

## DOCKETED

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

**Genesis Solar, LLC**

## **Monthly Compliance Report #35 September 2013**

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

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**Miscellaneous Documents (Water Usage Log, Submittals, and Correspondence)**

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 September, 2013.

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

- Continued New Employee site specific Safety Training and Worker's Environmental Awareness Training.
- Header installation continued in Unit 1.
- Installation of conduit and pulling cable continued in panel areas.
- Hydro testing of GSU #1 was completed
- Prepping for hydro lasing activities commenced in Unit 1.
- Unit 1 Fire Protection Installation continued.

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.

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Date	To	Condition	Subject
9/20/13	CEC	COM-06	August MCR
9/24/13	CEC	TSE-7	CAISO Notification of Initial Synchronization

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**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 (AQCOMM) 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 (AQCOMM): 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 AQCOMM is unavailable.

No new applications were submitted in September 2013.

#### **AQ-SC3: Construction Fugitive Dust Control; AQCOMM 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 AQCOMM 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 September, 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 6:15 AM to 6:30PM and 25 mph posted for the night hours in the month of Septmeber.
- 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 September.

#### **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 September, 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 September 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 September. 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 September, the total number of personnel who received the Construction Worker Environmental Awareness Training was 93. The number of personnel who have received the training to date is 4228. 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 September.

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.

Placement of steel plates covering the Exclusion zones associated with cultural resource locations occurred on June 27, 2013. The zones 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.

No issues in the month of September.

**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 September.

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 were submitted in the May MCR. No other permits received in the month of September.

**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 4 first aids and 2 recordable injuries in the month of September.

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.

2 Invoices, in the combined amount of \$421,799.88, were paid to the CBO during the month of September.

**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 September.

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 September.

**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 September.

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.

No filings during the month of September.

See Appendix G

**COMPLIANCE-13 – Post Certification Amendments**

No Amendments submitted/approved for the month of September.

## **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
13	CEC		x		AQ-SC7	Dust Control Plan - Construction	Submit Operations Dust Control Plan.	Operations	> 30d pt operation		10/01/13		CEC Approved 110110
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 absorbtion system	Submit a monitoring and change-out plan for the system.	McCord	pt initial start up		08/01/12		CEC Approval
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	submitted to the CEC on 5/08/13	Approved by the CEC on 5/30/13
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	MDAQMD approval on 5/29/13 and CEC approval on 5/30/13
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	MDAQMD approval on 5/29/13 and CEC approval on 5/30/13
41	CEC		x		AQ-13	HTF Ullage/Exp. Tanks - Compliance Testing Plan and Reporting	Notify <u>District</u> and <u>CPM</u> prior to testing.	Operations	10d prior to test	09/03/13	09/08/13		Notified MDAQMD and CEC of Vent test on 09/04/13
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 <u>CPM</u> for review.	Operations	30d prior to test	03/12/13	03/26/13	Submitted to the CEC and AQMD on 6/21/13	Approved by the CEC on 7/29/13. Approved by MDAQMD on 8/05/13
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
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
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	Approved by the CEC on 7/26/13
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
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	Approved by the CEC on 7/25/13
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	Approved by the CEC on 7/31/13
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			Notified and submitted Test Notification form to the MDAQMD on 7/3/13 via email	Completed
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

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Internal Due Date	Date Final Due	Date Submitted to Agency	Agency Status
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
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

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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, complete implementation within 2yrs of start of construction.	Tetra Tech	< 24m after start of construction		01/05/13		N/A- Distribution Study not implemented
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
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, submit draft and final study study within 24m and 30m after gd, respectively.	Tetra Tech	< 24m after start of gd		01/05/13		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

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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: CNDDB 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 1/25/13 North Pond
251	CEC			x	BIO-21	Evaporation Pond Netting and Monitoring	Submit as-built drawings and photos of evap ponds	McCord	> 30d pt operation		10/01/13	2/19/2013 Comp Log # 2013-10	CEC Approval on 3/18/13 South Pond
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
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
281	CEC		x		BIO-27	Couch's Spadefoot Toad Impact Avoidance and Minimization Measures	If ponds are created, provide as-built drawings and photos.	Tetra Tech	> 90d pt operation		08/02/13	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

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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 geoarchaeologist.	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	Geoarchaeologist 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
336	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 CPM 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
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					complete
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		Complete
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		Complete



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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	Complete
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
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	Approved by the CEC on 6/19/13
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
384	CEC			x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Submit documentation of mitigation to well owners.	Worley Parsons	< 60d after start of operation		12/30/13		
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	Complete
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	Complete
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		Complete
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		Complete
409	CEC		x		Soil & Water-4	Project GW Wells, Pre-Well Installation	Submit documentation that drilling was conducted in compliance with 23 CCR, sections 2510 et seq.	Fluor	< 15d after GW well completion		07/16/11		Complete
411	CEC		x		Soil & Water-4	Project GW Wells, Pre-Well Installation	Submit a Well Completion Report. Concurrently, submit a copy of well drilling logs, water quality analyses, and any inspection reports.	Fluor	< 60d after GW well construction		08/29/11		Complete
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	Complete
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	Complete
422	CEC		x		Soil & Water-7	Septic System and Leach Field Reqs	Submit engineering report on the septic system and leach field design, operation, maintenance, and loading impact to groundwater to County. Submit County's assessment of compliance.	McCord	> 30d pt start of operations		10/01/13	Submitted to the CEC on 8/2/13	Approved by the CEC on 9/10/13
423	CEC	x			Soil & Water-8	Revised Project Drainage Report and Plans	Submit a Revised Project Drainage Report with the 30 percent Grading and Drainage Plans.	Fluor	> 60d pt site mobilization (plant)		04/02/11	Prelim 3/9/11 Draft 3/22/11	Complete
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	Complete
425	CEC		x		Soil & Water-10	Collector and Conveyance Channel Compliance with RCFCWCD	Submit two copies of the 30 percent channel design drawings.	Fluor	> 60d pt site mobilization (plant)		04/02/11	Prelim 3/9/11	Complete
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	Complete
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	Complete

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Internal Due Date	Date Final Due	Date Submitted to Agency	Agency Status
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	Complete
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		Complete
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
505	CEC	x	x	x	WASTE-6	Haz Waste Generator Identification Number	Obtain a hazardous waste generator identification number from USEPA prior to generating any hazardous waste. Retain a copy onsite.	Gavaldon	pt generating haz waste		10/31/13	MAY 2012 MCR and Formal Sub on 2/19/13	CEC Approval on 03/23/13
510	CEC		x		WASTE-9	Operation Waste Management Plan	Submit any required revisions of Ops Waste Plan.	Operations	< 20d of notification from CPM			Submitted to the CEC on 7/25/13	Approved by the CEC on 8/29/13
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
518	CEC		x		Worker Safety-1	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 by the RCFD 12/05/10, Approved by the CEC on 1/14/11
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		Complete

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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/ Tl 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		Complete
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	Complete
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	Complete
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
596A	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. <b>FOR UNIT 1</b>	McCord	upon installation				UNIT 1
596C	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. <b>COMMON AREA</b>	McCord	upon installation				COMMON AREA

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Internal Due Date	Date Final Due	Date Submitted to Agency	Agency Status
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	Comment received by CEC Staff on 6/10/13. Waiting on additions from Ops
91	CEC			x	AQ-46	Gas tank and pump - initial and annual testing	Submit results of pressure checks.	Operations	< 30d after test	08/08/13	08/13/13	Submitted to CEC and MDAQMD on 8/02/13	Awaiting Approval from CEC and MDAQMD
432	CEC		x		Soil & Water-13	Channel Maintenance Program	Submit two copies a Channel Maintenance Program.	Gavaldon	> 60d pt start of project related activity				Submitted to the CEC on 10/01/13
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				
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				Unit 2 and Common Area Approved
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	items in bold still outstanding
594A	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. <b>FOR UNIT 1</b>	McCord	> 30d pt installation				UNIT 1
594B	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. <b>FOR UNIT 2</b>	McCord	> 30d pt installation				UNIT 2
594C	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. <b>FOR COMMON AREA</b>	McCord	> 30d pt installation				COMMON AREA
596B	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. <b>FOR UNIT 2</b>	McCord	upon installation				UNIT 2
597A	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. <b>FOR UNIT 1</b>	BV	Ongoing				UNIT 1
597B	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. <b>FOR UNIT 2</b>	BV	Ongoing				UNIT 2
597C	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. <b>FOR COMMON AREA</b>	BV	Ongoing				COMMON AREA
12	CEC			x	AQ-SC6	Fleet Plan for operations vehicles	Submit to the CPM a Fleet Plan for vehicles dedicated to mirror washing and maintenance activities.	NEE	> 30d pt operation	09/18/13	10/02/13		
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	03/01/14	04/30/14		
25	CEC		x		AQ-6	Initial MDAQMD Compliance Test - NG boilers	Notify agencies within fifteen working days before the initial MDAQMD compliance test.	Gavaldon	< 15d prior to test	09/13/13	09/23/13		
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	Approved by the CEC on 5/10/13. resubmittal on 7/2/13 to the RCEHD. Received comments from Brad Ballen working on final edits
377	CEC			x	NOISE-4	Occupational Noise Survey	Conduct an occupational noise survey.	Operations	following first sustained output of 90%				
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				Submitted to the CEC on 10/01/13
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	
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.		> 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.		> 30d pt start of each increment of construction				

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Internal Due Date	Date Final Due	Date Submitted to Agency	Agency Status
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				Split into increments
11B	CEC			x	AQ-SC6	Fleet Plan for operations vehicles	Submit to the CPM a copy of the plan that identifies the size and type of the on-site vehicle and equipment fleet and the vehicle and equipment purchase orders and contracts and/or purchase schedule	Operations	30 days prior to operation	09/02/13	10/02/13		
477B	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. <b>UNIT 2</b>	Gavaldon	upon completion of installation				
477C	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. <b>COMMON AREA</b>	Gavaldon	upon completion of installation				
40	CEC		x		AQ-13	HTF Ullage/Exp. Tanks - Compliance Testing Plan and Reporting	Submit a report of test results to the District.	McCord	< 45d after test	10/18/13	11/02/13		
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		
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		



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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					
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	
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				
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		
15	CEC		x	x	AQ-SC7	Dust Control Plan - Operations	Submit report identifying locations of all speed limit signs, and a copy of the training manual.	Operations	< 60d after start of operation	12/10/13	12/31/13		
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				
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				
34	CEC			x	AQ-10	HTF Ullage/Exp. Tanks - Carbon absorption 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				
43	CEC			x	AQ-13	HTF Ullage/Exp. Tanks - Compliance Testing Plan and Reporting	Submit to the District a compliance test protocol.	Operations	< 60d after initial start up		12/30/13		
44	CEC			x	AQ-14	HTF Ullage/Exp. Tanks - Initial MDAQMD Compliance Testing and Reporting	Perform initial compliance tests in accordance with the MDAQMD Compliance Test Procedural Manual. Submit test report.	Operations	< 180d after initial start up		04/30/14		

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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 ( <i>see full text</i> ).	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				
56B	CEC			x	AQ-21	Drift Eliminator Monitoring and Reporting - Cooling Towers	Perform weekly conductivity tests of the blow down water. Provide to the District, ARB and the CEC.						
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 restrictions - 315 HP fire pump engines	Limit use for emergency power. Operate < 50hrs/yr for testing.	Operations	Ongoing				
80	CEC			x	AQ-39	Operations and Maintenance log - 315 HP fire pump engines	Maintain an operations log for this unit current and on-site, for three years.	Operations	3 yrs after start of operations		10/31/16		
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				
86	CEC			x	AQ-43	Gas tank and pump - inspection and maintenance records	Maintain an inspection, repair and maintenance log onsite for at least two years.	Operations	2 yrs after start of operations		11/01/15		
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				
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
93	CEC			x	AQ-46	Gas tank and pump - initial and annual testing	Make test results available to CPM upon request.	Operations	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				
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				
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				
118	CEC			x	BIO-6	Worker Environmental Awareness Program (WEAP)	Keep signed training forms on site for >6m after start of operations and 6m after staff dismissal.	Operations	> 6m Operations		11/01/13		
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				
121	CEC	x		x	BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Conduct Aerial Surveys and submit pre-const. photos for review	Holt	after construction completion		05/06/13	10-Jan-11	pending
122	CEC			x	BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Construction disturbance verification - submit post-construction aerial images of the project site.	Holt	< 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				
146	CEC			x	BIO-11	Desert Tortoise Compliance Verification	Submit a Final Listed Species Mitigation Report.	AECOM	< 45d after initial start up		12/15/13		
147	CEC		x		BIO-11	Desert Tortoise Compliance Verification	Des. Bio to conduct compliance inspections at least once per month after grading is completed.	German	Monthly		Monthly		



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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		
163	CEC			x	BIO-13	Raven Management Plan	Submit a status report of the Raven Management Plan implementation.	German	< 30d after start of operation	11/16/13	12/01/13		
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				
170	CEC			x	BIO-14	Weed Management Plan	Submit a status report of Weed Management Plan implementation.	Alice Karl	< 30d after start of operation	11/16/13	12/01/13		
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				
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				
197	CEC			x	BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	Submit a Construction Termination Report identifying status of owl mitigation.	AECOM	< 30d Start of Operations		11/30/13		
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				

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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				
298	CEC	x	x		CUL-3	Cultural Resources Personnel	Submit letter with names and quals of additional 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 win 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				
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				

