	_____
	Title	Date
_____	_____	_____
	Title	Date
_____	_____	_____
	Title	Date



Make the RIGHT Choice

May 20, 2013

## Recognizing Unsafe Conditions

Recognizing unsafe conditions or hazards in the workplace is not just a safety managers' responsibility. It is everyone's responsibility to identify hazards and make suggestions on how to fix the problem; from the most junior employee to the company president.

### ***Causes of unsafe conditions or actions:***

#### Poor housekeeping

- Practice good housekeeping not just at ground level but also at heights.

#### Confused material storage

- Keep materials neat and orderly. This will eliminate handling material multiple times, increasing the likelihood of an incident.

#### Careless handling of materials

- Never take shortcuts while handling materials.
- Always practice proper rigging techniques.
- During material transportation use cribbing and binders rated for the intended load.
- Be conscientious of your body position during offloading and erection, remember to stay out of the line of fire.

#### Improper or defective tools

- Only use tools in a manner recommended by the manufacturer.
- Always do a pre-use inspection prior to using any tools.
- Defective tools should be tagged out of service.

#### Failure to install warning systems

- Maintain barricades per site barricading procedures.
- When installing guardrails to function as fall protection ensure that they are in compliance with CalOSHA regulations.

#### Lack of or failure to wear proper personal protection equipment

- Hard hat, safety glasses and a high visibility vest are required at all times while onsite.
- Wear other PPE as required by the task or conditions present.
- Always wear the correct type of glove when you are at risk of a hand injury.

#### Weather

- Expect temperatures above 100 degrees from now through September.
- Determine and observe both company and manufacturers' requirements while working with equipment in windy conditions.

#### Worker not dressing for the job to be done

- Wear long sleeves and FR clothing as required.

#### Failure to follow instructions

- If there is any uncertainty or questions that may arise while completing a task ask a peer or supervisor for insight.

#### *Steps to take once an unsafe condition is found:*

- If possible, correct the condition yourself immediately.
- Report any major unsafe condition or action to the appropriate company authority.
- Follow-up – report the condition again if it is not corrected

There are three steps to follow in recognizing unsafe conditions. Look for trouble (the unsafe condition), report it and act to prevent it from happening again.

**Site Speed Limits as Posted. Dawn has been defined as 5:45 am and Dusk has been defined as 7:30 pm. Remember to drive 10 mph or slower when employees are working within close proximity of the roads. Passing onsite or on the site access road is prohibited.**



May 27, 2013

## Electrical Hazards

Electricity has long been recognized as a serious workplace hazard, exposing employees to electric shock, electrocution, burns, fires and explosions. In 2011, for example, 259 workers died from electrocutions at work, accounting for almost 6 percent of all on-the-job fatalities that year, according to the Bureau of Labor Statistics. What makes these statistics more tragic is that most of these fatalities could have been easily avoided.

### *Methods of Receiving an Electric Shock*

- From a defective power tool
- From defective extension cords
- From overloading a switch or over riding a bypass
- By not grounding electrical equipment
- By coming in contact with live electric lines
- By coming too close to high power lines with the power arcing over and making contact

### *Ways to Avoid Electric Hazards*

- Always inspect tools and equipment prior to use
- Verify that the monthly inspection has been done on all electrical equipment  
June's colors are Green and Blue  
If the inspection hasn't been done ensure it is conducted by a competent person prior to use
- Never use a power tool that has had the ground plug removed  
If tools or equipment are damaged, tag them out of service
- Follow your company's electrical protection program
- Run extension cords overhead or provide protection for them on the ground; this will eliminate unnecessary wear
- Protect cords in areas where hot work is taking place
- Consider all power lines "live" and avoid contact with them  
All cranes and equipment must stay clear at least 10 feet of energized lines 50kv and under  
Overhead energized lines onsite - 12kv to trailer city and 33kv to PDC in Power Block 2  
Underground energized lines - 12kv in between main transformer and switchyard in Power Block 2
- Disconnect and store all electrical tools and cords in their proper location when not in use
- All temporary lighting must have bulbs in each socket and be equipped with bulb covers
- Make sure all power supplies, circuit boxes and breaker boxes are properly marked to indicate their purpose
- Ground Fault Circuit Interrupters must be used on all temporary power supplies

Be sure to recognize electrical hazards in your work area and thoroughly address them on your JSA.

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



Unit 2 COD: November 1<sup>st</sup>, 2013  
 Unit 1 COD: April 1<sup>st</sup>, 2014

**May 1, 2013**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues to report.

**Equipment/Material Deliveries:**

- ♦ 5,600 Arizona mirrors were received today. 73,300 Arizona mirrors remain to be delivered to site.
- ♦ 2,800 Germany mirrors were received today. 9,900 Germany mirrors remain to be delivered to site.

**General Services (K010):**

- ♦ Unit 2- Pouring pipe supports.
- ♦ Common Area- Installing concrete pipe supports.

**Solar Field Underground Electrical (K014):**

- ♦ Installing and repairing ground grid in Power Block 1.

**Power Block Foundations (K015):**

- ♦ Unit 2 – Working on ladder and stair supports.
- ♦ Unit 1 – Working on Condensate pump foundation and poured the HTF Overflow Slab. Excavating for the HTF Separator containment.
- ♦ Common Area – Installing rebar and forming for the Bioremediation slab.
- ♦ Solar Field – Poured electrical supports for Unit 2 South Header.

**230 Kv Line and Switchyard (K016):**

- ♦ Transmission Line crew pulling conductor.
- ♦ Unit 2- Testing 33 Kv Transformer.
- ♦ Unit 1- Testing GSU.

**Solar Field Header/Common Area Piping (K021):**

- ♦ Unit 2- Welding out and installing interconnecting pipe in Block 10 and on North/South Header. Filling Header Pipe North of Power Block Tee for Hydro.
- ♦ Unit 1- Fit and install pipe in Block 2.
- ♦ Common Area- Installing pipe and supports. Grouting and aligning pumps. Working punch list of Raw and Fire Water Systems.

**Site Safety Topic Of The Week:**  
*"Employee Training"*

Weather		
Sunny	Temp- High 95	Winds-North at 19 mph



**Power Block 1- Setting Antifreeze Pumps**



**Power Block 1- Pouring last containment slab under the HTF Overflow Vessels**

**Power Block Piping and Mechanical(K022):**

- ♦ Unit 2- Working Boiler Feed Water Pipe. Continue with punch list items on various systems for turnover. Installing STG enclosure panels. Hydro testing HTF lines.
- ♦ Unit 1- Working Steam Drum platform and Pipe Rack 23. Detailing Gland Steam steel. Aligning High and Low Pressure Turbines. Setting Antifreeze Pumps. Installing Pipe at the Boiler Feed Water and Pipe Rack 25.

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 2- Pulling cable on North/South Tray. Working Substations and terminating in Rings 8 and 9.
- ♦ Unit 1- Installing LOC's and whips in Block 5 and 1. Installing North/South cable tray.

**Power Block Above Ground Electrical(K030):**

- ♦ Unit 2- Installing conduit, supports, panel boards, cable tray, instrument stands, lighting and conductor in all areas. Working air header and pulling cable. Night shift work continues.
- ♦ Unit 1-Installing tray supports at PDC 1A.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 2- Installing conduit on Pipe Rack 25. Installing Ullage sprinkler lines.
- ♦ Common Area- Installing conduit.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 2- Insulating Block 3 Header Pipe and Crossovers. Insulating Block 2 Crossovers.
- ♦ Power Block- Insulating Overflow Vessel B.

**Air Cooled Condenser (K057):**

- ♦ Unit 1- Setting A frames on Street 2. Bolt up and impact Streets 1 and 2. Working fan deck and Air Seals on Street 2. Set the Deaerator Tank. Working West wind wall framing.
- ♦ Unit 2- Punch list.

**Common Area Electrical and Instrumentation (K073):**

- ♦ Installing cable tray, terminating fiber, pulling cable, grounding equipment and terminating cable.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Unit 1- Installing SCE's in Block 3. Erecting pylons in Block 4. Leveling SCA's in Block 1. Aligning pylons in Block 2.

**HCE Tube Installation (K102):**

- ♦ Unit 2- Installing HCE tubes in Block 8. Installing crossovers in Block 8. Welding in Blocks 9 and 10. Grouting Pipe Supports in Block 2.
- ♦ Unit 1- Fabricating interconnecting pipe.

<b>Personnel Onsite</b>	<b>Total</b>
Genesis Management	43
Genesis Operations	37
Compliance Monitors	8
Guardsmark (K005)	5
PSI (K007)	6
Sukut (K010)	17
Newtron (K014)	8
Largo (K015)	30
EPC (K016)	29
BPC (K021)	101
PMI (K022)	267
Newtron (K029)	22
Newtron (K030)	107
Fe Moran (K032)	18
Petrochem (K036)	92
SPX (K057)	101
Newtron (K073)	17
BPC (K100)	83
BPC (K102)	86
Siemens	1
<b>Total Personnel Onsite</b>	<b>1,078</b>



Genesis Solar Energy Project

Unit 2 COD: November 1<sup>st</sup>, 2013  
 Unit 1 COD: April 1<sup>st</sup>, 2014

**May 2, 2013**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues to report.

**Equipment/Material Deliveries:**

- ♦ 5,600 Arizona mirrors were received today. 67,700 Arizona mirrors remain to be delivered to site.
- ♦ 700 Germany mirrors were received today. 9,200 Germany mirrors remain to be delivered to site.
- ♦ Unit 1 Evaporator 1200

**General Services (K010):**

- ♦ Solar Field – Forming electrical supports.
- ♦ Common Area- Forming concrete pipe supports.

**Solar Field Underground Electrical (K014):**

- ♦ Installing and repairing ground grid in Power Block 1.

**Power Block Foundations (K015):**

- ♦ Unit 2 – Working on ladder and stair supports.
- ♦ Unit 1 – Working on Condensate pump foundation and HTF Separator containment. Excavating for PDC stair pads and platform supports.
- ♦ Common Area – Poured the Bioremediation slab and will work on the walls next week.
- ♦ Solar Field – Stripping Electrical supports for Unit 2 South Header.

**230 Kv Line and Switchyard (K016):**

- ♦ Transmission Line crew cleaning up.
- ♦ Unit 1- Testing GSU.

**Solar Field Header/Common Area Piping (K021):**

- ♦ Unit 2- Welding out and installing interconnecting pipe in Block 10 and on North/South Header. Hydro tested Header Pipe North of Power Block Tee.
- ♦ Unit 1- Fit and install pipe in Block 2.
- ♦ Common Area- Installing pipe and supports. Grouting and aligning pumps. Working punch list of Raw and Fire Water Systems.

**Site Safety Topic Of The Week:**  
*“Employee Training”*

Weather		
Sunny	Temp- High 92	Winds-North at 22 mph



**Bioremediation Slab**



**Common Area**

**Power Block Piping and Mechanical(K022):**

- ♦ Unit 2- Working Boiler Feed Water and Ullage Pipe. Continue with punch list items on various systems for turnover. Installing STG enclosure panels. Hydro testing HTF lines.
- ♦ Unit 1- Working Steam Drum platform and Pipe Rack 23. Detailing Gland Steam steel. Aligning High and Low Pressure Turbines. Installing Pipe at the Boiler Feed Water and Pipe Rack 25. Offload and set Evaporator 1200.

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 2- Pulling cable on North/South Tray. Working Substations and terminating in Rings 8 and 9.
- ♦ Unit 1- Installing LOC's and whips in Block 5 and 1. Installing North/South cable tray.

**Power Block Above Ground Electrical(K030):**

- ♦ Unit 2- Installing conduit, supports, panel boards, cable tray, instrument stands, lighting and conductor in all areas. Working air header and pulling cable. Night shift work continues.
- ♦ Unit 1-Installing tray supports at PDC 1A.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 2- Installing conduit on Pipe Rack 25. Installing Ullage sprinkler lines.
- ♦ Common Area- Installing conduit.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 2- Insulating Block 3 Header Pipe and Crossovers.
- ♦ Power Block- Completed insulating Overflow Vessel B.

**Air Cooled Condenser (K057):**

- ♦ Unit 1- Bolt up and impact Streets 1 and 2. Working fan deck and Air Seals on Street 2. Working West wind wall framing. Setting Tube Bundles on Street 1. Weld Steam Duct and Collection Condensate Manifolds on Street 2. Installing piping around Deaerator tank.
- ♦ Unit 2- Punch list.