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Internal Due Date	Date Final Due	Date Submitted to Agency	Agency Status
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				
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				
418	CEC		x	x	Soil & Water-6	Waste Discharge Requirements	Submit compliance documentation for the WDRs in Appendices B, C, and D.	Worley Parsons	< 60d pt waste discharge		09/02/13		
419	CEC		x	x	Soil & Water-6	Waste Discharge Requirements	Submit annual waste discharge permit fee associated with this facility to the Water Boards	Worley Parsons					
419	CEC		x	x	Soil & Water-6	Waste Discharge Requirements	Submit (for rev and approve) any change to the design, construction, or operation of the evaporation basins, treatment units, or associated storm water system pt initiating changes.	Worley Parsons	pt initiating changes				
420	CEC		x	x	Soil & Water-6	Waste Discharge Requirements	Submit all monitoring reports required by the WDRs and details of any nonconformance.	Worley Parsons	Ongoing				
427	CEC		x		Soil & Water-12	Non-Transient Non-Community Water System	Obtain a permit to operate a non-transient, non-community water system with the County Potable Water	McCord	> 60d pt operation		09/01/13		Michelle from WP working with Riverside County for permits
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				

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Internal Due Date	Date Final Due	Date Submitted to Agency	Agency Status
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 on-site 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 (Tline)	Construct Tline in accordance with CA PUC's req's, California Code of Regulations, and Southern California Edison's EMF reduction guidelines.	Watson	Ongoing				
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 Tline ROW free of combustible material.	Operations	Ongoing				
474	CEC		x		TLSN-4	Metallic Object Grounding in ROW	Submit compliance documentation.	Gavaldon	> 30d pt energization		08/09/13		
475	CEC		x		TLSN-4	Metallic Object Grounding in ROW	Ensure all permanent metallic objects within the Tline ROW are grounded.	Watson	Ongoing				
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				
481	CEC		x		VIS-2	Temporary and Permanent Exterior Lighting	Notify CPM that permanent lighting is installed and ready for inspection.	Gavaldon	pt operation		10/31/13		
482	CEC		x		VIS-2	Temporary and Permanent Exterior Lighting	Prior to Commercial Operation, notify CPM that lighting is Complete and ready for inspection. UNIT 1	Gavaldon	prior to commercial operation		09/02/13		
482	CEC		x		VIS-2	Temporary and Permanent Exterior Lighting	Prior to Commercial Operation, notify CPM that lighting is Complete and ready for inspection. UNIT 2	Gavaldon	prior to commercial operation				
482	CEC		x		VIS-2	Temporary and Permanent Exterior Lighting	Prior to Commercial Operation, notify CPM that lighting is Complete and ready for inspection. COMMON AREA	Gavaldon	prior to commercial operation				
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	Tline setback from I-10	DELETED						
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				
492	CEC		x		VIS-4	Reflective Glare Mitigation	Submit a fencing plan describing mitigation for off-site glare.	McCord	> 90d pt fence construction		07/24/13		
493	CEC		x		VIS-5	Visual Mitigation and Re-vegetation of Staging Area	Submit a revegetation plan for the staging area.	Karl	> 60d pt operation	08/12/13	09/02/13		
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				
509	CEC		x		WASTE-9	Operation Waste Management Plan	Submit the Operation Waste Management Plan.	Operations	> 30d pt operation		10/01/13		
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				

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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				
533	CEC		x		Worker Safety-9	Riv Co Fire Dept Joint Training Exercises	Submit verification that a joint training program with the RCFD is established.	Operations	> 10d pt commissioning		10/21/13		
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				
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		
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	BV	< 30d completion of drainage work				
576	CEC		x		STRUC-1	CBO Submittals - Major Structure or Facility design Component, Statement of Submittal	control and drainage work, the project owner shall obtain the CBO's	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					
593	CEC		x		MECH-2	CBO and Cal-OSHA Submittal - Pressure Vessel	Submit code certification papers and other documents for all pressure vessels installed in the plant required by applicable LORS.	BV	pt operation		10/31/13		
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				
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				
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				

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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				
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				
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				



#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Internal Due Date	Date Final Due	Date Submitted to Agency	Agency Status
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		
639	CEC			x	TSE-7	ISO Notification	Submit telephone notification to the California ISO Outage Coordination Department	Operations	> 1d pt synchronizaiton		09/07/13		
640	CEC			x	TSE-7	ISO Notification	Submit to the California ISO a letter stating the proposed date of synchronization.	Operations	> 7d pt synchronizaiton		09/01/13		
641	CEC			x	TSE-7	ISO Notification	Submit a report of conversation with the California ISO.	Operations	> 1d pt synchronizaiton		09/07/13		
642	CEC			x	TSE-8	Code Compliance	Submit: a) "As built" engineering description(s) and one-line drawings of the electrical portion of the facilities signed and sealed by the registered electrical engineer in responsible charge. A statement attesting to conformance with codes and standards shall be provided concurrently. b) An "as built" engineering description of the mechanical, structural, and civil portion of the transmission facilities signed and sealed by the registered engineer in responsible charge or acceptable alternative verification. Retain "As built" drawings at the power plant and make available, if requested, for CPM audit as set forth in the "Compliance Monitoring Plan". c) A summary of inspections of the completed transmission facilities, and identification of any nonconforming work and corrective actions taken, signed and sealed by the registered engineer in charge.	Operations	< 60d after first synchronization		11/07/13		
643	CEC		x	x	TSE-8	Code Compliance	In case of non-conformance of Tline construction or operation, notify CPM and CBO and describe the corrective actions to be taken.	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				
421A	CEC			x	Soil & Water-7	Septic System and Leach Field Reqs	Comply with County and State regs for sanitary waste disposal facilities.	Operations	Ongoing				
421B	CEC			x	Soil & Water-7	Septic System and Leach Field Reqs	Project Owner shall submit necessary information and fee to the County of Riverside. Written assessment Riverside County shall be submitted to the CPM for review and approval	Operations	30 days prior to operation				
477A	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. <b>UNIT 1</b>	Gavaldon	upon completion of installation				
					AQ-8		See AQ-9						
					Gen 2		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
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	CAT0420EEPRA00367	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	5/6/2013
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	
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	5/8/2013
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	6/17/2013
10K Shooting Boom Forklift	454967	SKYTRAK	XB3W68	NA	0160046153	2012	100	4I	BPC	Sunbelt Rental	8/28/2012	
100KW Diesel Generator	475209	MQ POWER	132956	7/31/2015	7800205	2011	166	3	BPC	Sunbelt Rental	8/3/2012	8/6/2013
45 Ton TEREX Crane	BE4512	RT345-1XL	MT8A46	7/31/2015	160952	2012	160	4	BPC	Carde Pacific	9/3/2012	
60' Art Manlift	240647	JLG	N/A	N/A	300134002	2009	82	3	BPC	Sunbelt Rental	9/28/2012	
56KW Generator	119856	MQ POWER	135311	1/31/2013	8800877	2011	90	3	BPC	Sunbelt Rental	10/10/2012	
56KW Generator	119866	MQ POWER	135313	1/31/2013	8800886	2011	90	3	BPC	Sunbelt Rental	10/10/2012	
56KW Generator	467640	MQ POWER	159017	20150731	8802292	2011	98	3	BPC	Sunbelt Rental	10/10/2012	
3394RT Scissor Lift	247011	JLG	N/A	N/A	0200191193	N/A	82	3	BPC	Sunbelt Rental	10/10/2012	
3394RT Scissor Lift	249299	JLG	N/A	N/A	0200191618	N/A	82	3	BPC	Sunbelt Rental	10/11/2012	
3394RT Scissor Lift	248357	JLG	N/A	N/A	0200190911	N/A	82	3	BPC	Sunbelt Rental	10/19/2012	

# 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
56KW Generator	494444	MQ POWER	159997	20150831	7352686	2012	98	4I	BPC	Sunbelt Rental	10/11/2012	
100KW Diesel Generator	113625	MQ POWER	134361	8/31/2015	8500589	2012	123	4	BPC	Sunbelt Rental	10/11/2012	
56KW Generator	467644	MQ POWER	159018	20150731	8802310	2011	98	3	BPC	Sunbelt Rental	10/11/2012	
3394RT Scissor Lift	178912	JLG	N/A	N/A	0200173593	N/A	82	3	BPC	Sunbelt Rental	10/30/2012	
10K Sky Trac	456904	SKYTRAK	HA9T99	NA	160046127	2012	110	3	BPC	Sunbelt	10/8/12	
10k 55' Boom Forklift	381627	SKYTRAK	VR8X43	NA	0160035426	2008	110	3	BPC	Sunbelt	1/2/13	
10k 55' Boom Forklift	381624	SKYTRAK	FK7D56	NA	0160034918	2008	110	3	BPC	Sunbelt	1/2/13	6/10/2013
10K 55' Shooting Boom Forklift	510424	SKYTRAK	BH4V73	NA	160049877	2011	110	3	BPC	Sunbelt	1/7/13	
10K SKY TRAC 10054	381625	SKYTRAK	TW7C45	NA	0160035842	2008	110	3	BPC	SUNBELT	4/25/12	
Hyster Staight Mast Cap 18,000	07-790	Hyster	EJ7J49	NA	H007E01776E	2007	155	3	BPC	Sunbelt		
Hyster Staight Mast Cap 18,000	03-244	Hyster	PH6H86	NA	G019E02241F	2008	155	3	BPC	Sunbelt		
10K 55' Shooting Boom Forklift	225991	SKYTRAK	WJ6A97	NA	0160036122	2008	110	3	BPC	Sunbelt	1/7/13	4/17/2013
10K 55' Shooting Boom Forklift	510425	SKYTRAK	ER5X38	NA	0160049879	2012	110	4I	BPC	Sunbelt		
10K 55' Shooting Boom Forklift	381615	SKYTRAK	TU7C34	NA	0160034092	2008	110	3	BPC	Sunbelt	11/23/12	
10k 55' Boom Forklift	440445	SKYTRAK	JN5W34	NA	0160045838	2012	110	4I	BPC	Sunbelt	1/28/13	5/6/2013
10K Sky Trac 10054	460412	SKYTRAK	SC7C56	NA	0160046155	2011	109.9	3	BPC	Sunbelt	12/17/12	5/31/2013
40' Elect Manlift Narrow Jib	480303	JLG	ELECTRIC	NA	0300099609	ELECTRIC	ELECTRIC	3	BPC	Sunbelt	3/1/13	5/22/2013
12K 55' Shoting Boom Forklift	446816	SKYTRAK	MT5B35	NA	0160045916	2012	130	4I	BPC	Sunbelt	4/19/13	
10k 55' Boom Forklift	381624	SKYTRAK	FK7D56	NA	0160034918	2008	110	3	BPC	Sunbelt	4/23/13	
30-33' RT SCISSOR 4WD DF	183258	JLG	pllicable. Dual fuel unit.	NA	125606	2011	67	4I		Sunbelt	5/17/13	
4400LB 16' SHOOTING BOOM FORK	187863	JCB	LE9F58	NA	U538865V	2011	83	3		Sunbelt	5/7/13	6/10/2013
4400LB 16' SHOOTING BOOM FORK	232894	JCB	TE9P76	NA	46904990	2008	82	3		Sunbelt	5/7/13	
10,000LB 55' SHOOTING BOOM FORK	381629	SKYTRAK	WW9J44	NA	46904990	2008	82	3		Sunbelt	5/7/13	