**Common Area Electrical and Instrumentation (K073):**

- ♦ Installing cable tray, terminating fiber, pulling cable, installing conduit and terminating cable.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Unit 1- Installing SCE's in Block 3. Erecting pylons in Block 4.

**HCE Tube Installation (K102):**

- ♦ Unit 2- Fabrication triple joints.
- ♦ Unit 1- Fabricating interconnecting pipe.

<b>Personnel Onsite</b>	<b>Total</b>
Genesis Management	43
Genesis Operations	37
Compliance Monitors	8
Guardsmark (K005)	5
PSI (K007)	6
Sukut (K010)	17
Newtron (K014)	8
Largo (K015)	30
EPC (K016)	29
BPC (K021)	101
PMI (K022)	267
Newtron (K029)	22
Newtron (K030)	107
Fe Moran (K032)	18
Petrochem (K036)	92
SPX (K057)	101
Newtron (K073)	17
BPC (K100)	83
BPC (K102)	86
Siemens	1
<b>Total Personnel Onsite</b>	<b>1,078</b>



Genesis Solar Energy Project

Unit 2 COD: November 1<sup>st</sup>, 2013  
 Unit 1 COD: April 1<sup>st</sup>, 2014

**May 3, 2013**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues to report.

**Equipment/Material Deliveries:**

- ♦ 5,600 Arizona mirrors were received today. 62,100 Arizona mirrors remain to be delivered to site.
- ♦ 2,800 Germany mirrors were received today. 6,400 Germany mirrors remain to be delivered to site.

**General Services (K010):**

- ♦ Solar Field – Forming electrical supports.
- ♦ Common Area- Forming concrete pipe supports.

**Power Block Foundations (K015):**

- ♦ No Activity.

**230 Kv Line and Switchyard (K016):**

- ♦ Completed sagging and clip in for Transmission conductor towards Colorado River Substation.
- ♦ Continue installation 33kv secondary side jumpers. Ongoing with neutral grounding resistor for WYE side of transformer. Will complete 12kv outage Saturday.

**Solar Field Header/Common Area Piping (K021):**

- ♦ Unit 2- Welding out and installing interconnecting pipe in Block 10 and on North/South Header. Draining lines North of Power Block.
- ♦ Unit 1- Fit and install pipe in Block 2.
- ♦ Common Area- Working punch list on all systems.

**Power Block Piping and Mechanical(K022):**

- ♦ Unit 2- Working Boiler Feed Water and Ullage Pipe. Continue with punch list items on various systems for turnover. Installing STG enclosure panels. Draining HTF lines.
- ♦ Unit 1- Working Steam Drum platform and Pipe Rack 23 East steel. Detailing Gland Steam steel. Aligning pumps and Turbines. Installing Pipe at the Boiler Feed Water, Pipe Rack 25 and Pipe Rack 23.

**Site Safety Topic Of The Week:**  
*"Employee Training"*

Weather		
Sunny	Temp- High 93	Winds-Northeast at 2 mph



Solar Field 2



Power Block 2 Steam Turbine Generator

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 2- Completed terminations in Substation 2A. Completed setting gear and raceway install in Substation 2C. Tailing in conductors in Ring 9. Terminating in Ring 8. Working North/South cable tray. Installed and terminated north patch panels
- ♦ Unit 1- Installing LOC's in Ring 5 and 1.

**Power Block Above Ground Electrical(K030):**

- ♦ Unit 2- Pulling feeder cable from PDC-2C to Anti-Freeze Pumps. Terminating and installing conduit in all areas for low voltage motors. Pulling to instrument junction Boxes. Completed all control, indication for PDC 2A 5Kv gear.
- ♦ Unit 1-Installing tray supports at PDC 1A.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 2- Installing conduit on Pipe Rack 25. Installing Ullage sprinkler lines. Prepping for spray test.
- ♦ Common Area- Installing conduit.

**Insulation and Heat Tracing (K036):**

- ♦ Fabricating metal sheeting.

**Air Cooled Condenser (K057):**

- ♦ Unit 1- Setting Tube Bundles on Street 2. Bolt up and impact on Motor Bridges. Welding Steam Duct Manifolds on Street.
- ♦ Unit 2- Walk down.

**Common Area Electrical and Instrumentation (K073):**

- ♦ Completed Fire Pump House Raceway. Pulling conductors and terminating.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ No Activity.

**HCE Tube Installation (K102):**

- ♦ Unit 2- Fabrication triple joints. Installing in Block 8. Welding 7,8 and 9. Installing supports in Blocks 7 and 8.
- ♦ Unit 1- Fabricating interconnecting pipe.

<b>Personnel Onsite</b>	<b>Total</b>
Genesis Management	43
Genesis Operations	37
Compliance Monitors	8
Guardsmark (K005)	5
PSI (K007)	6
Sukut (K010)	17
Largo (K015)	0
EPC (K016)	29
BPC (K021)	101
PMI (K022)	267
Newtron (K029)	22
Newtron (K030)	107
Fe Moran (K032)	18
Petrochem (K036)	5
SPX (K057)	50
Newtron (K073)	33
BPC (K100)	0
BPC (K102)	86
Siemens	1
<b>Total Personnel Onsite</b>	<b>835</b>



Unit 2 COD: November 1<sup>st</sup>, 2013  
Unit 1 COD: April 1<sup>st</sup>, 2014

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues to report.

**Equipment/Material Deliveries:**

- ♦ 5,600 Arizona mirrors were received today. 56,500 Arizona mirrors remain to be delivered to site.
- ♦ 700 Germany mirrors were received today. 5,700 Germany mirrors remain to be delivered to site.

**General Services (K010):**

- ♦ Solar Field – Pouring electrical supports.
- ♦ Common Area- Pouring concrete pipe supports.

**Power Block Foundations (K015):**

- ♦ Unit 2 – Punch list items.
- ♦ Unit 1 – Working on Condensate pump foundation, HTF Separator containment, PDC stair pads and platform supports, Poured the two small loading ramps to complete Unit 1 Containment slabs.
- ♦ Common Area – Working on the walls for the Bioremediation slab.
- ♦ Solar Field – Formed Electrical supports for Unit 1 South Header.

**230 Kv Line and Switchyard (K016):**

- ♦ Continued clip in for Transmission conductor towards Colorado River Substation.
- ♦ Continue installation 33kv secondary side jumpers. Ongoing with neutral grounding resistor for WYE side of transformer.

**Solar Field Header/Common Area Piping (K021):**

- ♦ Unit 2- Welding out and installing interconnecting pipe in Block 10 and on North/South Header.
- ♦ Unit 1- Fit and install pipe in Block 2.
- ♦ Common Area- Working punch list on all systems.

**Site Safety Topic Of The Week:**  
*"Hot Work"*

Weather		
Sunny	Temp- High 84	Winds-Southwest at 16 mph



**Power Block 2-Spray Pattern Test**



**Power Block 2 Nitrogen Vaporizers**

**Power Block Piping and Mechanical(K022):**

- ♦ Unit 2- Working Boiler Feed Water and Ullage Pipe. Continue with punch list items on various systems for turnover. Installing STG enclosure panels. Prepping for Ullage and Condensate Hydro's.
- ♦ Unit 1- Working Steam Drum platform, Feed Water and Pipe Rack 23 East steel. Detailing Gland Steam steel. Aligning pumps and Turbines. Installing Pipe at the Boiler Feed Water, Pipe Rack 25 and Pipe Rack 23.

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 2- Terminating in Substation 2C. Tailing in conductors in Ring 9. Terminating in Ring 8. Working North/South cable tray.
- ♦ Unit 1- Installing LOC's in Ring 5 and 1.

**Power Block Above Ground Electrical(K030):**

- ♦ Unit 2- Pulling feeder cable from PDC-2C to Anti-Freeze Pumps. Terminating and installing conduit in all areas for low voltage motors. Pulling to instrument junction Boxes.
- ♦ Unit 1-Installing tray supports at PDC 1A.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 2- Installing conduit on Pipe Rack 25. Installing Ullage sprinkler lines. Performed Spray Pattern test on Systems with the containment slab.
- ♦ Common Area- Installing conduit.

**Insulation and Heat Tracing (K036):**

- ♦ Solar Field- Insulating Header Pipe, Crossovers, Swivel Joints and Interconnects in Blocks 2 and 3.
- ♦ Power Block- Prepping to insulate Train 2 Vessels.

**Air Cooled Condenser (K057):**

- ♦ Unit 1- Setting Tube Bundles on Street 2. Bolt up and impact on Motor Bridges. Welding Steam Duct Manifolds on Street.
- ♦ Unit 2- Punch list.

**Common Area Electrical and Instrumentation (K073):**

- ♦ Installing cable tray, terminating fiber, pulling cable, installing conduit and terminating fiber.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Unit 1- Installing SCE's in Block 3. Erecting pylons in Block 4. Leveling SCA's in Block 1. Aligning pylons in Block 2.

**HCE Tube Installation (K102):**

- ♦ Unit 2- Fabrication triple joints. Installing in Block 8. Welding 7,8 and 9. Installing supports in Blocks 7 and 8. Installing Crossovers in Block 8.
- ♦ Unit 1- Fabricating interconnecting pipe.

<b>Personnel Onsite</b>	<b>Total</b>
Genesis Management	43
Genesis Operations	37
Compliance Monitors	8
Guardsmark (K005)	5
PSI (K007)	6
Sukut (K010)	17
Largo (K015)	25
EPC (K016)	29
BPC (K021)	101
PMI (K022)	267
Newtron (K029)	22
Newtron (K030)	107
Fe Moran (K032)	18
Petrochem (K036)	92
SPX (K057)	50
Newtron (K073)	33
BPC (K100)	83
BPC (K102)	86
Siemens	1
<b>Total Personnel Onsite</b>	<b>1,030</b>



Unit 2 COD: November 1<sup>st</sup>, 2013  
 Unit 1 COD: April 1<sup>st</sup>, 2014

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues to report.

**Equipment/Material Deliveries:**

- ♦ 5,600 Arizona mirrors were received today. 50,900 Arizona mirrors remain to be delivered to site.
- ♦ 2,800 Germany mirrors were received today. 2,900 Germany mirrors remain to be delivered to site.

**General Services (K010):**

- ♦ Solar Field – Stripping forms.
- ♦ Common Area- Stripping forms.
- ♦ Power Block 2- Installing rebar and forms.

**Power Block Foundations (K015):**

- ♦ Unit 2 – Punch list items.
- ♦ Unit 1 – Working on Condensate pump foundation, HTF Separator containment, PDC stair pads and platform supports.
- ♦ Common Area – Working on the walls for the Bioremediation slab.
- ♦ Solar Field – Formed Electrical supports for Unit 1 South Header and excavating Meteorological towers.

**230 Kv Line and Switchyard (K016):**

- ♦ Continued clip and pull towards Colorado River Substation. Transmission Line walk down scheduled for tomorrow.

**Solar Field Header/Common Area Piping (K021):**

- ♦ Unit 2- Welding out and installing interconnecting pipe in Block 10 and on North/South Header.
- ♦ Unit 1- Fit and install pipe in Block 2.
- ♦ Common Area- Working punch list on all systems.

**Power Block Piping and Mechanical(K022):**

- ♦ Unit 2- Working Boiler Feed Water and interconnecting Pipe. Continue with punch list items on various systems for turnover. Installing STG enclosure panels. Hydro Tested Ullage Piping.
- ♦ Unit 1- Working Steam Drum platform, Feed Water, Water Fall and Pipe Rack 23 East steel. Aligning pumps and Turbines. Installing Pipe at the Boiler Feed Water, Pipe Rack 25 and Pipe Rack 23.

**Site Safety Topic Of The Week:**  
*"Hot Work"*

Weather		
Sunny	Temp- High 80	Winds-Southwest at 19 mph



Power Block 2-Pipe Rack 22 East



Power Block 2 Train 1

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 2- Terminating in Substation 2C. Tailing in conductors in Ring 9. Terminating in Ring 8. Working North/South cable tray.
- ♦ Unit 1- Installing LOC's in Ring 5 and 1. Working North/South Cable Tray.

**Power Block Above Ground Electrical(K030):**

- ♦ Unit 2- Terminating, pulling cable, setting instruments, working instrument air and installing conduit in all areas.
- ♦ Unit 1-Installing tray supports at PDC 1A and grounding equipment.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 2- Installing conduit on Pipe Rack 25. Installing Ullage sprinkler lines.
- ♦ Common Area- Installing conduit.