**Genesis Solar Energy Project  
Master Equipment List**

Equipment Type	Brand /Model	Registration Number	Expiration Date	Serial Number	Engine Year	Horsepower	Tier Rating	Contractor	Rental Company	Mobilization Date	Demobilization Date	Notes
Drive Engine	CAT C7 Acert	148483	8/31/2013	NA	NA	NA	III	SouthWest Drilling	SouthWest Drilling	(Recorded 9/20/2011)	10/1/2011	Removed from site.
Drive Engine	CAT C7 Acert	148484	8/31/2013	NA	NA	NA	III	SouthWest Drilling	SouthWest Drilling	(Recorded 9/20/2011)	10/1/2011	Removed from site.
Air Compressor	Atlas Copco	152484	8/31/2013	JPEC-0005	NA	NA	III	SouthWest Drilling	CAT/Johnson	(Recorded 9/20/2011)	10/1/2011	Removed from site.
Engine	DDC Diesel	130415	3/31/2014	NA	NA	NA	III	SouthWest Drilling	ARB Portable Equipment	(Recorded 9/20/2011)	10/1/2011	Removed from site.
Sweeper	Broce Broom	VH3U58	NA	807664	2010	84	III	Sukut	RSC	(Recorded 9/20/2011)		
Dozer	CAT 834B	CS8P98	NA	34-07	2007	475	III	Sukut	Sukut	9/19/2011	3/22/2012	
Dozer	CAT 824C	YA9K67	NA	24-12	2007	354	III	Sukut	Sukut	9/29/2011	8/2/2013	
Motor Grader	CAT 16G	SC5M77	NA	2801-16	2009	297	III	Sukut	Sukut	10/6/2011	8/2/2013	
Scraper	CAT 657	PC8Y97/HB3 G78	NA	57-21	2007	600	III	Sukut	Sukut	(Recorded 9/20/2011)	4/9/2012	Removed from site
Backhoe	CAT 692	KK7C43	NA	430-D	NA	NA	III	SouthWest Drilling	SouthWest Drilling	(Recorded 9/20/2011)	10/1/2011	Removed from site.
Motor Grader	CAT 140H	UN7F66	NA	4068	NA	NA	III	Sukut	Miller Blades	(Recorded 9/20/2011)	9/23/2011	Removed from site.
Scraper	CAT 657	TH4G47/UK3 K99	NA	57-22	2010	440	III	Sukut	Sukut	9/28/2011	4/20/2012	Removed from site
Scraper	CAT 657	XK3J33/GP8T 95	NA	57-60	2007	440	III	Sukut	Sukut	9/28/2011	4/11/2012	Removed from site
Scraper	CAT 657	DF9C83/DG6 M34	NA	57-66	2006	600	III	Sukut	Sukut	9/28/2011	4/12/2012	Removed from site
Scraper	CAT 657	VT6M63/FJ6T 95	NA	57-63	2006	440	III	Sukut	Sukut	9/29/2011	4/20/2012	Removed from site
Scraper	CAT 657	RX8U86/NP6 Y75	NA	57-33	2007	440	III	Sukut	Sukut	9/29/2011	4/10/2012	Removed from site
Scraper	CAT 657	AF3R99/AN5 G44	NA	57-28	2010	440	III	Sukut	Sukut	9/30/2011	4/13/2012	Removed from site
Scraper	CAT 657	CWSY75/GJ9 T48	NA	57-29	2010	440	III	Sukut	Sukut	10/4/2011	4/10/2012	Removed from site
Scraper	CAT 657	KG5B54/SG3 N43	NA	57-64	2010	440	III	Sukut	Sukut	10/4/2011	7/26/2013	
Water Wagon	CAT 651	CF4M43	NA	51-83	2006	540	III	Sukut	Sukut	9/29/2011	4/4/2012	
Skiploader	John Deere	NA	NA	NA	NA	NA	III	Sukut	Sukut	9/19/2011	9/28/2011	Used less than 10 days onsite.
Skiploader	CAT 414E	HFSK47	NA	NA	2007	93	III	Sukut	Johnson	7/25/2013		
Skiploader	CAT 414E	AR9L48	NA	NA	2007	93	III	Sukut	Johnson	8/2/2013		
Backhoe	CAT 420F	SU4H75			2010	92	III	Sukut	Johnson	8/5/2013		
Scraper	CAT 623	XE5H67	NA	NA	1985	350	III	Sukut	Sukut	9/28/2011		
Motor Grader 16G	CAT 16G	HK8W79	NA	NA	2009	298	III	Sukut	Miller Blades	9/19/2011	8/2/2013	
Dozer	CAT D9T	EV5K99	NA	90-34	2005	410	III	Sukut	Sukut	9/28/2011	3/8/2012	
Skiploader	CAT 414E	CL7M35	NA	NA	2007	78	III	Sukut	Sukut	9/27/2011	10/7/2011	Removed from site
Generator	Atlas Copco QAS-30	645888	NA	645888	NA	NA	NA	Sukut	RSC	(Recorded 9/20/2011)	10/1/2011	Removed from site
Generator	Airman -SDG60S	1473A20166	NA	689	NA	NA	NA	SouthWest Drilling	SouthWest Drilling	(Recorded 9/20/2011)	10/1/2011	Removed from site

**Genesis Solar Energy Project**  
**Master Equipment List**

Equipment Type	Brand /Model	Registration Number	Expiration Date	Serial Number	Engine Year	Horsepower	Tier Rating	Contractor	Rental Company	Mobilization Date	Demobilization Date	Notes
Generator	Kohler 400 Kw	138194	5/31/2013	403015	NA	99	III	Sukut	Kohler Rental	(Recorded 9/20/2011)		WI Lic. Plate 555501
Generator	MQ Power	147014	3/31/2012	1101821	NA	NA	III	SouthWest Drilling	United Rentals	(Recorded 9/20/2011)	10/1/2011	Removed from site
Generator	NA	148485	8/31/2013	NA	NA	NA	III	SouthWest Drilling	SouthWest Drilling	(Recorded 9/20/2011)	10/1/2011	removed from site
Generator	Kohler 400 Kw	138189	5/31/2013	403010	NA	99	III	Sukut	RSC	10/1/2011		
Generator	MQ Power 400 Kw	143594	5/31/2014	2263	NA	NA	III	Sukut	RSC	10/11/2011	1/30/2012	
Motor Grader	CAT 140H	LI6V63	NA	NA	NA	NA	III	Sukut	Miller Blades	10/17/2011	10/24/2011	
Scraper	CAT 613	FW6W46	NA	NA	NA	NA	III	Sukut	Miller Blades	10/17/2011	11/14/2011	
Backhoe	CAT 420E	GH8F30	NA	NA	NA	NA	III	Sukut	United Rentals	10/12/2011	8/2/2013	
Roller	BOMAG 177D	HV4A78	NA	NA	NA	NA	III	Sukut	United Rentals	10/20/2011	10/21/2011	
Motor Grader	CAT 16G	VX6L67	NA	NA	NA	NA	III	Sukut	Miller Blades	10/25/2011	8/2/2013	
Scraper	CAT 657	WN3G47/TP5 D95	NA	57-59	NA	440	III	Sukut	Sukut	10/25/2011	8/2/2013	
Scraper	CAT 657	VR9W59/DU 7M84	NA	57-41	NA	440	III	Sukut	Sukut	10/28/2011	8/2/2013	
Scraper	CAT 657	XG9N34/NY8 599	NA	57-40	NA	440	III	Sukut	Sukut	11/3/2011	4/10/2012	
Scraper	CAT 657	NX6E67/XF4 H83	NA	57-56	NA	440	III	Sukut	Sukut	11/3/2011	4/10/2012	
Skiploader	CAT 414E	KF6F93	NA	NA	2007	78	III	Sukut	Sukut	11/3/2011		
Water Pull	CAT	EINUN7B76	NA	NA	NA	NA	III	Sukut	Sukut	11/4/2011		
Scraper	CAT 657	LK5B78/PP9G 75	NA	57-41	NA	440	III	Sukut	Ren Trac	11/9/2011	4/12/2012	
Scraper	CAT 657	GW6L96/PG6 J43	NA	1265	NA	440	III	Sukut	Rent Trac	1/9/2012	8/16/2013	
Scraper	CAT 657	TP8386/4F55 38	NA	1257	NA	440	III	Sukut	Rent Trac	1/9/2012	8/16/2013	
Scraper	CAT 657	GT4449/T4G N36	NA	1229	NA	440	III	Sukut	Rent Trac	1/10/2012	8/22/2013	
Scraper	CAT 657	PD6T47/TM7 F56	NA	1248	NA	440	III	Sukut	Rent Trac	1/10/2012	8/1/2013	
Scraper	CAT 657	XC3E93/VX8L 63	NA	1355	NA	440	III	Sukut	Rent Trac	1/11/2012	8/22/2013	
Generator	70 Kw	140035	NA	701672	NA	NA	III	Sukut	RSC	11/15/2011	1/13/2012	
Motor Grader	CAT 140	TY7U66	NA	NA	209	185	III	Sukut	Johnson	8/22/2013		
Forklift	Hyster H360 HD	BE3X94	NA	NA	2010	55	III	Sukut	Johnson	8/22/2013		
Forklift	Skytrack JLG	NL5346	NA	NA	NA	NA	NA	Sukut	RSC	11/10/2011	3/26/2012	
Backhoe	JD 310	XK3X55	NA	NA	NA	NA	III	Sukut	RSC	11/30/2011	1/13/2012	
Skiploader	JD 210	NA	NA	NA	NA	NA	III	Sukut	RSC	11/12/2011	3/5/2012	
Water Wagon	CAT 651	FRX8T76/R43 TG49	NA	37-05	NA	NA	III	Sukut	Sukut	1/3/2012	4/6/2012	
Generator	500 Kw	139957	8/31/2013	55-500	NA	NA	III	Sukut	RSC	1/3/2012		

Genesis Solar Energy Project  
Master Equipment List

Equipment Type	Brand /Model	Registration Number	Expiration Date	Serial Number	Engine Year	Horsepower	Tier Rating	Contractor	Rental Company	Mobilization Date	Demobilization Date	Notes
Scraper	CAT 623	SF9V87	NA	1	2007	330	III	Sukut	Miller Blades	1/16/2012		

Genesis Solar Energy Project  
PMI Over 50hp Diesel Equipment List

9/20/2013

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	UN6D38	N/A	2251135	2001	450	II	Dielco Crane	N/A	7/2/12	8/16/13	Off Rent
Rough Terrain Crane	Link-Belt RTC 8090	HG4A49	N/A	N4J91247	2009	235	III	Dielco Crane	N/A	7/2/12	6/28/13	Off Rent
Rough Terrain Crane	Link-Belt RTC 8090	SX8S46	N/A	N4J79629	2007	275	III	Dielco Crane	N/A	8/17/12	9/6/13	Off Rent
Rough Terrain Crane	Grove RT 875E	WS9Y85	N/A	226419	2007	240	III	Dielco Crane	N/A	9/24/12	8/30/13	Off Rent
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	9/17/13	Off Rent
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			6dpn208	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	6/7/13	Off Rent
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	8/23/13	Off Rent
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	8/21/13	Off Rent
80' Articulating Boom	Genie/Z80-60	HT9R54	None	Z80123612	2012	74	4	PMI	KING EQUIP	9/10/12	8/21/13	Off Rent
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	1478810280	2011	97.9	III	PMI	Red-D-Arc	10/11/12		
65kva Generator	MMD PowerPro65	158402	5/31/2015	1478810284	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	8/21/13	Off Rent
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	6/28/13	Off Rent
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	9/20/13	Off Rent
Rough Terrain Crane	Link-Belt RTC 8090	WD7557	N/A	N4K33407	2013	275	IIII	Dielco Crane	N/A	3/5/13	9/20/13	Off Rent
125' Boom Lift	Genie/S125	SW4J67	None	S12512D-164	2012	74	T4i	PMI	KING EQUIP	3/11/13	3/28/13	Off Rent
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		
Truck Crane					2012	425	IIII	Dielco Crane	N/A	3/26/13		
70 KVA Generator	Himoinsa/HRJW75	159075	7/31/2015	121000547	2012	99	III	PMI	Hertz	3/27/13		

[illegible]

**Genesis Solar Energy Project  
NextEra Over 50hp Diesel Equipment List**

**9/20/2013**

Equipment Type	Brand/Model	CA ARB Registra- tion Number	Expira-tion Date	Vehicle Serial Number	Engine Year	Horsepower	Tier Rating	Contractor	Rental Company	Mobilizati on Date	Demob. Date	Notes
Generator	Cummins QST30-G	146014	4/30/15	37237258	2012	1490	2	Startup	Aggreko	8/6/13		Letter forthcom ing from the AQCM
Generator	Cummins QSX15- G9	160190	9/30/15	79568944	2012	755	3	Startup	Aggreko	8/9/13		
Generator	Cummins QSX15-GP	153945	1/3/14	79423473	2010	755	3	Startup	Aggreko	8/9/13		
Generator	Cummins QSB7G6	160550	11/30/15	22049219	2012	314	4i	Startup	Aggreko	8/9/13		
Generator	Cummins 6CTAA8.3-G5	134539	11/30/15	21694532	2006	299	2	Startup	Aggreko	8/9/13		Not being used. Waiting on replacem ent.
Generator	Cummins QSB7G6	160553	11/30/15	22049215	2012	314	4i	Startup	Aggreko	8/9/13		
Generator	Cummins QSM11-G2	143864	6/30/14	35198681	2007	363	3	Startup	Aggreko	8/9/13		
Generator	Cummins QSM11-G4	153938	3/31/14	35274624	2010	470	3	Startup	Aggreko	8/9/13		
Generator	Detroit 4000	134899	11/30/13	5262002049	2200	2200	3	Startup	Aggreko	8/9/13		



Generator	Detroit 4000	134900	11/30/15	5262002984	2010	2200	3	Startup	Aggreko	8/9/13		
Generator	Iveco NEF67 TMIX	151703	6/30/16	706628	2010	199	3	Startup	Aggreko	8/9/13		

## **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 SEPTEMBER 2013**



***Prepared for:***

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

***Prepared by:***

AECOM  
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September 2013



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### **ATTACHMENTS**

- 1 Figures
- 2 Species Observed During September Surveys and Monitoring
- 3 Daily Biological Monitoring Logs
- 4 Survey Data Forms
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## INTRODUCTION

AECOM biologists are performing biological resource construction monitoring for the Genesis Solar Energy Project (Project or GSEP) on behalf of Genesis Solar, LLC. The GSEP construction activities are currently focused on the Plant Site (approximately 1,727 acres), Temporary Desert Tortoise Exclusion Fence Removal, Gas Line testing, Transmission Line and Access Road completion. during the month of September. Surveys for the transmission line construction activities 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 September 2013. The following biological surveys and monitoring took place in September 2013:

- Weekly reconnaissance for ravens, focusing on potential subsidies; and, daily recording of raven sightings.
- Biological monitoring of the Plant Site, Gas Line, Access Road, and Transmission Line. SCE completion of Transmission line Structure F jumpers was coordinated by SCE and was not monitored by Genesis Biologists.
- Biological surveys completed for Transmission Line activation.
- 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.



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During September 2013, Project activities, with exception of a water spill that occurred on September 28, 2013, were in compliance with the COCs that apply to the construction activities. The spill was reported to BLM and the agency is conducting an investigation.

## SUMMARY OF ACTIVITIES

Weekly activities for the month consisted of:

- General Construction Monitoring
  - Monitored Plant Site – General site activities including powerblock one construction and powerblock two activation, mirror installation, piping and, laydown yard activities. All Plant Site construction activities occurred within the desert tortoise (DT) exclusion fencing. There were reports of foxes on site. Attempts to identify ingress and egress points are being made. There has been an emphasis on gate closures. No other special status species sightings were observed on site during the month of September. The temporary exclusion 6' high chain link fence installed in February 2013 around a pipe laydown to discourage fox use remained in place. The pipe within the laydown area has been removed and the area is monitored on an incidental basis. Neither DKF nor fox sign were observed within the temporary pipe laydown exclusion fence. Mirror fields were monitored as part of general site monitoring. Bird injuries and mortalities were reported and the information for each incident is summarized in Attachment 4. No DT, American badger (AB), Couch's spadefoot toad (CST), or nesting birds were detected during monitoring on site. Variance approved night time work continued on site. A biologist is not required to be on site during night time construction but is required to be on-call. Litter and uncovered dumpsters were brought to the attention of the compliance team and efforts were made to properly cover dumpsters and remove litter.
  - 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 September 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 were adjusted and continue to be in effect. (Genesis (09-AFC-08) GSEP PMI Night Work, VIS-2/BIO-8, CPM approval) The daytime (06:15 to 18:45) speed limit is 45 MPH. The nighttime (18:46 to 06:14) speed limit is 25 MPH. A one thousand foot 24 hour 25 MPH zone established along the west end of the paved access road in

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the vicinity of an active DKF den is still in effect. The activities involving earth moving equipment were completed during the previous month. Monitored access road completion activities outside of the tortoise exclusion fence. The ground beneath equipment parked outside the tortoise exclusionary fence was inspected for wildlife and the areas of construction were surveyed for sensitive species prior to construction activities. No sensitive species were found during access road installation activities during the month of September.

- Monitored gas line testing and call back activities outside of the tortoise exclusion fence. The ground beneath equipment parked outside the tortoise exclusionary fence was inspected for wildlife and the areas of construction were surveyed for sensitive species prior to construction activities. No sensitive species were found during gas line installation activities during the month of September.
- 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. There was water ponding that lasted more than one hour in the Powerblock One area. After discussion with compliance and management the cause of leak was remedied and the ponding water was mitigated. No impacts to biological resources were detected as a result of the spill. A separate water spill occurred on September 28, 2013 and was reported to BLM. The spill is being investigated by BLM. A discharge plan is in development for future water discharge events. Following notification to agencies by the Genesis compliance team, water is occasionally discharged into the Heat Transfer Fluid (HTF) pit. The water is then pumped from the HTF pit to the evaporation ponds. Compliance team agreements with the agencies included the use of netting, flagging and pumps at the HTF pit to reduce potential impacts to wildlife. These agreements have been reviewed with the compliance team.
- In accordance with conditions, if reportable spills of significant materials occurred, contaminated soils from spills and drips were reported to DB and cleaned up. The contaminated soil associated with HTF will be disposed of in accordance with the conditions at the onsite bioremediation area. No HTF leaks or contaminated soil were reported to the DB requiring agency

reporting. An HTF spill of less than 20 gallons was reported in Powerblock 2 on the east side of the structure at the secondary containment vessel. Cleanup and response was managed by the Genesis compliance team. No biological impacts were detected resulting from the spill.

- **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 (species: Sora) occurred in September 2013 associated with the evaporation pond netting. However, the remains of the May 2013 pied-billed grebe mortality (previously reported) were still present.

- **Exclusion Fence Monitoring**

- The permanent tortoise exclusion fence was inspected on a weekly basis. Areas of required repair and maintenance were reported to compliance.. The permanent fence with tortoise fencing and tortoise grates is intact and being used to exclude desert tortoise site access.
- Removal of the temporary exclusion fence was initiated in the month of September. Temporary exclusion fence removal activities were monitored. The ground beneath equipment parked outside the permanent tortoise exclusionary fence was inspected for wildlife and the areas of construction were surveyed for sensitive species prior to construction activities. No sensitive species were found during the fence removal activities during the month of September.

- **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

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

- Monitoring of ESAs
  - All construction activities, with the exception of, 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, gas line, and access road surveys are summarized upon completion and submitted to the agencies as required. Limited work occurred outside the fence in the month of September requiring surveys (surveys were only conducted for limited transmission line completion activities). 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 September 2013 are summarized below.

### **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 38 incidental raven sightings during 23 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. One raven was observed during the September 8 survey and zero ravens were observed during the September 19 survey. Zero ravens were observed during the previous monthly raven count surveys.

One raven nest was detected during May 2013 and is being monitored by the DB and/or BMs for sign of DT predation per the Raven Monitoring, Management, and Control Plan.

#### Avian Mortality Monitoring

Avian mortality monitoring is not required until the operations phase; however, incidental observations and reports to the DB and BMs of avian injuries and mortalities are recorded consistent with the Avian Protection Plan data collection requirements, and management of the incidents (mortalities and injuries) is coordinated with the both USFWS and CDFW.

### **WEED AND ESA MONITORING**

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. The FONSI and DR were signed by the Field Office on August 13, 2013 and provided to the Genesis Compliance team in September 2013. The final signed PUPs are pending signature by the State as of September 2013. 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.

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<sup>1</sup>There were approximately 71 incidental raven sightings in August 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.

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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. Permanent employees are also subject to annual WEAP training. All personnel reporting to the field in September 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.