**Insulation and Heat Tracing (K036):**

- ♦ Solar Field- Insulating Header Pipe, Crossovers, Swivel Joints and Interconnects in Blocks 2 and 3.
- ♦ Power Block- Insulating Train 2 Vessels.

**Air Cooled Condenser (K057):**

- ♦ Unit 1- Setting Tube Bundles on Street 2. Bolt up and impact on Motor Bridges. Working Steam Duct and Collection Manifolds on Streets 1 and 2.

**Common Area Electrical and Instrumentation (K073):**

- ♦ Common Area- Installing cable tray, terminating fiber, pulling cable, installing conduit and terminating fiber.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Unit 1- Installing SCE's in Block 3. Erecting pylons in Block 4. Leveling SCA's in Block 1. Aligning pylons in Block 2 and into Block 6.

**HCE Tube Installation (K102):**

- ♦ Unit 2- Welding 8, 9 and 10. Installing Crossovers in Blocks 7 and 8. Installing Crossovers in Block 8. testing in Block 7.
- ♦ Unit 1- Installing triple joints, interconnects and supports in Block 1.

<b>Personnel Onsite</b>	<b>Total</b>
Genesis Management	43
Genesis Operations	37
Compliance Monitors	8
Guardsmark (K005)	5
PSI (K007)	6
Sukut (K010)	17
Largo (K015)	25
EPC (K016)	29
BPC (K021)	101
PMI (K022)	267
Newtron (K029)	22
Newtron (K030)	107
Fe Moran (K032)	18
Petrochem (K036)	92
SPX (K057)	50
Newtron (K073)	33
BPC (K100)	83
BPC (K102)	86
Siemens	1
<b>Total Personnel Onsite</b>	<b>1,030</b>



Unit 2 COD: November 1<sup>st</sup>, 2013

Unit 1 COD: April 1<sup>st</sup>, 2014

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues to report.

**Equipment/Material Deliveries:**

- ♦ 5,600 Arizona mirrors were received today. 45,300 Arizona mirrors remain to be delivered to site.
- ♦ 2,800 Germany mirrors were received today. 100 Germany mirrors remain to be delivered to site. Today marks the end of mirrors to arrive on site from Germany. The balance of 100 mirrors will come from the Phoenix stock to close out the PO.
- ♦ Unit 1- Ullage Vessels 1 & 2 (1UL-TK-0100 & 1UL-TK-0200)

**General Services (K010):**

- ♦ Power Block 2- Pouring Pipe Supports.

**Power Block Foundations (K015):**

- ♦ Unit 2 – Punch list items.
- ♦ Unit 1 – Working on Condensate pump foundation, HTF Separator containment, PDC stair pads and platform supports.
- ♦ Common Area – Working on the walls for the Bioremediation slab.
- ♦ Solar Field – Formed Electrical supports for Unit 1 South Header and excavating Meteorological towers.

**230 Kv Line and Switchyard (K016):**

- ♦ Transmission Line walk down.
- ♦ Transmission Line crews working from E to F structures and supporting 33 Kv interconnect with Southern California Edison.
- ♦ High side of 33 Kv is installed and ready for back feed.

**Solar Field Header/Common Area Piping (K021):**

- ♦ Unit 2- Welding out and installing interconnecting pipe in Block 10 and on North/South Header.
- ♦ Unit 1- Fit and install pipe in Block 2.
- ♦ Common Area- Working punch list on all systems.

**Site Safety Topic Of The Week:**  
*"Hot Work"*

Weather		
Sunny	Temp- High 82	Winds-Southeast at 5 mph



Common Area



Solar Field 1 Block 6 Header Pipe

**Power Block Piping and Mechanical(K022):**

- ♦ Unit 2- Working Boiler Feed Water and interconnecting Pipe. Continue with punch list items on various systems for turnover. Installing STG enclosure panels. Hydro Testing Ullage Piping. Setting remaining Nitrogen Vaporizers.
- ♦ Unit 1- Working Steam Drum platform, Feed Water, and Pipe Rack 23 East steel. Aligning pumps and Turbines. Installing Pipe at the Boiler Feed Water, Pipe Rack 25 and Pipe Rack 23.

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 2- Terminating in Substation 2C. Tailing in conductors in Ring 9. Terminating in Ring 8. Working North/South cable tray.
- ♦ Unit 1- Working all faucets in Rings 1 and 3. Working North/South Cable Tray.

**Power Block Above Ground Electrical(K030):**

- ♦ Unit 2- Terminating, pulling cable, setting instruments, working instrument air and installing conduit in all areas.
- ♦ Unit 1-Installing tray supports at PDC 1A and grounding equipment.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 2- Installing conduit on Pipe Rack 25. Installing Ullage sprinkler lines.
- ♦ Common Area- Installing conduit.

**Insulation and Heat Tracing (K036):**

- ♦ Solar Field- Insulating Header Pipe, Crossovers, Swivel Joints and Interconnects in Blocks 2 and 3.
- ♦ Power Block- Insulating Train 2 Vessels.

**Air Cooled Condenser (K057):**

- ♦ Unit 1- Setting Tube Bundles on Street 2. Bolt up and impact on Motor Bridges. Working Steam Duct and Collection Manifolds on Streets 1 and 2. Working Turbine Exhaust Duct on Street 3.

**Common Area Electrical and Instrumentation (K073):**

- ♦ Common Area- Installing cable tray, terminating fiber, pulling cable, installing conduit and terminating fiber.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Unit 1- Installing SCE's in Block 3. Erecting pylons in Block 4. Leveling SCA's in Block 1. Aligning pylons in Block 6.

**HCE Tube Installation (K102):**

- ♦ Unit 2- Welding 8, 9 and 10. Installing Crossovers in Blocks 7 and 8. Installing Crossovers in Block 8. Testing in Block 7.
- ♦ Unit 1- Installing triple joints, interconnects and supports in Block 1.

<b>Personnel Onsite</b>	<b>Total</b>
Genesis Management	43
Genesis Operations	37
Compliance Monitors	8
Guardsmark (K005)	5
PSI (K007)	6
Sukut (K010)	17
Largo (K015)	25
EPC (K016)	29
BPC (K021)	101
PMI (K022)	267
Newtron (K029)	22
Newtron (K030)	107
Fe Moran (K032)	18
Petrochem (K036)	92
SPX (K057)	50
Newtron (K073)	33
BPC (K100)	83
BPC (K102)	86
Siemens	1
<b>Total Personnel Onsite</b>	<b>1,030</b>



**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues to report.

**Equipment/Material Deliveries:**

- ♦ 5,500 Arizona mirrors were received today. 39,800 Arizona mirrors remain to be delivered to site.
- ♦ 100 Germany mirrors were received today. 0 Germany mirrors remain to be delivered to site. All mirrors have now been received for the Germany PO.

**General Services (K010):**

- ♦ Power Block 2- Stripping forms.
- ♦ Common Area-Excavating Pipe Supports.

**Power Block Foundations (K015):**

- ♦ Unit 2 – Punch list items.
- ♦ Unit 1 – Working on Condensate pump foundation and poured HTF Separator containment.
- ♦ Common Area – Poured the walls for the Bioremediation slab.
- ♦ Solar Field – Poured Electrical supports for Unit 1 South Header, and excavated the last Meteorological towers.

**230 Kv Line and Switchyard (K016):**

- ♦ Transmission Line- Punch list

**Solar Field Header/Common Area Piping (K021):**

- ♦ Unit 2- Welding out and installing interconnecting pipe in Block 10 and on North/South Header. Unit 1- Fit and install pipe in Block 2.
- ♦ Common Area- Working punch list on all systems.

**Power Block Piping and Mechanical(K022):**

- ♦ Unit 2- Working Boiler Feed Water and interconnecting pipe. Continue with punch list items on various systems for turnover. Installing STG enclosure. Hydro Testing Ullage Piping. Set last of the Nitrogen Vaporizers.
- ♦ Unit 1- Working Steam Drum platform, Feed Water, and Pipe Rack 22 West steel. Aligning pumps and Steam Turbine Generator. Installing Pipe at the Boiler Feed Water, Pipe Rack 25 and Pipe Rack 23.

**Site Safety Topic Of The Week:**  
*"Hot Work"*

Weather		
Sunny	Temp- High 89	Winds-Southwest at 10 mph



**Power Block 1 Boiler Feed Water Structure**



**Bioremediation Wall Pour**

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 2- Terminating in Substation 2C. Tailing in conductors in Ring 9. Terminating in Ring 8. Working North/South cable tray.
- ♦ Unit 1- Working all faucets in Rings 1 and 3. Working North/South Cable Tray.

**Power Block Above Ground Electrical(K030):**

- ♦ Unit 2- Terminating, pulling cable, setting instruments, working instrument air and installing conduit in all areas.
- ♦ Unit 1-Installing tray supports at PDC 1A and grounding equipment.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 2- Installing conduit on Pipe Rack 25. Installing Ullage sprinkler lines.
- ♦ Common Area- Installing conduit.

**Insulation and Heat Tracing (K036):**

- ♦ Solar Field- Insulating Header Pipe, Crossovers, Swivel Joints and Interconnects in Blocks 2 and 3.
- ♦ Power Block- Insulating Train 2 Vessels.

**Air Cooled Condenser (K057):**

- ♦ Unit 1- Setting Tube Bundles on Street 2. Bolt up and impact on Motor Bridges. Working Steam Duct and Collection Manifolds on Streets 1 and 2. Working Turbine Exhaust Duct on Street 3.

**Common Area Electrical and Instrumentation (K073):**

- ♦ Common Area- Installing cable tray, terminating fiber, pulling cable, installing conduit and terminating fiber.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Unit 1- Installing SCE's in Block 3. Erecting pylons in Block 4. Leveling SCA's in Block 1. Aligning pylons in Block 6.

**HCE Tube Installation (K102):**

- ♦ Unit 2- Welding in Blocks 8 and 9. Installing Crossovers in Blocks 7 and 8. Installing Crossovers in Block 8. Testing in Block 7.
- ♦ Unit 1- Installing triple joints, interconnects and supports in Block 1.

<b>Personnel Onsite</b>	<b>Total</b>
Genesis Management	42
Genesis Operations	37
Compliance Monitors	8
Guardsmark (K005)	5
PSI (K007)	6
Sukut (K010)	17
Largo (K015)	25
EPC (K016)	29
BPC (K021)	101
PMI (K022)	267
Newtron (K029)	22
Newtron (K030)	107
Fe Moran (K032)	17
Petrochem (K036)	92
SPX (K057)	50
Newtron (K073)	33
BPC (K100)	83
BPC (K102)	86
Siemens	1
<b>Total Personnel Onsite</b>	<b>1,028</b>



Unit 2 COD: November 1<sup>st</sup>, 2013  
 Unit 1 COD: April 1<sup>st</sup>, 2014

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues to report.

**Equipment/Material Deliveries:**

- ♦ 5,600 Arizona mirrors were received today. 34,200 Arizona mirrors remain to be delivered to site.
- ♦ Unit 1 Overflow Vessel (1HR-TK-0200C)
- ♦ Unit 1 Steam Drum (1HR-DRUM-1100)

**General Services (K010):**

- ♦ Common Area-Pouring miscellaneous pipe supports and Operations storage area slab.
- ♦ Solar Field- Excavating miscellaneous electrical supports.

**Power Block Foundations (K015):**

- ♦ No Activity.

**230 Kv Line and Switchyard (K016):**

- ♦ Transmission Line- Punch list

**Solar Field Header/Common Area Piping (K021):**

- ♦ Unit 2- Welding out and installing interconnecting pipe in Block 10 and on North/South Header. Unit 1- Fit and install pipe in Block 2.
- ♦ Common Area- No Activity.

**Power Block Piping and Mechanical(K022):**

- ♦ Unit 2- Working Boiler Feed Water and interconnecting pipe. Continue with punch list items on various systems for turnover. Installing STG enclosure. Hydro Testing Ullage Piping.
- ♦ Unit 1- Working Steam Drum platform, Feed Water, and Pipe Rack 22 West steel. Aligning pumps and Steam Turbine Generator. Installing Pipe at the Boiler Feed Water, Pipe Rack 25 and 23. Received and set Overflow Vessel. Offloaded Steam Drum.

**Site Safety Topic Of The Week:**  
*"Hot Work"*

Weather		
Sunny	Temp- High 94	Winds-North at 6 mph



Power Block 1- Setting last Overflow Vessel



Power Block 1 Pipe Rack 22 West

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 2- Terminating in Substation 2C. Tailing in conductors in Ring 9. Terminating in Ring 8. Working North/South cable tray.
- ♦ Unit 1- Working all faucets in Rings 1 and 3. Working North/South Cable Tray.