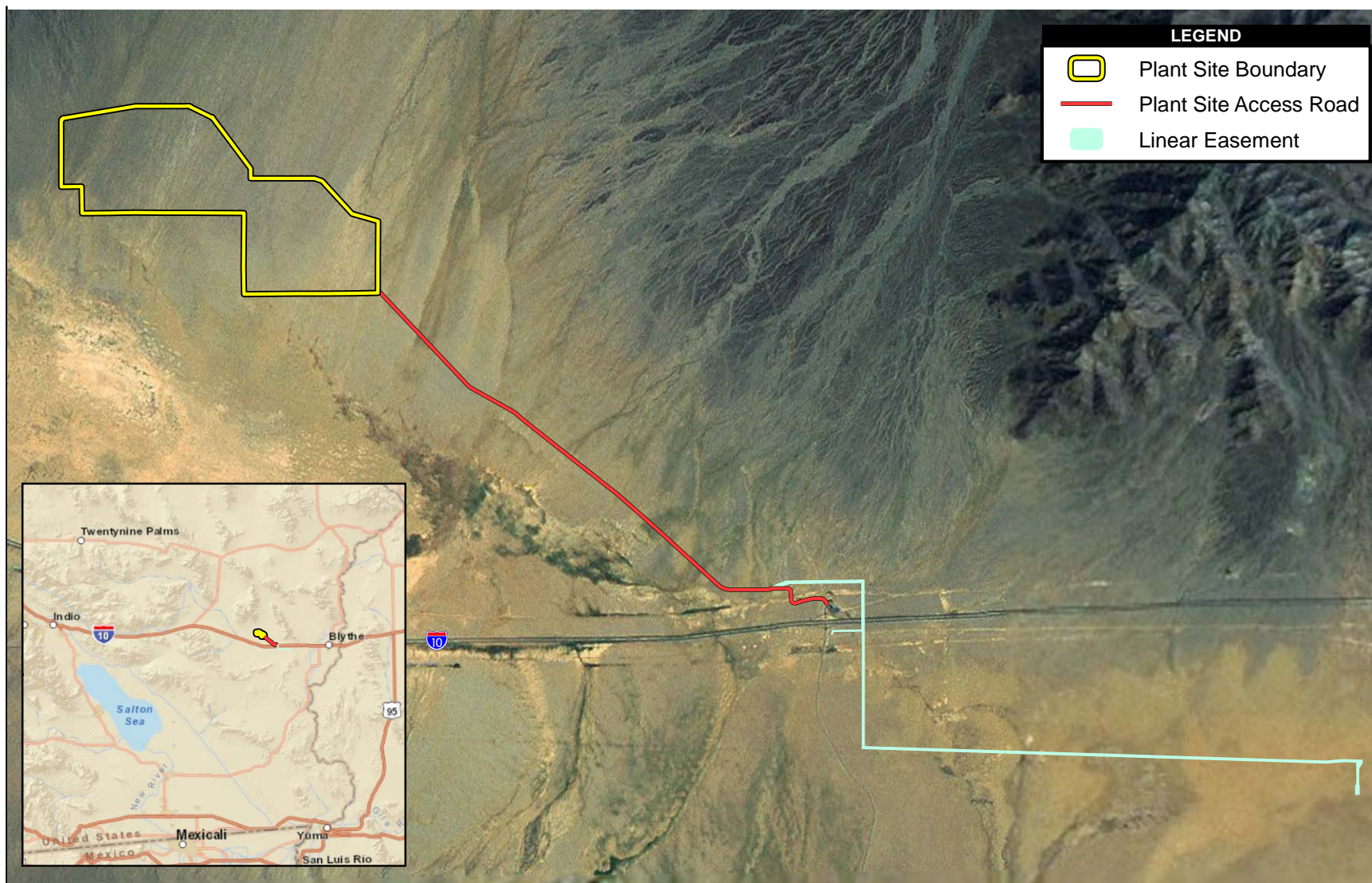







## **ATTACHMENT 1**

### **FIGURES**





LEGEND	
	Plant Site Boundary
	Plant Site Access Road
	Linear Easement

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



7,500                      0                      7,500 Feet

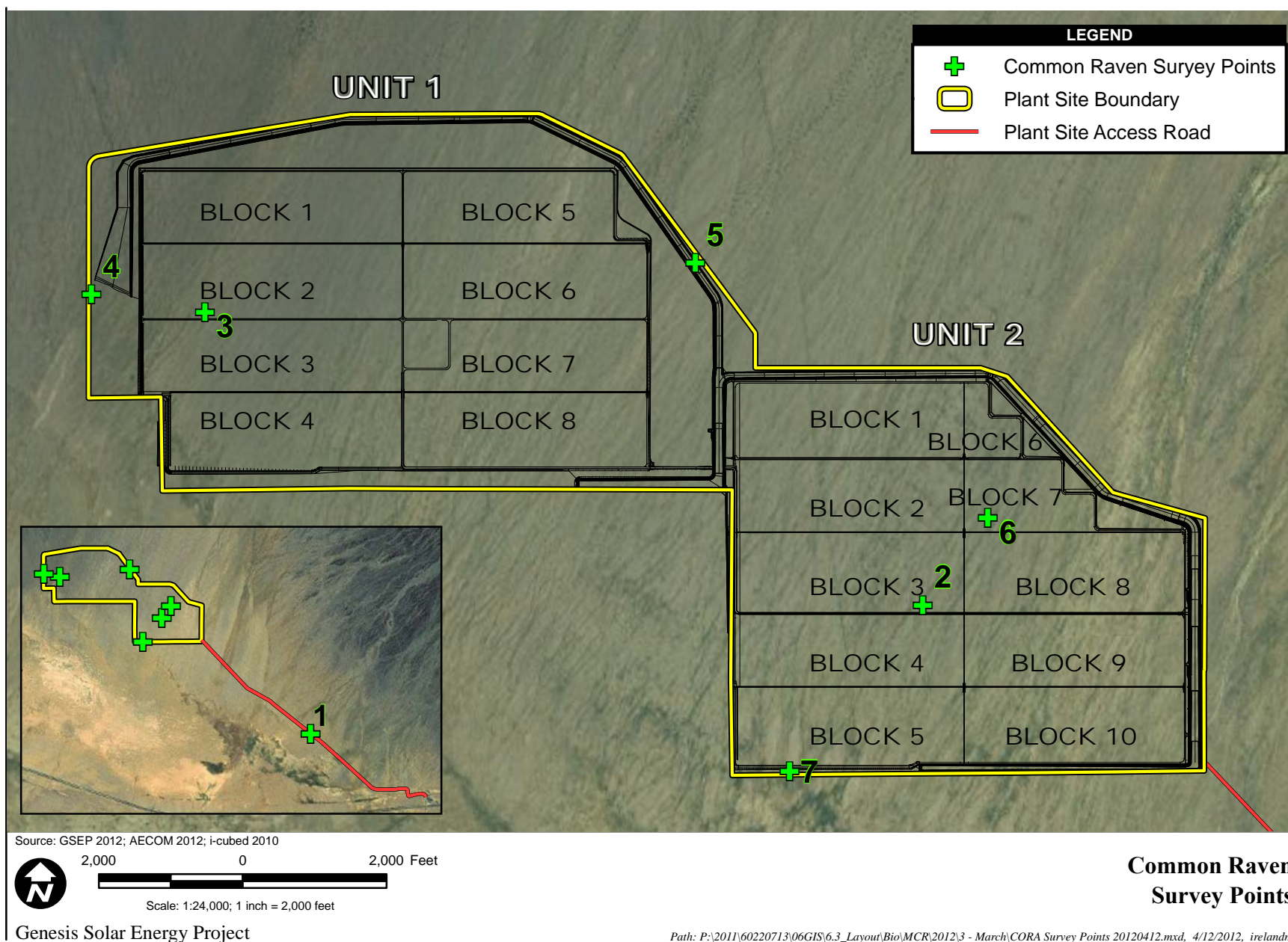


Scale: 1:90,000; 1 inch = 7,500 feet

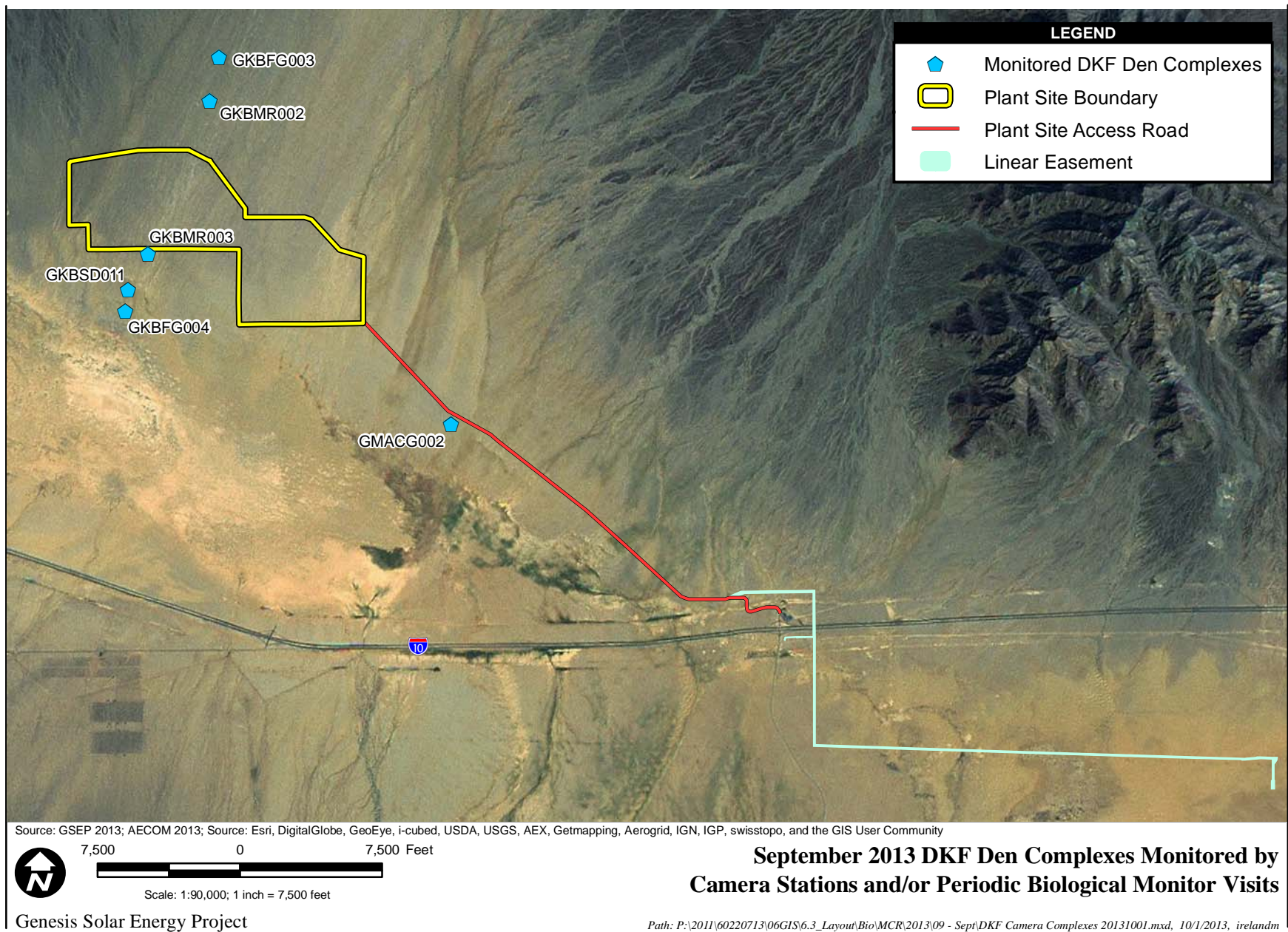
## Genesis Solar Energy Project Vicinity Map

Genesis Solar Energy Project

Path: P:\2011\60220713\06GIS\6.3\_Layout\Bio\MCR\2013\01 - January\Project Site 20130131.mxd, 2/1/2013, irelandm







## **ATTACHMENT 2**

### **SPECIES OBSERVED DURING FEBRUARY SURVEYS AND MONITORING**



## SPECIES OBSERVED DURING SEPTEMBER SURVEYS AND MONITORING

### **Animals:**

Coyote  
Desert kit fox  
Kangaroo rat (sp.)  
Round-tailed ground squirrel

### **Birds:**

American avocet  
American kestrel  
Black-crowned Night  
Heron  
Black-headed grosbeak  
Blue-winged teal  
Brewer's blackbird  
Cliff swallow  
Common raven  
Cooper's hawk  
Double-crested cormorant  
Great blue heron  
Great egret  
Grebe (sp.)  
Green-winged teal  
Horned grebe  
Loggerhead shrike  
Killdeer  
Mockingbird  
Mourning dove  
Osprey  
Pied-billed grebe  
Prairie falcon  
Quail (sp.) raven  
Redhead  
Red-necked phalarope  
Red-tailed hawk  
Say's phoebe  
Turkey vulture  
Yellow-headed blackbird  
Western kingbird  
Western sandpiper  
White-crowned sparrow  
Yellowlegs (sp.)

### **Reptiles:**

Coachwhip  
Desert horned lizard  
Desert iguana  
Side-blotched lizard  
Sidewinder  
Whiptail lizard  
Zebra-tailed lizard





**ATTACHMENT 3**

**DAILY BIOLOGICAL MONITORING LOGS**



# Genesis Solar Energy Project

## Biological Monitor (BM) Daily Report

Date 9/2/2013

Monitor: Ron Walker  
 Weather Conditions: Raining, Clouds: 95%, Pcp: Heavy  
 High Temp (°F): 106 Low Temp (°F): 86

Start Time: 3:27:00 PM Stop Time: 5:00:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** Arrived on site at 3:28 to investigate reported bird trapped in HTF pit, no bird was found.  
 Rain coming down hard, minor flooding along access road, departed site at 5:00, unable to walk perimeter fence due to storm.

### 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:** Went to site to investigate reported bird trapped in unit 2 HTF pit, upon arrival was unable to locate any bird or birds in pit.

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/3/2013

Monitor: Dave Charlton  
 Weather Conditions: Sunny, Clouds: 15%, Pcp: None  
 High Temp (°F): 106 Low Temp (°F): 78

Start Time: 6:00:00 AM Stop Time: 3:04:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

## Sites Monitored

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

**Activity Log:** Attend sukut safety meeting breathing apparatus

## 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:** 6 whiptail; 6 desert iguanas; young observed

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/3/2013

Monitor: Eric German  
 Weather Conditions: Partly Sunny, Clouds: 20%, Pcp: None  
 High Temp (°F): 102 Low Temp (°F): 81

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

### Sites Monitored

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

**Activity Log:** 0645 and throughout day inspect access road. No wildlife findings. 0930 investigated report of grebe mortality near north evap pond from bio. 0950 contacted USFWS Law Enforcement. Salvaged and placed in freezer. 1030 investigated report of bird mortality unit 1 block 2 row 54. Injured Mourning dove located. Mado taken to rehab center. 1100 meeting. 1230 inspected service gate entrance rain damage. Reported to compliance. 1400 meeting. 1530 inspect service gate, tortoise exclusion repairs not made. Reported to compliance. 1615 inspect unit 2 east channel ponding for CST, no cst found. 1715 compliance made temporary tortoise exclusion repairs on service gate.

### 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			Signs for upcoming t-line work being installed.
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			Observed vehicles
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			Intact following repairs at service entrance.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			2 calling and 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 9/3/2013

Monitor: Ron Walker  
 Weather Conditions: Partly Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 104 Low Temp (°F): 83

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

### Sites Monitored

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

**Activity Log:** 0500-0520 cleared connex corner lay down area  
 0530-0555 cleared access road to plant site  
 0555-0610 met with Dave Charlton at evap ponds  
 0630-0935 walked DT fence around Unit 1  
 1000-1445 staked pole areas along access road  
 1500-1630 staked right of way areas for transmission line work

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			Two ravens on ground in shade of pole 33 along access road
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Species observed;  
 Raven  
 American kestrel  
 Turkey vulture  
 Coach whip (mortality along north fence line of Unit 1)  
 Western kingbird

Date & Time: Tue Sep 3 09:46:00 PDT 2013  
Position: 11 N 685600 372785  
Altitude: 990ft  
Azimuth/Bearing: 005° N05E 0000mils (True)  
Elevation Angle: -84.2°  
Horizon Angle: 455.7°  
Zoom: 1X  
bird mortality: carcass





# Genesis Solar Energy Project

## Biological Monitor (BM) Daily Report

Date 9/4/2013

Monitor: David Charlton  
 Weather Conditions: Cloudy, Clouds: 70%, Pcp: Light  
 High Temp (°F): 90 Low Temp (°F): 78

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

### Sites Monitored

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

**Activity Log:** Attend Sukut safety meeting  
 Finish walking fence line unit 1  
 Monitor repair outside fence line  
 Drive to tower d, stake access to a and b  
 Drive around evaporation ponds, no birds observed  
 Check desert tortoise gates, one flooded  
 Visited tower 58 b and c

### 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:** Avocet  
 Western sand piper  
 Zebra tail  
 Desert iguana  
 Turkey vulture

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/4/2013

Monitor: Eric German  
 Weather Conditions: Cloudy, Clouds: 50%, Pcp: Light  
 High Temp (°F): 99 Low Temp (°F): 84

Start Time: 8:00:00 AM Stop Time: 4:00:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0800 inspect access road throughout day. Remove 1 krat mortality. 0815 raven count points 1 and 2. 0930 discuss more permanent repair of service crossing gate. 1000 meeting. 1045 improve tortoise exclusion repairs at service gate. 1200 lightning storm not much rain. 1430 investigate areas of t-line work. Orient bio to areas of activities.

### Monitor Checklist

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

**Additional Notes:** CORA, Red tailed hawk, desert iguana, zebra tailed lizard.

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/4/2013

Monitor: Ron Walker  
 Weather Conditions: Partly Sunny, Clouds: 20%, Pcp: Light  
 High Temp (°F): 93 Low Temp (°F): 82

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

## Sites Monitored

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

**Activity Log:** 0500-0520 cleared connex corner equipment laydown area  
 0530-0600 cleared access road  
 0600-0620 attended Sukut tailboard meeting  
 0630-0720 conducted survey for couches spade foot toad at southern end of unit 2  
 0730-0945 conducted raven counts  
 1010-1200 conducted DKF (Flash) survey  
 Terminated field work due to inclement weather

## Monitor Checklist

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

**Additional Notes:** Species observed;  
 Turkey vulture  
 Killdeer

# Genesis Solar Energy Project

## Biological Monitor (BM) Daily Report

Date 9/5/2013

Monitor: David Charlton  
 Weather Conditions: Cloudy, Clouds: 30%, Pcp: None  
 High Temp (°F): 105 Low Temp (°F): 77

Start Time: 6:00:00 PM Stop Time: 3:34:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** Attend Sukut safety briefing  
 Monitor previously damaged areas western portion of block 2  
 Survey evaporation ponds for trapped birds  
 Survey main drainage canals for toads in se corner of block 1  
 Conduct sensitive wildlife survey at towers 58 and 63.  
 Survey south side of block 1 looking for work outside fence none found  
 Monitor fence north side of block 2  
 Bird mortality survey block 2.

### 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 12  
 Western whiptail 10  
 Mockingbird  
 Mourning dove 2

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/5/2013

Monitor: Eric German  
 Weather Conditions: Partly Sunny, Clouds: 30%, Pcp: None  
 High Temp (°F): 102 Low Temp (°F): 82

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

## Sites Monitored

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

**Activity Log:** 0645 arrived on site. 0715 inspect access road throughout day. 0845 meet with tline crew. Discuss work for following Day. 0900 inspect water flows and dirt access road north of i10. Water appeared to follow original course. 1300 confirm areas of tline work. 1400 meeting. 1530 investigate report of large spider in pb1. Spider not found. 1700 offsite.

## Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			Noted non project tracks at gas line north of i10
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		Discussed with compliance.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			2 foraging
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 9/6/2013

Monitor: David Charlton  
 Weather Conditions: Cloudy, Clouds: 75%, Pcp: None  
 High Temp (°F): 102 Low Temp (°F): 83

Start Time: 5:58:00 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:** Attend Sukut safety meeting  
 Patrol block 2 fence  
 Complete survey of block 1 and 2; no erosion problems  
 Listened for spade foot toads  
 Monitored lineman 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		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:** 3 Desert iguana  
 Western whiptail  
 Black crowned Night hero, yellow legs  
 Coyote

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/6/2013

Monitor: Eric German  
 Weather Conditions: Cloudy, Clouds: 30%, Pcp: None  
 High Temp (°F): 108 Low Temp (°F): 82

Start Time: 7:00:00 AM Stop Time: 4:15:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

## Sites Monitored

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

**Activity Log:** 0700 inspect access road. Remove 1 krat and dispose. 0745 office. 0830 meeting. 1400 remove and release tarantula pb1. 1430 inspect t-line activities structure B.

## 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			Observed vehicles.
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 on power pole
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** N/A

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/7/2013

Monitor: David Charlton  
 Weather Conditions: Cloudy, Clouds: 75%, Pcp: Trace  
 High Temp (°F): 96 Low Temp (°F): 78

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:** Clear under vehicles  
 Attend Wasatch electric safety tailboard on fatal four  
 Drive to tower 58 and cleared work site  
 Too early for wildlife activity  
 Move to 58 at 1:30.  
 Drove to main gate to bury lizards; drove main road-no dead wildlife

## 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  
 Round tail ground squirrel  
 Fringe tail lizard



# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/8/2013

Monitor: David Charlton  
 Weather Conditions: Cloudy, Clouds: 40%, Pcp: None  
 High Temp (°F): 95 Low Temp (°F): 82

Start Time: 6:00:00 AM Stop Time: 11:30:00 AM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

## Sites Monitored

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

**Activity Log:** 6:00 attend safety meeting  
 6:30-7:45 finish 63  
 8:00-9:00 cap 53  
 9:16- fix berm  
 9:40 cap 44  
 11:00 drive access road

## Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?			X	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 9/9/2013

Monitor: Andrew Fisher  
 Weather Conditions: Partly Sunny, Clouds: 50%, Pcp: None  
 High Temp (°F): 97 Low Temp (°F): 74

Start Time: 9:26:00 AM Stop Time: 7:26:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** At 9:30 I arrived onsite and completed safety training for the day. From 11:00-12:00 I conducted the noon evaporation pond monitoring. After that at 12:30 I drove the inside perimeter of the plant site at both units 1 and 2 to look for potential gaps or holes in the wind perimeter fence. A few eroded spots along the fence were observed and filled in. Then Unit 2 Solar Block 4 was driven to look for avian carcasses. No avian carcasses were detected. Then from 5-7 pm the evening evaporation pond monitoring was conducted.

### 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 9/9/2013

Monitor: Eric German  
 Weather Conditions: Partly Sunny, Clouds: 55%, Pcp: Trace  
 High Temp (°F): 89 Low Temp (°F): 85

Start Time: 8:15:00 AM Stop Time: 4:45:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0815 and throughout day monitor access road. 0830 inspect service gate area for desert tortoise. No tortoise or tortoise sign found. 0900 kickoff meeting with fence crew. 1100 inspect service gate with fence crew. Remove and release sidewinder. 1315 inspect laydown OTF south unit 1. Remove and release gecko. 1400 meeting. 1600 removed and released a tarantula from power block 1.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			Some maintenance.
Trash and debris contained and disposed of in proper manner?		X		Nextera reported litter.
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			Observed vehicles
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 on ground beneath bucket truck in shade.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Round tailed ground squirrel. Tarantula, rtha, a whirligig of red-necked phalaropes.

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/9/2013

Monitor: Ron Walker  
 Weather Conditions: Cloudy, Clouds: 70%, Pcp: Light  
 High Temp (°F): 96 Low Temp (°F): 80

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

## Sites Monitored

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

**Activity Log:** 0530-0600 cleared access road  
 0610-0820 monitored evaporation ponds  
 0900-1145 walked unit 1 DT fence line  
 1200-1400 set up lath and signs on access road  
 1400-1600 surveyed for kit fox  
 1620-1635 cleaned up v-ditch to prevent DT access unit 2 block 4/5

## Monitor Checklist

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

**Additional Notes:** Species observed  
 Zebra tail lizard  
 Turkey vulture  
 American kestrel  
 Phalarope

Date & Time: Tue Sep 3 10:38:38 PDT 2013  
Position: 11 N 683583 3727484  
Altitude: 409ft  
Azimuth/Bearing: 295° N65W 5244mils (True)  
Elevation Angle: -19.6°  
Horizon Angle: +09.3°  
Zoom: 1X  
injured bird



## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/10/2013

Monitor: Andrew Fisher  
 Weather Conditions: Partly Sunny, Clouds: 80%, Pcp: None  
 High Temp (°F): 96 Low Temp (°F): 73

Start Time: 9:07:00 AM Stop Time: 3:44:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** Upon arriving onsite at 9:30, I checked the outer perimeter drainage for shorebirds. At 10:30 I check the evaporation ponds for any entangled wildlife and none were observed. From 11-3:30 I joined the Nextera and USFWS site visit and meeting to discuss avian mortalities.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			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 9/10/2013

Monitor: Eric German  
 Weather Conditions: Cloudy, Clouds: 60%, Pcp: None  
 High Temp (°F): 89 Low Temp (°F): 78

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

### Sites Monitored

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

**Activity Log:** 0800 inspect access road, removed litter. Noted 3 osprey on wooden poles. 0845 inspect SE unit 2 drainage pond. About 20 Red-phalaropes. 1045 meet with agencies and tour site. 1500 investigate report of small duck walking in solar field. Bird not found. 1530 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		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		Will discuss egress with compliance.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			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:** Osprey.

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/10/2013

Monitor: Ron Walker  
 Weather Conditions: Cloudy, Clouds: 80%, Pcp: None  
 High Temp (°F): 96 Low Temp (°F): 73

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

### Sites Monitored

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

**Activity Log:** 0530-0600 cleared connex corner and access road  
 0600-0620 met with fence crew SE corner of unit 2  
 0630-0700 cleared 6 krats off access road, also removed trash from roadway  
 0720-0950 walked unit 2 DT fence perimeter  
 1015-1045 monitored fence crew removing equipment from south of unit 1  
 1115-1530 Monitoring kit fox  
 1530-1630 monitored DT fence inside unit 1

### 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 observed on access road surface
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Species observed  
 Osprey  
 Phalarope  
 Green wing teal  
 Horned lizard  
 Desert iguana



Date & Time: Tue Sep 10 13:20:19 PDT 2013

Position: 11 N 686033 3726179

Altitude: 385ft

Azimuth/Bearing: 101° S79E 1796mils (True)

Elevation Angle: -72.2°

Horizon Angle: +41.1°

Zoom: 1x

bird mortality access road unit 2 row 49 between block 3 and 4



## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/11/2013

Monitor: Eric German  
 Weather Conditions: Partly Sunny, Clouds: 10%, Pcp: None  
 High Temp (°F): 92 Low Temp (°F): 79

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

### Sites Monitored

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

**Activity Log:** 0815 inspect access road. No sensitive species findings. 1000 meeting. 1100 office. 1430 inspect unit 1 water ponding. Report to compliance and management. Ponded water mitigation approach being developed by management. 1615 off site.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		Picked up 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.
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			Discussed drainage pipe from off site on site.
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
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 9/11/2013

Monitor: Ron Walker  
 Weather Conditions: Partly Sunny, Clouds: 10%, Pcp: None  
 High Temp (°F): 96 Low Temp (°F): 73

Start Time: 5:30:00 AM Stop Time: 4:21:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0530-0600 cleared access road  
 0600-0630 met with fence crew, pulled tarantula from fence post hole, collected another tarantula from unit 2 power block area  
 0700-1500 surveyed for kit fox  
 1510-1530 investigated ponding water at unit 1 east of power block  
 1540-1621 surveyed for kit fox along access road

### Monitor Checklist

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

**Additional Notes:** Species observed  
 American kestrel  
 Turkey vulture  
 Desert iguana  
 Osprey  
 Zebra tail lizard  
 Whiptail lizard

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/12/2013

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None  
 High Temp (°F): 100 Low Temp (°F): 73

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

### Sites Monitored

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

**Activity Log:** 0530-0600 cleared access road  
 0600-0650 met with fencing crew  
 0700-0800 monitored fence crew  
 0800-1000 drove inside perimeters of unit 1 and 2  
 1030-1530 monitored plant site

### Monitor Checklist

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

**Additional Notes:** Species observed,  
 Kangaroo rat  
 Wind spider  
 Red tail hawk  
 American kestrel  
 Coachwhip  
 Raven

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/13/2013

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 105 Low Temp (°F): 78

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

## Sites Monitored

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

**Activity Log:** 0530-0600 cleared access road, removed one road kill coach whip snake  
 0700-0720 monitored installation of sign on access road  
 0730-1430 monitored plant site, monitored mirror rows

## Monitor Checklist

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

**Additional Notes:** Species observed;  
 American kestrel  
 Coach whip snake  
 Tarantula  
 Raven  
 Red tail hawk  
 Mourning dove  
 Loggerhead shrike

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/16/2013

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None  
 High Temp (°F): 108 Low Temp (°F): 78

Start Time: 7:30:00 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:** 0730 and throughout day inspect access road. Removed 1 desert iguana mortality. 0745 collect and release 1 krat and 1 tarantula. 0815 investigate reported bird mortality (contacted USFWS LE at 0730 and again at 0950). Salvaged and placed in freezer per USFWS LE guidance. Yellow-headed blackbird. 0925 meet and orient CDFW bio to fox (Yentl) location. 0930 bring injured bird to rehabilitation in Blythe. (Grebe). 1115 monitor fence install at service gate. No sensitive species observed. Removed and released tarantula from fence ditch. 1300 inspect evap ponds. Two un-identified items floating in north pond. To investigate again when they come near edge. 1330 noted standing water in pb1 htf pit. Reported to compliance. 1400 meeting. 1500 monitor fence perimeter unit 2. No sensitive species 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		To report to compliance.
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			N/A
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			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:** Yellow-headed Blackbird, Grebe.

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/16/2013

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None  
 High Temp (°F): 108 Low Temp (°F): 75

Start Time: 5:30:00 AM Stop Time: 5:36:00 AM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

## Sites Monitored

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

**Activity Log:** 0600-0645 cleared access road, removed two road kill kangaroo rats  
 0730-0900 monitored gas crew south of freeway at valve station  
 0900-1345 surveyed for kit fox with CDFW  
 1400-1730 monitored fencing crew at service gate putting up DT 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			One raven in unit 2 east drainage channel perched along roadside
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Species observed;  
 Raven  
 Desert iguana  
 Coopers hawk (imm. Female)  
 Red-tail hawk  
 American kestrel  
 Yellow headed blackbird  
 Great blue heron  
 California quail  
 Zebra tail lizard  
 Sidewinder

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/17/2013

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 93 Low Temp (°F): 80

Start Time: 8:00:00 AM Stop Time: 10:15:00 AM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0730 monitor sign removal at rest area location. 0815 inspect access road. Flushed 1 mftl from access road. 0900 bring injured modo to rehab.

### 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			Sign install and removal Wiley's well rest area location.
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 on wooden power poles.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Unidentified bird in north evaporation pond water. Contacted USFWS law enforcement. Bird left in place.



# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/17/2013

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

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

## Sites Monitored

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

**Activity Log:** 0600-0630 cleared access road, removed two road kill kangaroo rats  
 0630-0800 monitored sign installation along access road  
 0800-0845 surveyed evaporation ponds  
 0900-0930 collected injured mourning dove from Unit 1 block 7 row 51  
 1000-1530 conducted kit fox work and surveys, collected camera cards

## Monitor Checklist

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

**Additional Notes:** Species observed;  
 Redhead duck  
 Osprey  
 Pied-billed grebe  
 Mourning dove

Date & Time: Tue Sep 17 08:08:24 PDT 2013  
Position: 11 N 885365 3727339  
Altitude: 344ft  
Azimuth/Bearing: 183° 203W 3253mils (True)  
Elevation Angle: -13.0°  
Horizon Angle: -00.4°  
Zoom: 1X  
unit 1 block 7 row 51



## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/18/2013

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 100 Low Temp (°F): 76

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

### Sites Monitored

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

**Activity Log:** 0730 bring injured pied-billed grebe to Blythe rehabilitation. 1045 htf spill at power block 2. Management estimate of 100 gallons. Estimate changed to 20 gallons later in day. 1130 inspect evaporation ponds. Could not locate bird mortality in North pond. Grebe mortality located in South evap pond. USFWS Law Enforcement notified of mortalities and bird brought to rehabilitation. 1300 office. 1500 inspect unit 1. No sensitive species findings. 1600 inspect fence completion. 1700 off site.

### Monitor Checklist

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

**Additional Notes:** Pied-billed Grebe, Horned Grebe

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/18/2013

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 102 Low Temp (°F): 70

Start Time: 6:00:00 AM Stop Time: 3:19:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

## Sites Monitored

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

**Activity Log:** 0600-0620 cleared access road and tailboard meeting with Sukit  
 0630-0930 walked unit 2 DT fence line  
 1045-1230 surveyed for kit fox  
 1300-1400 searched evap pond for birds  
 1415-1520 changed out fox camera for Honey

## 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 access road power poles
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Species observed;  
 Prairie falcon (female)  
 Raven  
 Great egret  
 Blue wing teal

Date & Time: Wed Sep 18 09:27:51 PDT 2013  
Position: 11 N 728629 3720662  
Altitude: 295ft  
Azimuth/Bearing: 018° N18E 0320mils (True)  
Elevation Angle: -00.4°  
Horizon Angle: +20.1°  
Zoom: 1X  
bird take. to rehab



Date & Time: Wed Sep 18 11:53:25 PDT 2013  
Position: 11 N 685602 3727351  
Altitude: 381ft  
Azimuth/Bearing: 148° S32E 2631mils (True)  
Elevation Angle: +00.2°  
Horizon Angle: +00.3°  
Zoom: 1X  
bird mortality



# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/19/2013

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 100 Low Temp (°F): 77

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 and throughout day inspect access road. 0800 inspect gas line testing. No items. 0940 CORA observation monitoring. 1115 investigate report of bird entangled in north evap pond netting. Bird not entangled. Standing on netting support wire. Had been seen earlier. Blue-winged teal. No other findings. Return to CORA observations. 1220 retake photo of 9/18 bird mortality south evap pond. 1245 inspect night time grouting areas. 1300 inspect pb1 htf pit. Pit has been dewatered. Skim water remains. 1530 blue teal remains on netting. 1600 release 1 tarantula and 1 scorpion.