**Power Block Above Ground Electrical(K030):**

- ♦ Unit 2- Terminating, pulling cable, setting instruments, working instrument air and installing conduit in all areas.
- ♦ Unit 1-Installing tray supports at PDC 1A and grounding equipment.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 2- Installing conduit on Pipe Rack 25.

**Insulation and Heat Tracing (K036):**

- ♦ Receiving material.

**Air Cooled Condenser (K057):**

- ♦ Unit 1- Setting Tube Bundles on Street 2. Bolt up and impact on Motor Bridges. Working Steam Duct and Collection Condensate Manifolds on Streets 1 and 2. Working Turbine Exhaust Duct on Street 3.

**Common Area Electrical and Instrumentation (K073):**

- ♦ Common Area- Installing cable tray, terminating fiber, pulling cable, installing conduit and terminating fiber.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Receiving material.

**HCE Tube Installation (K102):**

- ♦ Unit 2- Welding in Blocks 8 and 9.

<b>Personnel Onsite</b>	<b>Total</b>
Genesis Management	42
Genesis Operations	37
Compliance Monitors	8
Guardsmark (K005)	5
PSI (K007)	6
Sukut (K010)	17
Largo (K015)	0
EPC (K016)	15
BPC (K021)	75
PMI (K022)	267
Newtron (K029)	22
Newtron (K030)	107
Fe Moran (K032)	10
Petrochem (K036)	5
SPX (K057)	50
Newtron (K073)	33
BPC (K100)	10
BPC (K102)	63
Siemens	1
<b>Total Personnel Onsite</b>	<b>773</b>



Unit 2 COD: November 1<sup>st</sup>, 2013  
 Unit 1 COD: April 1<sup>st</sup>, 2014

**May 13, 2013**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues to report.

**Equipment/Material Deliveries:**

- ♦ 3,500 Arizona mirrors were received today. 30,700 Arizona mirrors remain to be delivered to site.
- ♦ We received the first tank trucks of Dowtherm A. Deliveries will be ongoing.

**General Services (K010):**

- ♦ Common Area- Pouring miscellaneous pipe supports.
- ♦ Solar Field- Pouring miscellaneous electrical supports.

**Power Block Foundations (K015):**

- ♦ Common Area- Stripping Bioremediation slab walls.
- ♦ Power Block 2- Pouring stair and ladder pads.

**230 Kv Line and Switchyard (K016):**

- ♦ Transmission Line- Clean up and demobilization.

**Solar Field Header/Common Area Piping (K021):**

- ♦ Unit 2- Welding out and installing interconnecting pipe in Block 10 and on North/South Header.
- ♦ Unit 1- Fit and install pipe in Block 2.
- ♦ Common Area- Working punch list items on all systems.

**Power Block Piping and Mechanical(K022):**

- ♦ Unit 2- Working Boiler Feed Water and interconnecting pipe. Continue with punch list items on various systems for turnover. Installing STG enclosure. Working final alignments on HTF pumps.
- ♦ Unit 1- Working Steam Drum platform, Feed Water, and Pipe Rack 22 West steel. Aligning pumps and Steam Turbine Generator. Installing Pipe at the Boiler Feed Water, Pipe Rack 25 and 23.

**Site Safety Topic Of The Week:**  
*"Dig Permit"*

Weather		
Sunny	Temp- High 106	Winds- Southeast at 8 mph



**Power Block 1- Steam Turbine Generator**



**Power Block 1 Boiler Feed Water Structure**

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 2- Terminating in Substation 2C. Tailing in conductors in Ring 9. Terminating in Ring 8. Working North/South cable tray.
- ♦ Unit 1- Working all faucets in Rings 1 and 3. Working North/South Cable Tray.

**Power Block Above Ground Electrical(K030):**

- ♦ Unit 2- Terminating, pulling cable, setting instruments, working instrument air and installing conduit in all areas.
- ♦ Unit 1-Installing tray supports at PDC 1A and grounding equipment.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 2- Installing conduit on Pipe Rack 25. Installing pipe around Ullage.

**Insulation and Heat Tracing (K036):**

- ♦ Solar Field- Insulating Header Piping in Block 5. Insulating Crossovers, Swivel Joints and interconnecting pipe in Blocks 3 and 4. Installing HCE covers in Block 1.
- ♦ Power Block – Insulating Train 2 and Overflow Vessels.

**Air Cooled Condenser (K057):**

- ♦ Unit 1- Setting Tube Bundles on Street 1. Working Steam Duct and Collection Condensate Manifolds on Streets 1 and 2. Working Turbine Exhaust Duct on Street 3.

**Common Area Electrical and Instrumentation (K073):**

- ♦ Common Area- Installing cable tray, terminating fiber, pulling cable, installing conduit and terminating fiber.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Unit 1- Installing SCE's in Block 3. Erecting pylons in Block 4. Leveling SCA's in Block 1. Aligning pylons in Block 6.

**HCE Tube Installation (K102):**

- ♦ Unit 2- Welding in Blocks 8 and 9. Installing Crossovers in Block 7 and 8. Testing in Block 7.
- ♦ Unit 1- Installing triple joints, interconnecting pipe and supports in Block 1.

<b>Personnel Onsite</b>	<b>Total</b>
Genesis Management	42
Genesis Operations	37
Compliance Monitors	8
Guardsmark (K005)	5
PSI (K007)	6
Sukut (K010)	17
Largo (K015)	25
EPC (K016)	15
BPC (K021)	81
PMI (K022)	267
Newtron (K029)	22
Newtron (K030)	107
Fe Moran (K032)	15
Petrochem (K036)	102
SPX (K057)	50
Newtron (K073)	33
BPC (K100)	83
BPC (K102)	86
Siemens	1
<b>Total Personnel Onsite</b>	<b>1,002</b>



Unit 2 COD: November 1<sup>st</sup>, 2013  
 Unit 1 COD: April 1<sup>st</sup>, 2014

**May 14, 2013**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues to report.

**Equipment/Material Deliveries:**

- ♦ 4,900 Arizona mirrors were received today. 25,800 Arizona mirrors remain to be delivered to site.

**General Services (K010):**

- ♦ Solar Field- Pouring miscellaneous electrical supports.
- ♦ Power Block- Constructing pipe supports.

**Power Block Foundations (K015):**

- ♦ Common Area- Stripping Bioremediation slab walls.
- ♦ Power Block 2- Pouring stair and ladder pads.

**230 Kv Line and Switchyard (K016):**

- ♦ Transmission Line- Clean up and demobilization.

**Solar Field Header/Common Area Piping (K021):**

- ♦ Unit 2- Welding out and installing interconnecting pipe in Block 10 and on North/South Header. Filling Block 10 for Hydro.
- ♦ Unit 1- Fit and install pipe in Block 2.
- ♦ Common Area- Working punch list items on all systems.

**Power Block Piping and Mechanical(K022):**

- ♦ Unit 2- Working Boiler Feed Water and interconnecting pipe. Continue with punch list items on various systems for turnover. Installing STG enclosure. Working final alignments on HTF pumps. Hydro Tested Condensate System.
- ♦ Unit 1- Working Steam Drum platform, Feed Water, and Pipe Rack 22 West steel. Aligning pumps and Steam Turbine Generator. Installing Pipe at the Boiler Feed Water, Pipe Rack 25 and 23.

**Site Safety Topic Of The Week:**  
*"Dig Permit"*

Weather		
Sunny	Temp- High 106	Winds-Southwest at 18 mph



Power Block 1- Pipe Rack 23



Solar Field 1 Block 3

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 2- Terminating in Substation 2C. Tailing in conductors in Ring 9. Terminating in Ring 8. Working North/South cable tray.
- ♦ Unit 1- Working all aspects in Rings 1 and 3. Working North/South Cable Tray.

**Power Block Above Ground Electrical(K030):**

- ♦ Unit 2- Terminating, pulling cable, setting instruments, working instrument air and installing conduit in all areas.
- ♦ Unit 1-Installing tray supports at PDC 1A and grounding equipment.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 2- Installing conduit on Pipe Rack 25. Installing pipe around Ullage and Lube Oil.

**Insulation and Heat Tracing (K036):**

- ♦ Solar Field- Insulating Header Piping in Block 5. Insulating Crossovers, Swivel Joints and interconnecting pipe in Blocks 3 and 4. Installing HCE covers in Block 1.
- ♦ Power Block – Insulating Train 2 and Overflow Vessels.
- ♦ Common Area- Installing conduit.

**Air Cooled Condenser (K057):**

- ♦ Unit 1- Working Steam Duct and Collection Condensate Manifolds on Streets 1 and 2. Working Turbine Exhaust Duct on Street 3 and 4.

**Common Area Electrical and Instrumentation (K073):**

- ♦ Common Area- Installing cable tray, terminating fiber, pulling cable, installing conduit and terminating fiber.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Unit 1- Installing SCE's in Block 3. Erecting pylons in Block 4. Leveling SCA's in Block 1. Aligning pylons in Block 6.

**HCE Tube Installation (K102):**

- ♦ Unit 2- Welding in Blocks 8 and 9. Installing Crossovers in Block 7 and 8. Testing in Block 7.
- ♦ Unit 1- Installing triple joints, interconnecting pipe and supports in Block 1.

<b>Personnel Onsite</b>	<b>Total</b>
Genesis Management	42
Genesis Operations	37
Compliance Monitors	8
Guardsmark (K005)	5
PSI (K007)	6
Sukut (K010)	17
Largo (K015)	25
EPC (K016)	15
BPC (K021)	81
PMI (K022)	267
Newtron (K029)	22
Newtron (K030)	107
Fe Moran (K032)	15
Petrochem (K036)	102
SPX (K057)	50
Newtron (K073)	33
BPC (K100)	83
BPC (K102)	86
Siemens	1
<b>Total Personnel Onsite</b>	<b>1,002</b>



Unit 2 COD: November 1<sup>st</sup>, 2013  
 Unit 1 COD: April 1<sup>st</sup>, 2014

**May 15, 2013**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues to report.

**Equipment/Material Deliveries:**

- ♦ 5,600 Arizona mirrors were received today. 20,200 Arizona mirrors remain to be delivered to site.

**General Services (K010):**

- ♦ Power Block 2- Pouring miscellaneous supports.
- ♦ Power Block- Constructing pipe supports.

**Power Block Foundations (K015):**

- ♦ Unit 2 – Punch list items.
- ♦ Unit 1 – Working PDC stair and landing supports and HTF overflow slab pedestals.
- ♦ Solar Field – Constructing Meteorological tower foundations and drilled for 2 light pile foundations.

**230 Kv Line and Switchyard (K016):**

- ♦ Transmission Line- Clean up and demobilization.

**Solar Field Header/Common Area Piping (K021):**

- ♦ Unit 2- Filling Block 10 for Hydro. Installing interconnects in Block 10. Installing Header Pipe on North/South and in Block 8.
- ♦ Unit 1- Fit and install pipe in Block 2.
- ♦ Common Area- Working punch list items on all systems.

**Power Block Piping and Mechanical(K022):**

- ♦ Unit 2- Working Boiler Feed Water and interconnecting pipe. Continue with punch list items on various systems for turnover. Installing STG enclosure. Working final alignments on HTF pumps. Hydro testing Feed Water piping.
- ♦ Unit 1- Working Steam Drum platform, Feed Water, Expansion Vessel and Pipe Rack 22 steel. Aligning pumps and Steam Turbine Generator. Installing Pipe at the Boiler Feed Water and on Pipe Rack 25.

**Site Safety Topic Of The Week:**  
*"Dig Permits"*

Weather		
Sunny	Temp- High 100	Winds-Southwest at 12 mph



**Power Block 2- HTF Fill**



**Solar Field 2 North/South Cable Tray and Header Pipe**

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 2- Terminating in Substation 2C. Tailing in conductors in Ring 9. Terminating in Ring 8. Working North/South cable tray.
- ♦ Unit 1- Working all aspects in Rings 1 and 3. Working North/South Cable Tray.

**Power Block Above Ground Electrical(K030):**

- ♦ Unit 2- Terminating, pulling cable, setting instruments, working instrument air and installing conduit in all areas.
- ♦ Unit 1-Installing tray supports at PDC 1A and grounding equipment.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 2- Installing conduit on Pipe Rack 25. Installing pipe around Ullage and Lube Oil.