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

**Additional Notes:** Blue-winged Teal, TUVU



## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/19/2013

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 98 Low Temp (°F): 72

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

### Sites Monitored

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

**Activity Log:** 0600-0615 attended Sukit tailboard meeting  
 0615-0700 searched for BUOW in drainage pipes  
 0710-0745 cleared access road  
 0800-1200 monitored odorization of gas pipeline on north and south side of freeway  
 1215-1515 walked unit one DT fence line unharmed 1515-1530 relocated scorpion 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			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			Removed two whiptail lizards from gas valve meter box
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 perched on west side of unit 1 perimeter fence
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Species observed;  
 Whiptail lizard  
 Desert iguana  
 Red tail hawk  
 American kestrel  
 Blue winged teal  
 Grebe (sp)  
 Scorpion

Date & Time: Thu Sep 19 12:27:51 PDT 2013  
Position: 11 N 685616 3727348  
Altitude: 389ft  
Azimuth/Bearing: 118° S62E 2098mils (True)  
Elevation Angle: +05.1°  
Horizon Angle: -02.4°  
Zoom: 4X  
south evap pond 9/18/13 mortality





## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/20/2013

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 100 Low Temp (°F): 74

Start Time: 7:30:00 AM Stop Time: 3:00:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0730 and throughout day inspect access road. 0800 investigate report of kit fox mortality east bound I-10 near Wiley's well exit. No mortality found. 0900 inspect evaporation ponds. Noted 2 cormorants perched on netting. 77 degrees. Flushed. One blackbird within netting. Other blackbirds flew through netting. Will return to see if bird able to gain egress. 0945 inspect unit 1 perimeter for fox sign. No fox sign observed. 1030 inspect leaking pump power block 1. Informed compliance. 1355 inspect evap ponds. Blackbird not located. 1400 inspect power block 1 leaking pump. Pump turned off, not leaking.

### 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	Activity within permanent fence.
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Double-breasted Cormorant, LOSH, Brewers Blackbird.

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/20/2013

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 84 Low Temp (°F): 72

Start Time: 6:00:00 AM Stop Time: 10:30:00 AM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0600-0615 attended Sukit tailboard meeting  
 0620-0700 surveyed evap ponds  
 0720-0900 surveyed for kit fox at GKBTS011 and GMACG002  
 0900-1000 filled out bio forms and downloaded camera cards

### Monitor Checklist

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

**Additional Notes:** Species observed;  
 Killdeer  
 Coopers hawk  
 Osprey  
 Red tail hawk  
 Loggerhead shrike  
 Brewers blackbird  
 American kestrel

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/23/2013

Monitor: David Charlton  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 96 Low Temp (°F): 63

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

## Sites Monitored

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

**Activity Log:** 6:00 attend Sukit tailboard, topic rattlesnake bites  
 6:30 monitor removal of desert tortoise fence until 3:00  
 Conduct plant survey along access road until 4:00

## 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:** Horned lizard  
 4 Western whiptail  
 3 Zebratail  
 2 Side blotch lizard

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/23/2013

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 92 Low Temp (°F): 68

Start Time: 6:00:00 AM Stop Time: 4:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

## Sites Monitored

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

**Activity Log:** 0600-0620 attended Sukit tailboard meeting  
 0620-0700 monitored DT fence removal south of unit 1  
 0710-0720 cleared access road  
 0720-1340 surveyed kit fox, downloaded camera cards  
 1400-1420 attended 2:00 meeting  
 1437-1630 monitored DT fence removal

## 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		Few buggies still exhibiting excessive speed
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 observed along middle portion of access road
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Species observed;  
 Prairie falcon  
 American kestrel  
 Tarantula  
 Turkey vulture  
 Horned lizard  
 Desert iguana  
 Scorpion  
 American egret  
 Killdeer

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/24/2013

Monitor: David Charlton  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 97 Low Temp (°F): 64

Start Time: 6:00:00 AM Stop Time: 3:00:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

## Sites Monitored

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

**Activity Log:** Attend Sukit tailboard  
 6:30 monitor crew removing desert tortoise 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		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** 5 Western whiptail  
 Desert iguana injured by project  
 Zebratail lizard  
 Sideblotch lizard

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/24/2013

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 92 Low Temp (°F): 68

Start Time: 6:00:00 AM Stop Time: 4:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0600-0620 attended Sukit tailboard meeting  
 0630-0700 conducted avian search at evap ponds  
 0700-0738 cleared access road  
 0800-1145 surveyed for kit fox 1330-1630 met up with Chuck and USFWS person and worked on avian mortalities

### Monitor Checklist

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

**Additional Notes:** Species observed;  
 Turkey vulture  
 American kestrel  
 Mourning dove  
 Red tail hawk  
 Kangaroo rat  
 Desert iguana  
 Horned lizard

Date & Time: Tue Sep 24 13:09:42 PDT 2013  
Position: 11 N 687138 3738280  
Altitude: 367ft  
Azimuth/Bearing: 266° SSW - 4729mils (True)  
Elevation Angle: -59.0°  
Horizon Angle: +03.9°  
Zoom: 1X  
avian mortality unit 2 power block pupis corner



# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/25/2013

Monitor: David Charlton  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 96 Low Temp (°F): 71

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

## Sites Monitored

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

**Activity Log:** 6:00 attend Sukit tailboard  
 6:15 walk work site, look under vehicles  
 6:30 monitor crew of two removing fence posts until 2:30 Drive power block 1 looking for bird mortalities, none observed

## Monitor Checklist

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

**Additional Notes:** Turkey vulture, red tail hawk, western whiptail, desert iguana, side blotch lizard



## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/25/2013

Monitor: Eric German  
 Weather Conditions: Windy, Clouds: 0%, Pcp: None  
 High Temp (°F): 97 Low Temp (°F): 77

Start Time: 7:45:00 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:** 0745 and throughout day monitored access road. Removed and disposed (burial) 2 krats. 1000 meeting. 1115 inspect evap pond. 1145 inspect fence install. No findings. 1200 meeting. 1330 inspect temp fence removal. Activities monitored.

### 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		Wind blown trash
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			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:** LOSH

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/25/2013

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

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

### Sites Monitored

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

**Activity Log:** 0600-0620 attended Sukit tailboard meeting  
 0630-0700 monitored evap ponds for birds  
 0715-1015 walked unit 1 DT fence  
 1030-1130 checked pole F for jumpers  
 1130-1530 monitored plant site and evap ponds during high winds

### Monitor Checklist

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

**Additional Notes:** Species observed  
 Says phoebe  
 Prairie falcon  
 Coopers hawk  
 Red tail hawk  
 Turkey vulture

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/26/2013

Monitor: David Charlton  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 86 Low Temp (°F): 66

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

## Sites Monitored

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

**Activity Log:** 6:00 attend Sukit tailboard  
 6:15 monitor fence crew  
 3:00 conduct bird mortality survey in block 2 northern half

## 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:** Whiptail  
 Iguana  
 Side blotch lizard

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/26/2013

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 86 Low Temp (°F): 68

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

### Sites Monitored

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

**Activity Log:** 0815 and throughout day inspect access road. Removed and disposed 1 krat. Picked up litter. 0915 inspect unit 2. Noted windblown trash along north fence. 1130 meeting. 1200 inspect tortoise grates. Noted 1 grate requiring concrete chipping. Unit 2 channel access north of main gate. Informed fence crew. 1245 inspect temp fence removal. Fence removal being monitored. 1400 meeting. 1440 inspect evap ponds, sparrow egressed through netting. 1500 inspect unit 1. Noted trash along north fence. Compliance aware. 1545 inspect unit 2 previous owl location. Noted whitewash and pellets. Owl not seen in drainage pipe.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		North fence both units windblown trash.
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			Temp exclusion fence removal monitored by bio
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:** White-crowned Sparrow, American avocet.

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/26/2013

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 87 Low Temp (°F): 68

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

### Sites Monitored

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

**Activity Log:** 0600-0620 attended Sukit tailboard meeting  
 0630-0930 walked unit 2 DT fence line  
 0945-1015 cleared access road, removed road kill sidewinder and caught and released another sidewinder found on road

### Monitor Checklist

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

**Additional Notes:** Species observed;  
 Sidewinder  
 Turkey vulture  
 American kestrel  
 Say's phoebe  
 Pied billed grebe  
 Raven  
 Tarantula  
 Red tail hawk

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/27/2013

Monitor: David Charlton  
 Weather Conditions: Windy, Clouds: 0%, Pcp: None  
 High Temp (°F): 77 Low Temp (°F): 67

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

### Sites Monitored

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

**Activity Log:** 6:00 attend Sukit tailboard. 6:15 monitor desert tortoise fence crew at SW corner of block 1. 2:30 complete bird mortality survey in block 2.

### 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, 6 whiptail, 8 cliff swallow

# Genesis Solar Energy Project

## Biological Monitor (BM) Daily Report

Date 9/27/2013

Monitor: Eric German  
 Weather Conditions: Windy, Clouds: 0%, Pcp: None  
 High Temp (°F): 87 Low Temp (°F): 64

Start Time: 7:00:00 AM Stop Time: 3:00:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0645 report of blue teal walking access road. 0700 investigate report of blue teal. Searched unit 2 SW blocks and fence line. Bird was reported along fence line and able to fly. Not located. 0745 investigate HTF spill at unit 2 pipes between units 4 and 5 rows 14/15. Operations cleaned spill. 0830 re-inspect unit 2 for bird. No findings. 0930 inspect temp fence removal. No findings. 1030 inspect evap ponds. Noted 4 great egrets south of south evap pond. 1100 meeting. 1145 remove and release scorpion. 1215 spoke with dumpster driver regarding parking of trailer at connex corner. Reminded of importance of inspecting ground beneath trailer and parked vehicles for desert tortoise and other wildlife. 1330 inspect evap pond, no findings.

### Monitor Checklist

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

**Additional Notes:** N/A

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 9/30/2013

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 97 Low Temp (°F): 62

Start Time: 7:30:00 AM Stop Time: 3:00:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0730 inspect access road. No findings. 0830 inspect evap ponds. Noted some gaps to be reported to compliance. 0900 discussed night time grouting with grout crew. Night work has been ceased. Grouting is now a daytime activity. 0915 inspect unit 2 south perimeter. Noted trash. Falcon species perched on fence. Noted some gaps. Reported to compliance. 1030 inspect structure f area near crs. Jumpers installed by SCE crew. Not monitored by Genesis Biologists. 1145 inspect unit north perimeter and pb2. Noted some water in htf pit pb2. 1215 inspect unit 1 perimeter. 1240 inspect htf pit pb1. Some water. Pumps on being dewatered. 1300 inspect sedimentation pond 1. Noted moisture at middle discharge location. 1320 inspect evap ponds. No bird findings. 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		Windblown trash South fence.
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			N/A
Biological Issues	Yes	No	N/A	Comments Attach Supplemental Report if needed
Work area cleared by BM prior to construction activity beginning?	X			Noted that structure f jumpers attached by SCE crews. Not monitored by Genesis biologists.
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			Areas of maintenance reported to compliance.
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 9/30/2013

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 96 Low Temp (°F): 95

Start Time: 2:00:00 PM Stop Time: 6:10:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

## Sites Monitored

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

**Activity Log:** 1400-1810 monitored collared kit fox

## Monitor Checklist

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

**Additional Notes:** Species observed;  
 Whiptail lizard  
 Zebra tail lizard  
 Red tail hawk  
 American kestrel

**ATTACHMENT 4**

**SURVEY DATA FORMS**



## **Evaporation Pond Monitoring Form**

# GENESIS SOLAR ENERGY PROJECT

## MONTHLY EVAPORATION POND MONITORING (BIO-21)

Date	9-9-2013	Biomonitor	Ron Walker + Andrew Fisher
Sunrise Time	6:17 AM	Sunset Time	6:55 PM

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

### DAWN SURVEY (two hours after sunrise)

Start Time	End Time
6:17 AM	8:17 AM

1. Netted ponds effective in excluding birds? ☒ Yes ☐ No

Comments for #1: NO BIRDS OBS.

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

Comments for #2: EXCESS SLACK IN NETTING ALONG WESTERN EDGE

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

Comments for #3: A few small gaps along the bottom of the netting. Area flagged and need soil to be added.

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:

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

(1 hr.)

Start Time	End Time
11:00 AM	12:00 PM

1. Netted ponds effective in excluding birds? ☐ Yes ☒ No

Comments for #1: 2 BHCB on South Evap pond were observed flying through the netting, attempted to drink water and were chased away.