**Insulation and Heat Tracing (K036):**

- ♦ Solar Field- Insulating Header Piping in Block 5. Insulating Crossovers, Swivel Joints and interconnecting pipe in Blocks 4 and 5. Installing HCE covers in Block 1.
- ♦ Power Block – Insulating Train 2 and Overflow Vessels.
- ♦ Common Area- Installing conduit.

**Air Cooled Condenser (K057):**

- ♦ Unit 1- Working Steam Duct and Collection Condensate Manifolds on Streets 1 and 2. Working Turbine Exhaust Duct on Street 3 and 4.

**Common Area Electrical and Instrumentation (K073):**

- ♦ Common Area- Terminating fiber, pulling cable, installing conduit and terminating fiber.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Unit 1- Installing SCE's in Block 3. Erecting pylons in Block 4. Leveling SCA's in Block 1. Aligning pylons in Block 6.

**HCE Tube Installation (K102):**

- ♦ Unit 2- Welding in Blocks 7 and 8 . Installing Crossovers in Block 7 and 8. Testing in Block 8.
- ♦ Unit 1- Installing triple joints, interconnecting pipe and supports in Block 1.

<b>Personnel Onsite</b>	<b>Total</b>
Genesis Management	42
Genesis Operations	37
Compliance Monitors	8
Guardsmark (K005)	5
PSI (K007)	6
Sukut (K010)	17
Largo (K015)	25
EPC (K016)	15
BPC (K021)	81
PMI (K022)	267
Newtron (K029)	22
Newtron (K030)	107
Fe Moran (K032)	15
Petrochem (K036)	102
SPX (K057)	50
Newtron (K073)	33
BPC (K100)	83
BPC (K102)	86
Siemens	1
<b>Total Personnel Onsite</b>	<b>1,002</b>



Unit 2 COD: November 1<sup>st</sup>, 2013  
 Unit 1 COD: April 1<sup>st</sup>, 2014

**May 16, 2013**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues to report.

**Equipment/Material Deliveries:**

- ♦ 5,600 Arizona mirrors were received today. 14,600 Arizona mirrors remain to be delivered to site.

**General Services (K010):**

- ♦ Power Block 2- Pouring miscellaneous supports.
- ♦ Power Block- Constructing pipe supports.

**Power Block Foundations (K015):**

- ♦ Unit 2 – Punch list items.
- ♦ Unit 1 – Poured PDC stair and landing supports. Drill & epoxy on HTF overflow slab pedestals.
- ♦ Solar Field – Constructing Meteorological tower foundations and 2 light pile foundations.

**230 Kv Line and Switchyard (K016):**

- ♦ Transmission Line- Clean up and demobilization.

**Solar Field Header/Common Area Piping (K021):**

- ♦ Unit 2- Filling Block 10 for Hydro. Installing interconnects in Block 10. Installing Header Pipe on North/South and in Block 8.
- ♦ Unit 1- Fit and install pipe in Block 2.
- ♦ Common Area- Working punch list items on all systems.

**Power Block Piping and Mechanical(K022):**

- ♦ Unit 2- Working Boiler Feed Water and interconnecting pipe. Continue with punch list items on various systems for turnover. Installing STG flashing. Working final alignments on HTF pumps. Hydro testing Feed Water piping.
- ♦ Unit 1- Working Steam Drum platform and Expansion Vessel steel. Installing Pipe at the Boiler Feed Water and on Pipe Rack 25.

**Site Safety Topic Of The Week:**  
*"Dig Permits"*

Weather		
Sunny	Temp- High 100	Winds-Southwest at 18 mph



Solar Field 2 Blocks 8 and 9



Power Block 2- Pipe Rack 25 East

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 2- Terminating in Substations 2A and 2C. Terminating in Ring 8. Pulling cable on North/South run.
- ♦ Unit 1- Working all aspects in Rings 1 and 3. Working North/South Cable Tray.

**Power Block Above Ground Electrical(K030):**

- ♦ Unit 2- Terminating, pulling cable, setting instruments, working instrument air and installing conduit in all areas.
- ♦ Unit 1-Installing cable tray and grounding equipment.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 2- Installing conduit on Pipe Rack 25. Installing pipe at the Lube Oil enclosure. Testing piping around Main Transformer.

**Insulation and Heat Tracing (K036):**

- ♦ Solar Field- Insulating Header Piping in Block 5. Insulating Crossovers, Swivel Joints and interconnecting pipe in Blocks 4 and 5. Installing HCE covers in Block 1.
- ♦ Power Block – Insulating Train 2 and Overflow Vessels.
- ♦ Common Area- Installing conduit.

**Air Cooled Condenser (K057):**

- ♦ Unit 1- Working Steam Duct and Collection Condensate Manifolds on Streets 3 and 4. Working Turbine Exhaust Duct on Street 3 and 4.

**Common Area Electrical and Instrumentation (K073):**

- ♦ Common Area- Terminating fiber, pulling cable, installing conduit and terminating fiber.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Unit 1- Installing SCE's in Block 3. Erecting pylons in Block 4. Leveling SCA's in Block 3. Aligning pylons in Block 6.

**HCE Tube Installation (K102):**

- ♦ Unit 2- Welding triple joints in Block 8. Testing in Block 9.
- ♦ Unit 1- Installing triple joints, interconnecting pipe and supports in Blocks 1 and 5.

<b>Personnel Onsite</b>	<b>Total</b>
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	5
PSI (K007)	5
Sukut (K010)	17
Largo (K015)	25
EPC (K016)	8
BPC (K021)	81
PMI (K022)	267
Newtron (K029)	22
Newtron (K030)	107
Fe Moran (K032)	17
Petrochem (K036)	102
SPX (K057)	50
Newtron (K073)	33
BPC (K100)	83
BPC (K102)	86
Siemens	1
<b>Total Personnel Onsite</b>	<b>997</b>



Unit 2 COD: November 1<sup>st</sup>, 2013  
 Unit 1 COD: April 1<sup>st</sup>, 2014

**May 17, 2013**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues to report.

**Equipment/Material Deliveries:**

- ♦ 4,900 Arizona mirrors were received today. 9,700 Arizona mirrors remain to be delivered to site.

**General Services (K010):**

- ♦ Power Block 2- Pouring miscellaneous supports.

**Power Block Foundations (K015):**

- ♦ No Activity.

**230 Kv Line and Switchyard (K016):**

- ♦ No Activity.

**Solar Field Header/Common Area Piping (K021):**

- ♦ Unit 2- Filling Block 10 for Hydro. Installing Header Pipe on North/South and in Block 8. Crews scheduled to work tomorrow.
- ♦ Unit 1- Fit and install pipe in Block 2.
- ♦ Common Area- No Activity.

**Power Block Piping and Mechanical(K022):**

- ♦ Unit 2- Working Boiler Steam and interconnecting pipe. Continue with punch list items on various systems for turnover. Installing STG flashing. Working final alignments on HTF pumps. Hydro testing Feed Water piping. Crews scheduled to work tomorrow.
- ♦ Unit 1- Working Steam Drum platform and Expansion Vessel steel. Installing Pipe at the Boiler Feed Water and on Pipe Rack 25. Gouging Steam Train Vessel covers. Aligning turbines.

**Site Safety Topic Of The Week:**  
*"Dig Permits"*

Weather		
Sunny	Temp- High 91	Winds-Southwest at 15 mph



**Power Block 2 Lube Oil**



**Power Block 2- Overflow Vessel Insulation**

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 2- Terminating in Substation 2C. Terminating in Ring 8. Pulling cable on North/South run. Backfilling Substation 2C.

**Power Block Above Ground Electrical(K030):**

- ♦ Unit 2- Terminating, pulling cable, setting instruments, working instrument air and installing conduit in all areas.
- ♦ Unit 1-Installing cable tray and grounding equipment.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 2- Terminating in Deluge Enclosures and installing conduit in Lube Oil.

**Insulation and Heat Tracing (K036):**

- ♦ No Activity.

**Air Cooled Condenser (K057):**

- ♦ Unit 1- Working Steam Duct and Collection Condensate Manifolds on Streets 1 and 2. Installing Air lines.

**Common Area Electrical and Instrumentation (K073):**

- ♦ Common Area- Terminating fiber, pulling cable, installing conduit and terminating fiber.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Receiving material.

**HCE Tube Installation (K102):**

- ♦ Unit 2- Testing in Block 9.
- ♦ Unit 1- Installing triple joints, interconnecting pipe and supports in Blocks 1 and 5.

<b>Personnel Onsite</b>	<b>Total</b>
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	5
PSI (K007)	5
Sukut (K010)	17
Largo (K015)	0
EPC (K016)	0
BPC (K021)	81
PMI (K022)	290
Newtron (K029)	36
Newtron (K030)	192
Fe Moran (K032)	17
Petrochem (K036)	0
SPX (K057)	50
Newtron (K073)	31
BPC (K100)	5
BPC (K102)	86
Siemens	1
<b>Total Personnel Onsite</b>	<b>904</b>



**Safety:**

- ♦ May 17th 1st aid reported from PMI. An Employee was placing 4x4 cribbing under a pipe being lowered from a forklift. A sudden shift of the pipe on the forks caused the crib material to pop up and strike the employee causing a cut just above his eye. The cut was cleaned and bandaged. The employee returned to duty. The crew revisited material handling process to include proper rigging for lifting.

**Compliance:**

- ♦ No issues to report.

**Equipment/Material Deliveries:**

- ♦ 4,200 Arizona mirrors were received today. 5,500 Arizona mirrors remain to be delivered to site.
- ♦ Unit 1 Ullage Drain Vessel (1UL-TK-0300)
- ♦ Unit 1 Reclamation Flash Vessel (1UL-TK-0400)
- ♦ Unit 1 Steam Drum (Completes SGS Vessel Deliveries)

**General Services (K010):**

- ♦ Power Block 2- Pouring miscellaneous supports.

**Power Block Foundations (K015):**

- ♦ Unit 1- Epoxy HTF Overflow Vessel pedestals.
- ♦ Solar Field-Constructing Met Tower Foundations.

**230 Kv Line and Switchyard (K016):**

- ♦ Working Punch list and Demobilization.

**Solar Field Header/Common Area Piping (K021):**

- ♦ Unit 2- Filling Block 10 for Hydro. Installing Header Pipe on North/South and in Block 8.
- ♦ Unit 1- Fit and install pipe in Block 2.
- ♦ Common Area- Working Punch List on all systems.

**Power Block Piping and Mechanical(K022):**

- ♦ Unit 2- Working Boiler Steam and interconnecting pipe. Continue with punch list items on various systems for turnover. Installing STG flashing. Working final alignments on HTF pumps. Hydro testing Feed Water piping.
- ♦ Unit 1- Working Steam Drum platform and Expansion Vessel steel. Installing Pipe at the Boiler Feed Water and on Pipe Rack 25. Gouging Steam Train Vessel covers. Aligning turbines. Offloaded Steam Drum.

**Site Safety Topic Of The Week:**  
*"Recognizing Unsafe Conditions"*

Weather		
Sunny	Temp- High 95	Winds-Southwest at 8 mph



**Power Block 1**



**Power Block 2- Pipe Rack 25 Cable**

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 2- Terminating in Substation 2A. Terminating in Ring 8. Pulling cable on North/South run.
- ♦ Unit 1-Working all aspects in Rings 1 and 3.

**Power Block Above Ground Electrical(K030):**

- ♦ Unit 2- Terminating, pulling cable, setting instruments, working instrument air and installing conduit in all areas.
- ♦ Unit 1-Installing cable tray and grounding equipment.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 2- Terminating in Deluge Enclosures and installing piping in Lube Oil.
- ♦ Unit 1- Set Deluge Enclosures 1 and 2.

**Insulation and Heat Tracing (K036):**

- ♦ Solar Field- Insulating Header Piping, Crossovers and Swivel Joints in Block 5.
- ♦ Power Block- Insulating Train 2 Vessels and Treated Water Pipe.

**Air Cooled Condenser (K057):**

- ♦ Unit 1- Working Steam Duct and Collection Condensate Manifolds on Streets 1 and 2. Installing Air lines.

**Common Area Electrical and Instrumentation (K073):**

- ♦ Common Area- Terminating fiber, pulling cable, installing conduit and terminating fiber.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Unit 1- Setting SCE's in Block 2. Leveling SCA's in Block 3. Aligning pylons Block 6. Erecting pylons in Block 4.

**HCE Tube Installation (K102):**

- ♦ Unit 2- Testing in Block 8.
- ♦ Unit 1- Installing triple joints, interconnecting pipe and supports in Blocks 1 and 5.

<b>Personnel Onsite</b>	<b>Total</b>
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	5
PSI (K007)	5
Sukut (K010)	17
Largo (K015)	20
EPC (K016)	5
BPC (K021)	81
PMI (K022)	290
Newtron (K029)	36
Newtron (K030)	192
Fe Moran (K032)	17
Petrochem (K036)	105
SPX (K057)	50
Newtron (K073)	31
BPC (K100)	83
BPC (K102)	86
Siemens	1
<b>Total Personnel Onsite</b>	<b>1,112</b>



Unit 2 COD: November 1<sup>st</sup>, 2013  
 Unit 1 COD: April 1<sup>st</sup>, 2014

**Safety:**

- ♦ No Accident or Injury.

**Compliance:**

- ♦ No issues to report.

**Equipment/Material Deliveries:**

- ♦ 3,500 Arizona mirrors were received today. 2,000 Arizona mirrors remain to be delivered to site.

**General Services (K010):**

- ♦ Power Block 2- Pouring miscellaneous supports.

**Power Block Foundations (K015):**

- ♦ Unit 1- Pouring HTF Overflow Vessel pedestals.
- ♦ Solar Field-Pouring Met Tower Foundations.

**Solar Field Header/Common Area Piping (K021):**

- ♦ Unit 2- Filling Block 10 for Hydro. Installing Header Pipe on North/South and in Block 8.
- ♦ Unit 1- Fit and install pipe in Block 2.
- ♦ Common Area- Working Punch List on all systems.

**Power Block Piping and Mechanical(K022):**

- ♦ Unit 2- Working Boiler Steam and Blow down pipe. Continue with punch list items on various systems for turnover. Installing STG flashing. Aligning Condensate Pumps.
- ♦ Unit 1- Working Boiler Feed Water and Ullage steel. Installing Pipe at the Boiler Feed Water and on Pipe Rack 25. Aligning turbines. Setting Steam Drums 2100 and 1100.

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 2- Terminating in Substation 2C. Terminating in Ring 8. Pulling cable on North/South run.
- ♦ Unit 1-Working all aspects in Rings 1 and 3. Continue North/South Cable tray install.

**Power Block Above Ground Electrical(K030):**

- ♦ Unit 2- Terminating, pulling cable, setting instruments, working instrument air and installing conduit in all areas.
- ♦ Unit 1-Installing cable tray and grounding equipment.

**Site Safety Topic Of The Week:**  
*"Recognizing Unsafe Conditions"*

Weather		
Sunny	Temp- High 101	Winds-Southwest at 9 mph



**Power Block 2- Main Transformer Deluge Test**



**Power Block 1 Train 1**

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 2- Terminating in Deluge Enclosures and hydro testing piping in Lube Oil. Deluge test at Main Transformer.

**Insulation and Heat Tracing (K036):**

- ♦ Solar Field- Insulating Header Piping, Crossovers and Swivel Joints in Block 5.
- ♦ Power Block- Insulating Train 2 Vessels and Treated Water Pipe.

**Air Cooled Condenser (K057):**

- ♦ Unit 1- Working Steam Duct and Collection Condensate Manifolds on Streets 1 and 2. Installing Air and Drain lines.

**Common Area Electrical and Instrumentation (K073):**

- ♦ Common Area- Terminating fiber, pulling cable, installing conduit and terminating fiber.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Unit 1- Setting SCE's in Block 2. Leveling SCA's in Block 3. Aligning pylons Block 6. Erecting pylons in Block 4.

**HCE Tube Installation (K102):**

- ♦ Unit 2- Testing in Block 8.
- ♦ Unit 1- Installing triple joints, interconnecting pipe and supports in Blocks 1 and 5.

<b>Personnel Onsite</b>	<b>Total</b>
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	5
PSI (K007)	5
Sukut (K010)	17
Largo (K015)	20
EPC (K016)	5
BPC (K021)	81
PMI (K022)	290
Newtron (K029)	36
Newtron (K030)	192
Fe Moran (K032)	17
Petrochem (K036)	120
SPX (K057)	50
Newtron (K073)	31
BPC (K100)	83
BPC (K102)	86
Siemens	1
<b>Total Personnel Onsite</b>	<b>1,127</b>



**Safety:**

- ♦ SPX reported an individual experiencing leg cramps and light head presumably associated with heat stress. The employee was taken to a cool area and allowed to rest. The employee has returned to work. Note that the employee had just drank the remainder of his water supply and was on his way to replenish when he felt the fatigue.

**Compliance:**

- ♦ No issues to report.

**Equipment/Material Deliveries:**

- ♦ 1,150 Arizona mirrors were received today. 850 Arizona mirrors remain to be delivered to site.
- ♦ The balance of the PO quantity plus spares are to be delivered tomorrow May 23rd. This will complete Arizona deliveries.

**General Services (K010):**

- ♦ Power Block 2- Forming and installing rebar in miscellaneous pipe supports.

**Power Block Foundations (K015):**

- ♦ Unit 1- Pouring HTF Overflow Vessel pedestals.
- ♦ Solar Field-Backfilling Met Tower foundations.

**Solar Field Header/Common Area Piping (K021):**

- ♦ Unit 2- Hydro tested Block 10. Welding out and filling Header Pipe South of the Power Block. Installing Pipe in Block 8.
- ♦ Unit 1- Fit and install pipe in Block 2.
- ♦ Common Area- Working Punch List on all systems.

**Power Block Piping and Mechanical(K022):**

- ♦ Unit 2- Working Boiler Steam and Blow down pipe. Continue with punch list items on various systems for turnover. Installing STG flashing. Aligning Condensate Pumps.
- ♦ Unit 1- Working Boiler Feed Water and Ullage steel. Installing Pipe at the Boiler Feed Water and on Pipe Rack 25 and 23. Aligning turbines.

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 2- Terminating in Substation 2C. Terminating in Ring 8. Pulling cable on North/South run. Working instruments in Block 3.
- ♦ Unit 1-Working all aspects in Rings 1 and 3. Continue North/South Cable tray install.

**Site Safety Topic Of The Week:**  
*"Recognizing Unsafe Conditions"*

Weather		
Sunny	Temp- High 101	Winds-Southwest at 16 mph



Power Block 2- Looking East



Solar Field 2 Bridge 6

**Power Block Above Ground Electrical(K030):**

- ♦ Unit 2- Terminating, pulling cable, setting instruments, working instrument air and installing conduit in all areas.
- ♦ Unit 1-Installing cable tray and grounding equipment.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 2- Terminating in Deluge Enclosures and hydro testing Ullage Piping.

**Insulation and Heat Tracing (K036):**

- ♦ Solar Field- Insulating Header Piping, Crossovers and Swivel Joints in Block 5.
- ♦ Power Block- Insulating Train 2 Vessels, Overflow Vessel A and Treated Water Pipe.
- ♦ Common Area- Installing conduit.

**Air Cooled Condenser (K057):**

- ♦ Unit 1- Working Steam Duct and Collection Condensate Manifolds on Streets 1 and 2. Installing Air and Drain lines.

**Common Area Electrical and Instrumentation (K073):**

- ♦ Common Area- Pulling cable, installing conduit and terminating fiber.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Unit 1- Setting SCE's in Block 2. Leveling SCA's in Block 3. Aligning pylons Block 6. Erecting pylons in Block 4.

**HCE Tube Installation (K102):**

- ♦ Unit 2- Testing in Block 8.
- ♦ Unit 1- Installing triple joints, interconnecting pipe and supports in Blocks 1 and 5.

<b>Personnel Onsite</b>	<b>Total</b>
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	5
PSI (K007)	5
Sukut (K010)	17
Largo (K015)	15
EPC (K016)	5
BPC (K021)	81
PMI (K022)	290
Newtron (K029)	36
Newtron (K030)	192
Fe Moran (K032)	17
Petrochem (K036)	120
SPX (K057)	65
Newtron (K073)	31
BPC (K100)	83
BPC (K102)	99
Siemens	1
<b>Total Personnel Onsite</b>	<b>1,150</b>



Genesis Solar Energy Project

**Safety:**

- ♦ No issues to report.

**Compliance:**

- ♦ No issues to report.

**Equipment/Material Deliveries:**

- ♦ 1,150 Arizona mirrors were received today. 0 Arizona mirrors remain to be delivered to site. This completes all mirror deliveries from the Phoenix warehouse.
- ♦ Unit 1 HTF Expansion Vessel (1HR-TK-0100) This is the final HTF Pressure Vessel and this completes all heavy-haul deliveries for the project.

**General Services (K010):**

- ♦ Power Block 2- Forming and installing rebar in miscellaneous pipe supports.

**Power Block Foundations (K015):**

- ♦ Unit 1- Pouring HTF Overflow Vessel pedestals.
- ♦ Solar Field-Backfilling Met Tower foundations.

**Solar Field Header/Common Area Piping (K021):**

- ♦ Unit 2- Hydro filling Unit 2 North South Header preparing for test.
- ♦ Unit 1- Fit and install pipe in Block 2.
- ♦ Common Area- Working Punch List on all systems.

**Power Block Piping and Mechanical(K022):**

- ♦ Unit 2- Working Boiler Steam, Feed Water and Blow Down pipe. Continue with punch list items on various systems for turnover. Installing STG flashing. Install Silencer Steel on Rack 23.
- ♦ Unit 1- Working Boiler Feed Water and Ullage steel. Installing Pipe at the Boiler Feed Water and on Pipe Rack 25 and 23. Aligning turbines. Received and set HTF Expansion Vessel. Begin preparation for Steam Drum to Evaporation interconnecting pipe.

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 2- Terminating in Substation 2C. Terminating in Ring 8. Pulling cable on North/South run. Working instruments in Block 3.
- ♦ Unit 1-Working all aspects in Rings 1 and 3. Continue North/South Cable tray install.

**Site Safety Topic Of The Week:**  
*"Recognizing Unsafe Conditions"*

Weather		
Sunny	Temp- High 95	Winds-SW at 10-20 mph



Power Block 1- Expansion Vessel



Power Block 2- PR 25

**Power Block Above Ground Electrical(K030):**

- ♦ Unit 2- Terminating, pulling cable, setting instruments, working instrument air and installing conduit in all areas.
- ♦ Unit 1-Installing cable tray and grounding equipment.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 2- Terminating in Deluge Enclosures and hydro testing Ullage Piping.

**Insulation and Heat Tracing (K036):**

- ♦ Solar Field- Insulating Header Piping, Crossovers and Swivel Joints in Block 5.
- ♦ Power Block- Insulating Train 2 Vessels, Overflow Vessel A and Treated Water Pipe. Prepare to move to Train 1 Vessels.
- ♦ Common Area- Installing conduit.

**Air Cooled Condenser (K057):**

- ♦ Unit 1- Working Steam Duct and Collection Condensate Manifolds on Streets 1 and 2. Performed clean and close inspection.
- ♦ Continued Installing Air and Drain lines.

**Common Area Electrical and Instrumentation (K073):**

- ♦ Common Area- Pulling cable, installing conduit and terminating fiber.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Unit 1- Setting SCE's in Block 2. Leveling SCA's in Block 3. Aligning pylons Block 6. Erecting pylons in Block 4.

**HCE Tube Installation (K102):**

- ♦ Unit 2- Testing in Block 8.
- ♦ Unit 1- Installing triple joints, interconnecting pipe and supports in Blocks 1 and 5.

<b>Personnel Onsite</b>	<b>Total</b>
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	5
PSI (K007)	5
Sukut (K010)	17
Largo (K015)	15
EPC (K016)	5
BPC (K021)	81
PMI (K022)	290
Newtron (K029)	36
Newtron (K030)	192
Fe Moran (K032)	17
Petrochem (K036)	120
SPX (K057)	65
Newtron (K073)	31
BPC (K100)	83
BPC (K102)	99
Siemens	1
<b>Total Personnel Onsite</b>	<b>1,150</b>



Unit 2 COD: November 1<sup>st</sup>, 2013

Unit 1 COD: April 1<sup>st</sup>, 2014

**Safety:**

- ♦ A PMI employee hit his thumb with a hammer, it is a first aid.
- ♦ A Neutron employee jammed his finger while pulling cable, it is a first aid.

**Compliance:**

- ♦ No issues to report.

**Equipment/Material Deliveries:**

- ♦ No major deliveries to report.

**General Services (K010):**

- ♦ Installed and backfilled miscellaneous supports

**Power Block Foundations (K015):**

- ♦ No work

**Solar Field Header/Common Area Piping (K021):**

- ♦ Unit 2- Hydro filling and pressure up on North South Header preparing for test. Install spring supports in bridge 6.
- ♦ Unit 1- Fit and install pipe in block 2.

**Power Block Piping and Mechanical(K022):**

- ♦ Unit 2- Working Boiler Steam, Feed Water, Aux Steam, Heater Bleed and Blow Down pipe. Continue with punch list items on various systems for turnover. Installing STG flashing. Install Silencer Steel on Rack 23. Pipe strain on freeze protection pumps.
- ♦ Unit 1- Working Boiler Feed Water, 22, 23 and 24 west rack and Ullage steel. Installing Pipe at the Boiler Feed Water and on Pipe Rack 25 and 23. Aligning turbines. Begin preparation for Steam Drum to Evaporation interconnecting pipe.

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 2- No work
- ♦ Unit 1- No work

**Site Safety Topic Of The Week:**  
*"Recognizing Unsafe Conditions"*

Weather		
Sunny	Temp- High 90	Winds-South at 15 mph



Power Block 2



Solar Field 2

**Power Block Above Ground Electrical(K030):**

- ♦ Unit 2- Terminating, pulling cable, setting instruments, working instrument air and installing conduit in all areas.
- ♦ Unit 1-Installing cable tray and grounding equipment.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 2- Pulling cable from electrical building to valve house 2.

**Insulation and Heat Tracing (K036):**

- ♦ Solar Field- Insulating Header Piping, Crossovers and Swivel Joints in Block 5.
- ♦ Power Block- Insulating Train 2 Vessels, Overflow Vessel A and Treated Water Pipe. Prepare to move to Train 1 Vessels.
- ♦ Common Area- Installing conduit.

**Air Cooled Condenser (K057):**

- ♦ Unit 1- Installed pipe on condensate and air takeoff systems.

**Common Area Electrical and Instrumentation (K073):**

- ♦ Common Area- Pulling cable, installing and conduit. Terminate cables inside water treatment building.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Unit 1- Received materials.

**HCE Tube Installation (K102):**

- ♦ Unit 2- Testing in Block 8, final test in Unit 2.
- ♦ Unit 1- Installing triple joints, interconnecting pipe and supports in Blocks 1 and 5.

<b>Personnel Onsite</b>	<b>Total</b>
Genesis Management	39
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	5
PSI (K007)	5
Sukut (K010)	17
Largo (K015)	15
EPC (K016)	5
BPC (K021)	81
PMI (K022)	290
Newtron (K029)	0
Newtron (K030)	207
Fe Moran (K032)	17
Petrochem (K036)	120
SPX (K057)	65
Newtron (K073)	36
BPC (K100)	10
BPC (K102)	99
Siemens	
<b>Total Personnel Onsite</b>	<b>1,057</b>



**Genesis Solar, LLC.  
Blythe, California**

*Daily Report*

**May 28, 2013**

Unit 2 COD: November 1<sup>st</sup>, 2013

Unit 1 COD: April 1<sup>st</sup>, 2014



Genesis Solar Energy Project

**Safety:**

- ♦ No Accident or Injury.

**Compliance:**

- ♦ No issues to report.

**Equipment/Material Deliveries:**

- ♦ No major deliveries to report.

**General Services (K010):**

- ♦ Power Block 2- Forming and installing rebar in miscellaneous pipe supports.
- ♦ Solar Field 2- Excavating electrical supports in Block 5.

**Power Block Foundations (K015):**

- ♦ Unit 1- Unit 1 – Working on HTF overflow slab pedestals and duct bank stub-ups.

**Solar Field Header/Common Area Piping (K021):**

- ♦ Unit 2- Hydro testing North/South Header. Installing Header Pipe and interconnects in Block 8.
- ♦ Unit 1- Fit and install pipe in Block 2.
- ♦ Common Area- Working Punch List on all systems.

**Power Block Piping and Mechanical(K022):**

- ♦ Unit 2- Working Boiler Steam and Blow down pipe. Continue with punch list items on various systems for turnover. Installing STG flashing. Installing Silencer Steel on Rack 23. Pipe strain on Freeze Protection pumps.
- ♦ Unit 1- Working Boiler Feed Water, Pipe Rack 25 and Ullage steel. Installing Pipe at the Boiler Feed Water and on Pipe Rack 25 and 23.

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 2- Terminating in Substation 2C. Terminating in Ring 8. Pulling cable on North/South run. Working instruments in Block 3.
- ♦ Unit 1-Working all aspects in Rings 1 and 3. Continue North/South Cable tray install.

**Site Safety Topic Of The Week:**  
*"Electrical Hazards"*

Weather		
Sunny	Temp- High 95	Winds-Southwest at 11 mph



Solar Field 1 Block 4



Solar Field 2 Block 8

**Power Block Above Ground Electrical(K030):**

- ♦ Unit 2- Terminating, pulling cable, setting instruments, working instrument air and installing conduit in all areas.
- ♦ Unit 1-Installing cable tray and grounding equipment.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 2- Terminating in Deluge Enclosures and hydro testing Ullage Piping. Installing air lines to Deluge Enclosures.

**Insulation and Heat Tracing (K036):**

- ♦ Solar Field- Laying out material in Block 9.
- ♦ Power Block- Fit testing HTF Piping for insulation in Pipe rack 22.
- ♦ Common Area- Installing conduit.

**Air Cooled Condenser (K057):**

- ♦ Unit 1- Installing Wind wall sheeting. Installing Drain lines. Prepping for Air Test.

**Common Area Electrical and Instrumentation (K073):**

- ♦ Common Area- Pulling cable, installing conduit and terminating fiber.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Unit 1- Setting SCE's in Block 2. Leveling SCA's in Block 3. Aligning pylons Block 6. Erecting pylons in Block 4.

**HCE Tube Installation (K102):**

- ♦ Unit 2- Testing in Block 8.
- ♦ Unit 1- Installing triple joints, interconnecting pipe and supports in Blocks 1 and 5.

<b>Personnel Onsite</b>	<b>Total</b>
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	5
PSI (K007)	5
Sukut (K010)	17
Largo (K015)	10
EPC (K016)	0
BPC (K021)	81
PMI (K022)	290
Newtron (K029)	36
Newtron (K030)	192
Fe Moran (K032)	17
Petrochem (K036)	20
SPX (K057)	65
Newtron (K073)	31
BPC (K100)	83
BPC (K102)	99
Siemens	
<b>Total Personnel Onsite</b>	<b>1,039</b>



**Safety:**

- ♦ Petrochem reported an employee working in the vicinity of ant felt a sting on his leg that cause a swelling. Onsite was consulted and antibiotic salve was applied to the site. The Employee returned to work. This was reported as 1st aid.

**Compliance:**

- ♦ No issues to report.

**Equipment/Material Deliveries:**

- ♦ No major deliveries to report.

**General Services (K010):**

- ♦ Power Block 2- Pouring miscellaneous pipe supports.
- ♦ Solar Field 2- Forming electrical supports in Block 5.

**Power Block Foundations (K015):**

- ♦ Unit 1- Working duct bank stub-ups and punch list items.

**Solar Field Header/Common Area Piping (K021):**

- ♦ Unit 2- Draining Block 10 Header Pipe and completed Hydro test on North/South Header. Installing Header and interconnecting pipe in Block 8.
- ♦ Unit 1- Fit and install pipe in Block 2.
- ♦ Common Area- Working Punch List on all systems.

**Power Block Piping and Mechanical(K022):**

- ♦ Unit 2- Working Auxiliary Steam, Boiler Steam and Blow down pipe. Continue with punch list items on various systems for turnover. Installing Silencer Steel on Rack 23. Hydro Testing Feed Water Pipe.
- ♦ Unit 1- Working Boiler Feed Water, Pipe Rack 25 and Ullage steel. Installing pipe at the Boiler Feed Water, Pipe Rack 25 and 23.

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 2- Terminating in Substation 2C. Terminating in Ring 8. Pulling cable on North/South run. Working instruments in Block 3.
- ♦ Unit 1-Working all aspects in Rings 1 and 3. Continue North/South Cable tray install.

**Site Safety Topic Of The Week:**  
*"Electrical Hazards"*

Weather		
Sunny	Temp- High 99	Winds-Southwest at 17 mph



Power Block 2 Turbine Exhaust Ducts



Power Block 2 HTF Piping Insulation

**Power Block Above Ground Electrical(K030):**

- ♦ Unit 2- Terminating, pulling cable, setting instruments, working instrument air and installing conduit in all areas.
- ♦ Unit 1-Installing cable tray and grounding equipment.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 2- Terminating cable and installing air lines to Deluge Enclosures.

**Insulation and Heat Tracing (K036):**

- ♦ Solar Field- Insulating Block 9 and 10 Header Pipe, Crossovers, swivel joints and interconnecting pipe.
- ♦ Power Block- Insulating Train 2 Vessels, Overflow Vessels and HTF Pipe.
- ♦ Common Area- Installing conduit and heat trace.

**Air Cooled Condenser (K057):**

- ♦ Unit 1- Installing Wind wall sheeting and Drain lines. Prepping for Air Test. Sealing up Condensate Manifolds.

**Common Area Electrical and Instrumentation (K073):**

- ♦ Common Area- Pulling cable, installing conduit and terminating fiber.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Unit 1- Setting SCE's in Block 2. Leveling SCA's in Block 3. Aligning pylons Block 6. Erecting pylons in Block 4.

**HCE Tube Installation (K102):**

- ♦ Unit 2- Working Punch list.
- ♦ Unit 1- Installing triple joints, interconnecting pipe and supports in Blocks 1 and 5.

<b>Personnel Onsite</b>	<b>Total</b>
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	5
PSI (K007)	5
Sukut (K010)	17
Largo (K015)	10
EPC (K016)	0
BPC (K021)	81
PMI (K022)	290
Newtron (K029)	36
Newtron (K030)	192
Fe Moran (K032)	17
Petrochem (K036)	149
SPX (K057)	65
Newtron (K073)	31
BPC (K100)	83
BPC (K102)	99
Siemens	
<b>Total Personnel Onsite</b>	<b>1,168</b>



**Safety:**

- ♦ PMI reported 1st aid when an iron worker felt light headed and went to the cool room to rest. After a short period the employee returned to work without further incident.
- ♦ PMI reported 1st aid from a worker laying on his back and slag causing a slight burn on his neck. The burn was treated with antibiotic cream and the welder returned to work.
- ♦ F.E. Moran reported a possible insect bite that an electrical subcontract employee noticed on his leg after eating lunch. The employee returned to work but will be monitored.
- ♦ ARB reported a worker inside the assembly building with a possible insect bite. The employee was examined and not treated. The employee returned to work without further incident.

**Compliance:**

- ♦ No issues reported.

**Equipment/Material Deliveries:**

- ♦ No major deliveries to report.

**General Services (K010):**

- ♦ Power Block 2- Forming miscellaneous pipe supports.

**Power Block Foundations (K015):**

- ♦ Unit 1- Backfilling MET Tower foundation.

**Solar Field Header/Common Area Piping (K021):**

- ♦ Unit 2- Draining Block 10 and North/South Header. Installing Header and interconnecting pipe in Block 8.
- ♦ Unit 1- Fit and install pipe in Block 2.
- ♦ Common Area- Working Punch List on all systems.

**Power Block Piping and Mechanical(K022):**

- ♦ Unit 2- Working Auxiliary Steam, Boiler Steam and Blow down pipe. Continue with punch list items on various systems for turnover. Installing Silencer Steel on Rack 23.
- ♦ Unit 1- Working Boiler Feed Water, Pipe Rack 25 and Ullage steel. Installing pipe at the Boiler Feed Water, Pipe Rack 25 and 23. Working down comers on Train 1. Set Nitrogen Vaporizers.

**Site Safety Topic Of The Week:**  
*"Electrical Hazards"*

Weather		
Sunny	Temp- High 100	Winds-South at 17 mph



**Power Block 2 ACC**



**Power Block 1 ACC-Installing Wind Wall Sheeting**

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 2- Terminating in Substation 2C. Pulling cable on North/South run. Working instruments in Block 3.
- ♦ Unit 1-Working all aspects in Rings 1 and 3. Terminating in Block 5.

**Power Block Above Ground Electrical(K030):**

- ♦ Unit 2- Terminating, pulling cable, setting instruments, working instrument air and installing conduit in all areas.
- ♦ Unit 1-Installing cable tray and grounding equipment.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 2- Terminating cable in the Deluge Enclosures and Electrical Building.

**Insulation and Heat Tracing (K036):**

- ♦ Solar Field- Insulating Block 9 and 10 Header Pipe, Crossovers, swivel joints and interconnecting pipe.
- ♦ Power Block- Insulating Train 2 Vessels, Overflow Vessels and HTF Pipe.
- ♦ Common Area- Installing conduit and heat trace.

**Air Cooled Condenser (K057):**

- ♦ Unit 1- Installing Wind wall sheeting and Drain lines. Prepping for Air Test. Sealing up Condensate Manifolds.

**Common Area Electrical and Instrumentation (K073):**

- ♦ Common Area- Terminating throughout Water Treatment Area.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Unit 1- Setting SCE's in Block 2. Leveling SCA's in Block 3. Aligning pylons Block 6. Erecting pylons in Block 4.

**HCE Tube Installation (K102):**

- ♦ Unit 2- Working Punch list.
- ♦ Unit 1- Welding in Block 5. Installing triple joints in Block 1. Installing supports in Block 3.

<b>Personnel Onsite</b>	<b>Total</b>
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	5
PSI (K007)	5
Sukut (K010)	17
Largo (K015)	10
BPC (K021)	81
PMI (K022)	290
Newtron (K029)	36
Newtron (K030)	192
Fe Moran (K032)	12
Petrochem (K036)	149
SPX (K057)	65
Newtron (K073)	31
BPC (K100)	83
BPC (K102)	99
<b>Total Personnel Onsite</b>	<b>1,163</b>



Unit 2 COD: November 1<sup>st</sup>, 2013  
 Unit 1 COD: April 1<sup>st</sup>, 2014

**May 31, 2013**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**Equipment/Material Deliveries:**

- ♦ No major deliveries to report.

**General Services (K010):**

- ♦ Power Block 2- Pouring miscellaneous pipe supports.

**Power Block Foundations (K015):**

- ♦ No Activity.

**Solar Field Header/Common Area Piping (K021):**

- ♦ Unit 2- Draining Block 10 and North/South Header. Installing Header and interconnecting pipe in Block 8.
- ♦ Unit 1- Fit and install pipe in Block 2.
- ♦ Common Area- No Activity.

**Power Block Piping and Mechanical(K022):**

- ♦ Unit 2- Working Auxiliary Steam, Boiler Steam and Blow down pipe. Continue with punch list items on various systems for turnover. Installing Silencer Steel on Rack 23.
- ♦ Unit 1- Working Boiler Feed Water, Pipe Rack 25 and Ullage steel. Installing pipe at the Boiler Feed Water, Pipe Rack 25 and 23. Working down comers on Train 1.

**Solar Field Above Ground Electrical (K029):**

- ♦ No Activity.

**Power Block Above Ground Electrical(K030):**

- ♦ Unit 2- Terminating, pulling cable, setting instruments, working instrument air and installing conduit in all areas.
- ♦ Unit 1-Installing cable tray and grounding equipment.

**Site Safety Topic Of The Week:**  
*"Electrical Hazards"*

Weather		
Sunny	Temp- High 101	Winds-South at 3 mph



Power Block 2 Train 2



Power Block 2- Pipe Rack 22 East

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 2- Terminating cable in the Deluge Enclosures and Electrical Building.

**Insulation and Heat Tracing (K036):**

- ♦ Solar Field- Insulating Block 9 and 10 Header Pipe, Crossovers, swivel joints and interconnecting pipe.
- ♦ Power Block- Insulating Train 2 Vessels, Overflow Vessels and HTF Pipe.
- ♦ Common Area- Installing conduit and heat trace.

**Air Cooled Condenser (K057):**

- ♦ No Activity.

**Common Area Electrical and Instrumentation (K073):**

- ♦ Common Area- Terminating throughout Water Treatment Area. Energized PDC 0A and the Admin Building with permanent power.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ No Activity.

**HCE Tube Installation (K102):**

- ♦ Unit 2- Working Punch list.
- ♦ Unit 1- Welding in Block 5. Installing triple joints in Block 1. Installing supports in Block 3.

<b>Personnel Onsite</b>	<b>Total</b>
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	5
PSI (K007)	5
Sukut (K010)	17
Largo (K015)	0
BPC (K021)	81
PMI (K022)	290
Newtron (K029)	0
Newtron (K030)	192
Fe Moran (K032)	12
Petrochem (K036)	149
SPX (K057)	0
Newtron (K073)	31
BPC (K100)	0
BPC (K102)	99
<b>Total Personnel Onsite</b>	<b>969</b>

UNITED STATES OF AMERICA  
DEPARTMENT OF TRANSPORTATION  
PIPELINE AND HAZARDOUS MATERIALS SAFETY ADMINISTRATION



**HAZARDOUS MATERIALS  
CERTIFICATE OF REGISTRATION  
FOR REGISTRATION YEAR(S) 2012-2015**

**Registrant:** TRIMAC TRANSPORTATION SERVICES (WESTERN), INC  
Attn: NICKI SWIFT  
PO BOX 3500 ATTN:NICKI SWIFT  
CALGARY, AB, CANADA T2P 2P9

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of 49 U.S.C. 5108. It is unlawful to alter or falsify this document.

**Reg. No: 060512 551 043UW      Issued: 06/05/2012      Expires: 06/30/2015**

**HM Company ID: 005567**

**Record Keeping Requirements for the Registration Program**

The following must be maintained at the principal place of business for a period of three years from the date of issuance of this Certificate of Registration:

- (1) A copy of the registration statement filed with PHMSA; and
- (2) This Certificate of Registration

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U. S. Department of Transportation upon request.

Each motor carrier (private or for-hire) and each vessel operator subject to the registration requirement must keep a copy of the current Certificate of Registration or another document bearing the registration number identified as the "U.S. DOT Hazard Reg. No." in each truck and truck tractor or vessel (trailers and semi-trailers not included) used to transport hazardous materials subject to the registration requirement. The Certificate of Registration or document bearing the registration number must be made available, upon request, to enforcement personnel.

For information, contact the Hazardous Materials Registration Manager, PHH-52, Pipeline and Hazardous Materials Safety Administration, U.S. Department of Transportation, 1200 New Jersey Avenue, SE, Washington, DC 20590, telephone (202) 366-4109.



STATE OF CALIFORNIA  
DEPARTMENT OF CALIFORNIA HIGHWAY PATROL

**HAZARDOUS MATERIALS  
TRANSPORTATION LICENSE**

CHP 350H (REV 1/00) CFI 062

LICENSEE NAME AND PHYSICAL ADDRESS *(only if different from below)*

TRIMAC TRANSPORTATION SERVICES (WESTERN), INC.

16333 JFK BLVD., STE. 800  
HOUSTON TX 77032

LICENSEE NAME AND MAILING ADDRESS

TRIMAC TRANSPORTATION SERVICES (WESTERN), INC.

P. O. BOX 3800  
CALGARY, AB CANADA T2P 2P9

ATTENTION: NICKI SWIFT

CONTROL NUMBER	LICENSE NUMBER	ISSUE DATE	EFFECTIVE DATE	EXPIRATION DATE
206714	52501	2/12/2013		4/30/2014
CHP CARRIER NUMBER	LOCATION	<input type="checkbox"/> Duplicate	<input type="checkbox"/> Replacement	
CA 1031		<input type="checkbox"/> Initial	<input checked="" type="checkbox"/> Renewal	

**PROPERTY OF THE CALIFORNIA HIGHWAY PATROL (CHP)**

The original valid license must be kept at the licensee's place of business as indicated on the license and a legible copy must be carried in any vehicle or combination transporting hazardous materials and must be presented to any CHP officer upon request. This license is NON-TRANSFERABLE and must be surrendered to the CHP upon demand or as required by law. A majority change in ownership of control of the licensed activity shall require a new license. The license may be renewed by submitting an application and appropriate fee to the CHP. Persons whose licenses have expired or are otherwise no longer valid must immediately cease the activity requiring a license. THERE IS NO GRACE PERIOD. For licensing information contact CHP, Commercial Vehicle Section at (916) 843-3400.

This carrier is on the special routing/safe stopping place mailing lists as indicated below:

- (EMX) Explosives subject to Division 14, California Vehicle Code (CVC)
- (HMFH) Poison Inhalation Hazard materials in bulk packaging subject to Division 14.3, CVC.
- (HRCQ) Highway Route Controlled Quantity radioactive materials subject to Division 14.5, CVC.

Any person who dumps, spills, or causes the release of hazardous materials or hazardous waste upon any highway shall immediately notify the CHP or the agency having jurisdiction for that highway. The maximum fine for failure to make the appropriate notification is \$ 2,000.00. (CVC Section 23112.5)

**DEPARTMENT OF MOTOR VEHICLES**  
 MOTOR CARRIER SERVICES BRANCH MS G875  
 P.O. BOX 932370 Sacramento, CA. 94232-3700  
 (916) 857-8153



11/28/2007

TRIMAC TRANSP SERVICES WESTERN INC  
 PO BX 3500  
 CALGARY, AB T2P2P9  
 CAN

 DEPARTMENT OF MOTOR VEHICLES A Public Service Agency		<b>NON-EXPIRING                  MOTOR CARRIER PERMIT                  Combined Carrier</b>	
DEPARTMENT OF MOTOR VEHICLES Motor Carrier Services Branch P.O. BOX 932370 Sacramento, CA. 94232-3700		Valid From:	11/27/2007
		Valid Through:	Non-Expiring
TRIMAC TRANSP SERVICES WESTERN INC PO BX 3500 CALGARY, AB T2P2P9 CAN		CA#:	0001031
		The carrier named on this permit is subject to the Unified Carrier Registration Act (UCRA) of 2005, and is granted a non-expiring permit of the following classification: 	
Pmt Date: N/A	Office #: 154	<b>Not Valid for Intrastate Only Operations</b>	
Account #: 23115	Tech ID: SC		
Sequence #: 0048	Amt Paid: No Fee		

**!!!IMPORTANT REMINDERS!!!**

1. This non-expiring Motor Carrier Permit (MCP) will remain valid as long as you continue to conduct interstate operations. The Unified Carrier Registration Act (UCRA) of 2005 exempts combined carriers (carriers who operate both intra and interstate) from MCP requirements.
2. Federal Motor Carrier Safety Administration insurance requirements must be maintained.
3. If you commence intrastate only operations, you must renew your MCP.

California Relay Telephone Service for the deaf or hearing impaired from TDD Phones: 1-800-735-2929; from Voice Phones: 1-800-735-2922

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

New meters 10/21	Serial No#: 11-07803	Serial No#: 11-07804	Serial No#: 11-07805	Serial No#: 022037 Currently not in use	Sundays not worked so no meter readings
	All McCalls Propeller Meter McCrometer Flow Meters			Hendley Nitro Performance	
Date	Well 0	Well 1	Well 2	Front Well Gauge (in gal)	Comments
Wed. 5/01	101487	209127	282967		
Thu. 5/02	101487	209518	283447		
Fri. 5/03	101913	209889	283902		
Sat. 5/04	101913 acre feet x .001	209889 acre feet x .001	283902 acre feet x .001	78762 00 (out of service)	Friday reading 05/01
Sun. 5/05	101913	209889	283902		
Mon. 5/06	102211	210209	284409		
Tue. 5/07	102461	210508	284748		
Wed. 5/08	108512	211062	285051		
Thu. 5/09	115563	211563	285429		
Fri. 5/10	121550	212246	285841		
Sat. 5/11	121550 acre feet x .001	212246 acre feet x .001	285841 acre feet x .001	78762 00 (out of service)	Friday reading 05/10
Sun. 5/12	121550	212246	285841		
Mon. 5/13	127888	212768	286177		
Tue. 5/14	132708	213062	286428		
Wed. 5/15	132714	213607	286717		
Thu. 5/16	132714	214084	287071		
Fri. 5/17	132714	214573	287296		
Sat. 5/18	132714 acre feet x .001	214573 acre feet x .001	287296 acre feet x .001	78762 00 (out of service)	Friday reading 05/17
Sun. 5/19	132714	214573	287296		
Mon. 5/20	132714	215024	287494		
Tue. 5/21	132714	215420	287600		
Wed. 5/22	132716	216074	287870		
Thu. 5/23	132716	216659	288165		
Fri. 5/24	132718	217090	288388		
Sat. 5/25	132718 acre feet x .001	217090 acre feet x .001	288388 acre feet x .001	78762 00 (out of service)	Friday reading 05/24
Sun. 5/26	132718	217090	288388		
Mon. 5/27	132718	217090	288388		
Tue. 5/28	132718	217695	288600		
Wed. 5/29	135501	218242	288848		
Thu. 5/30	138273	218750	288964		
Fri. 5/31	138914	219121	289037		