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
4:55 PM	6:55 PM

1. Netted ponds effective in excluding birds? ☒ Yes ☐ No

Comments for #1: none observed; windy, dusty, light showers

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:

## **Common Raven Fixed Point Survey Data Table**

# 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
Eric German	9/4/2013	R1. 691217 W, 3722767 N	8:18:00 AM	8:28:00 AM	99999	99999	W	1	None	84	50%
Eric German	9/4/2013	R2. 686736 W, 3726215 N	8:47:00 AM	8:57:00 AM	99999	99999	Variable	1	None	86	50%
Ron Walker	9/4/2013	R4. 683203 W, 3727508 N	7:53:00 AM	7:04:00 AM	99999	99999	Variable	1	None	82	70%
Ron Walker	9/4/2013	R3. 683684 W, 3727437 N	8:07:00 AM	8:17:00 AM	99999	99999	Variable	1	None	83	70%
Ron Walker	9/4/2013	R5. 685761 W, 3727662 N	8:30:00 AM	8:40:00 AM	99999	99999	Variable	1	None	83	60%
Ron Walker	9/4/2013	R6. 687910 W, 3726586 N	9:02:00 AM	9:13:00 AM	99999	99999	Variable	1	None	83	55%
Ron Walker	9/4/2013	R7. 686177 W, 3725504 N	9:29:00 AM	9:40:00 AM	99999	99999	Variable	1	None	84	35%
Eric German	9/19/2013	R4. 683203 W, 3727508 N	9:45:00 AM	9:55:00 AM	99999	99999	Variable	1	None	82	0%
Eric German	9/19/2013	R3. 683684 W, 3727437 N	10:10:00 AM	10:20:00 AM	99999	99999	Variable	1	None	84	0%
Eric German	9/19/2013	R5. 685761 W, 3727662 N	10:53:00 AM	11:03:00 AM	99999	99999	S	3	None	84	0%
Eric German	9/19/2013	R6. 687910 W, 3726586 N	11:46:00 AM	11:56:00 AM	99999	99999	S	2	None	84	0%
Eric German	9/19/2013	R2. 686736 W, 3726215 N	12:06:00 PM	12:16:00 PM	99999	99999	S	1	None	84	0%
Eric German	9/19/2013	R7. 686177 W, 3725504 N	1:08:00 PM	1:18:00 PM	99999	99999	S	1	None	90	0%
Ron Walker	9/19/2013	R1. 691217 W, 3722767 N	9:00:00 AM	9:10:00 AM	0	5000	Variable	2	None	75	0%

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



Monitor	Date	CORA Observation Point	Observation Time	Sex	Age	No. of CORA	Activity	Flight Direction (to)	1 <sup>st</sup> Distance Obs. (m)	Closest Distance Obs. (m)	Habitat & Perching Habitat	Audio Observation?	Visual Observation?	Observation Notes
Eric German	9/4/2013	R2. 686736 W, 3726215 N	-	-	-	0	-	-	-	-	-	No	No	No CORA observed.
Eric German	9/4/2013	R1. 691217 W, 3722767 N	-	-	-	0	-	-	-	-	-	No	No	No CORA observed.
Ron Walker	9/4/2013	R7. 686177 W, 3725504 N	9:28:00 AM	Unknown	Adult	1	Perched above ground	N/A	900	900	Plant Site	NO	Yes	One CORA observed due east sitting on perimeter fence, approximately 900 meters away.
Ron Walker	9/4/2013	R6. 687910 W, 3726586 N	9:03:00 AM	-	-	0	-	-	-	-	-	NO	NO	No CORA observed.
Ron Walker	9/4/2013	R5. 685761 W, 3727662 N	8:30:00 AM	-	-	0	-	-	-	-	-	NO	NO	No CORA observed.
Ron Walker	9/4/2013	R3. 683684 W, 3727437 N	8:07:00 AM	-	-	0	-	-	-	-	-	NO	NO	No CORA observed.
Ron Walker	9/4/2013	R4. 683203 W, 3727508 N	7:53:00 AM	-	-	0	-	-	-	-	-	NO	NO	No CORA observed.
Eric German	9/19/2013	R7. 686177 W, 3725504 N	-	-	-	0	-	-	-	-	-	No	No	No CORA observed.
Eric German	9/19/2013	R2. 686736 W, 3726215 N	-	-	-	0	-	-	-	-	-	No	No	No CORA observed.
Eric German	9/19/2013	R6. 687910 W, 3726586 N	-	-	-	0	-	-	-	-	-	No	No	No CORA observed.
Eric German	9/19/2013	R5. 685761 W, 3727662 N	-	-	-	0	-	-	-	-	-	No	No	No CORA onservd.
Eric German	9/19/2013	R3. 683684 W, 3727437 N	-	-	-	0	-	-	-	-	-	No	No	No CORA observed.
Eric German	9/19/2013	R4. 683203 W, 3727508 N	-	-	-	0	-	-	-	-	-	No	No	No CORA observed.
Ron Walker	9/19/2013	R1. 691217 W, 3722767 N	9:00:00 AM	-	-	0	-	-	-	-	-	NO	NO	No CORA observed.



## **Avian Reporting Data Table and Reporting Data Forms**

Bio-monitor	Date	Phase	Situation	Incident Type	Carcass Cond	Age of Remains	Carcass Details	UTM_Dat	Northing	Easting	Observation		Species	Markings	Sex	Age	Tag	Weather	Temp	Wind	Habitat	Notification			Actions	Comments
											Location	Details										Who	Date	Time		
Eric German	9/3/2013	Operations	Evaporation Pond Monitoring	Fatality	Dismembered Carcass	6-30 (maggots)	Carcass missing head, legs and feathers intact.	UTM Z11 NAD83 (m)	3727385	685600	Evaporation Pond	Outside of north evaporation pond, west of gate approximately 30 meters.	Unknown Grebe	Black grebe-like feet. Light breast, brownish/blackish back	Unk	Unk	NO	Cloudy	82	Calm	Bare Ground	USFWS Law Enforcement	9/3/2013	9:51:00 AM	Salvaged and placed in freezer per USFWS guidance.	There had been a pied billed grebe that was entangled by its neck in central part of net, reported May 1, 2013. The bird no longer appears to be in netting. This grebe has the possibility of being same bird reported May 1.
Eric German	9/3/2013	Construction	Plant Site (incidental)	Injury	N/A	N/A	0800 bird was seen to fly into backside of mirror and reported to be a mortality. 1030 bird was located and found to be alive. It then flew into a mirror. It was collected (alive) and brought to rehab.	UTM Z11 NAD83 (m)	3727484	683583	Solar Trough	Unit 1 block 2 row 54 beneath mirrors.	Mourning dove	Spotting on brown back	Unk	Adult	NO	Partly Sunny	82	Calm	Graded	Notified USFWS law enforcement as mortality prior to finding injured bird. Followed up with injured status evening of 9/3.	9/3/2013	6:00:00 PM	Bird taken to Blythe rehabilitation.	N/A
Eric German	9/10/2013	Construction	Access road (incidental)	Fatality	Intact Carcass	1-5 (fluid in eyes)	Carcass intact, eyes missing.	UTM Z11 NAD83 (m)	3726179	686033	Road	North shoulder of access road unit 2, between blocks 3 and 4, row 79. Power lines above.	MacGillivray's Warbler	Yellow breast, grey head, could be male.	Unk	Adult	NO	Cloudy	86	Calm	Bare Ground	USFWS Law Enforcement	9/10/2013	1:20:00 PM	USFWS Law Enforcement present. Guidance given to salvage and place in freezer.	N/A
Eric German	9/16/2013	Construction	Plant Site (incidental)	Fatality	Intact Carcass	1-5 (fluid in eyes)	Intact carcass, eyes missing.	UTM Z11 NAD83 (m)	3726190	686240	Other (explain below)	Beneath power line near access road. Unit 2 row 37 between blocks 3 and 4.	Yellow-headed Blackbird	Orange/yellow neck area.	Fem	Adult	NO	Sunny	79	Calm	Graded	USFWS Law Enforcement	9/16/2013	7:30:00 AM	Left in place until confirmed species and re-contact of USFWS Law Enforcement. Then salvaged and placed in freezer per USFWS LE guidance.	N/A
Eric German	9/16/2013	Construction	Plant Site (incidental)	Injury	N/A	N/A	Bird not able to flush. No obvious signs of injury.	UTM Z11 NAD83 (m)	3726803	686040	Solar Trough	Unit 2 block 2 row 49. North end of mirror row.	Eared grebe	Solid dark beak.	Unk	Adult	NO	Sunny	90	Calm	Bare Ground	USFWS Law Enforcement	9/16/2013	9:50:00 AM	Brought to rehabilitation center.	N/A

Bio-monitor	Date	Phase	Situation	Incident Type	Carcass Cond	Age of Remains	Carcass Details	UTM_Dat	Northing	Easting	Observation		Species	Markings	Sex	Age	Tag	Weather	Temp	Wind	Habitat	Notification			Actions	Comments
											Location	Details										Who	Date	Time		
Ron Walker	9/17/2013	Construction	Plant Site (incidental)	Injury	Intact Carcass	N/A	Injured mourning dove, construction worker heard and saw dove hit backside (non-reflective) side of mirror panel approximately five feet above the ground. Dove appeared to have severe neck injury.	UTM Z11 NAD83 (m)	3727393	685360	Solar Trough	Unit 1 block 7 row 51 north end	Mourning dove	Overall light tan and grey markings, pointed tail	Unk	Unk	NO	Sunny	88	Calm	Graded	Designated biologist and Ed Nieves of USFWS	9/17/2013	9:05:00 AM	Dove taken to rehabilitation center in Blythe	Dove taken to rehabilitation center by designated biologist
Eric German	9/17/2013	Operations	Evaporation Pond Monitoring	Fatality	Intact Carcass	6-30 (maggots)	Carcass floating in north evaporation. Not accessible. Feet and beak shape able to be seen. Appears to be a water bird.	UTM Z11 NAD83 (m)	3727429	685679	Evaporati on Pond	Within water of north evaporation pond. Mostly submerged. No photo - observed by designated biologist and on-site biologist.	Unknown submerged water bird	Dark feet and bill. Estimated 12 inches.	Unk	Unk	N/A	Sunny	90	Calm	Other (note)	USFWS Law Enforcement	9/17/2013	9:35:00 AM	Left in place.	N/A
Eric German	9/18/2013	Operations	Evaporation Pond Monitoring	Fatality	Intact Carcass	1-5 (fluid in eyes)	Entangled in south evaporation pond netting. Head extended through top netting.	UTM Z11 NAD83 (m)	3727348	685639	Evaporati on Pond	Netting above south evaporation pond. Northwest quadrant.	Grebe species (horned).	Appears to have whitish beak tip and thicker bill.	Unk	Unk	N/A	Sunny	100	Calm	Other (note)	USFWS Law Enforcement	9/18/2013	2:15:00 PM	Left in place.	N/A
Eric German	9/18/2013	Construction	Plant Site (incidental)	Injury	N/A	N/A	Bird could not flush. No obvious signs of injury. Alive.	UTM Z11 NAD83 (m)	3726804	684204	Solar Trough	Solar array. Unit 1 block 4 row 20.	Pied-billed Grebe.	Thick bill with ring	Unk	Adult	NO	Sunny	85	Calm	Graded	USFWS Law Enforcement	9/18/2013	2:15:00 PM	Bird brought to rehabilitation center.	N/A
Ron Walker	9/24/2013	Construction	Plant Site (incidental)	Fatality	Intact Carcass	6-30 (maggots)	Carcass intact, desiccated condition	UTM Z11 NAD83 (m)	3726290	687138	Other (explain below)	Unit 2 east of power block, next to pump connex trailer, on bare ground	Mourning dove	Brown/tan all over	Unk	Unk	NO	Sunny	91	Calm	Other (note)	Ed Nieves USFWS	9/24/2013	1:14:00 PM	Bird collected and placed in freezer	Dove found intact on bare ground, approximately 60 feet west of mirror panel
Ron Walker	9/24/2013	Construction	Plant Site (incidental)	Fatality	Intact Carcass	6-30 (maggots)	Carcass desiccated, breast tissue/muscle gone	UTM Z11 NAD83 (m)	3727504	685528	Solar Trough	Unit 1 block 6 row 60, under mirror panel, next to power pylon	Unknown	Grey tan with yellow underbelly	Unk	Unk	NO	Sunny	91	Calm	Graded	Ed Nieves and Jeep Pagel of USFWS	9/24/2013	3:14:00 PM	Bird collected and placed in freezer	Jeep Pagel of USFWS present when bird was collected, bird located on bare ground below mirror panel

## 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 / ☐ IncidentalDate: 9/3/2013 Observer: Eric GermanType of Incident (circle one): ☐ Injury / ☒ Fatality / ☐ NestCondition (circle one): ☐ Intact Carcass / ☒ Dismembered Carcass / ☐ Feathers OnlyAge 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 missing head, legs and feathers intact.

## LOCATION

DATUM: UTM Z11 NAD83 (m) UTM N: 3727385 UTM E: 685600

Found Near (circle one):

☐ Solar Trough / ☒ Evaporation Pond / ☐ Road / ☐ Power Line / ☐ Other (explain below)Location Details: Outside of north evaporation pond, west of gate approximately 5 meters.

## IDENTIFICATION

☒ Bird / ☐ Bat / ☐ Unknown / ☐ Other (circle one)Species (if unknown, write 'unknown'): Unknown GrebeColor/Markings: Black grebe-like feet. Light breast, brownish/blackish backSex (circle one): ☐ Male / ☐ Female / ☒ Unknown Age (circle one): ☐ Adult / ☐ Juvenile / ☒ UnknownIs Animal Tagged? (circle one): ☐ Yes / ☒ NoIdentification Remarks: N/A

## ENVIRONMENTAL CONDITION

Weather (circle one): ☐ Clear / ☐ Fog / ☒ Cloudy / ☐ RainApprox. Temperature (circle one): ☒ °F / °C: 82Wind (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? USFWS Law Enforcement on 9/3/2013 9:51:00 AMActions Taken (e.g., left in place, taken to rehab): Salvaged and placed in freezer per USFWS guidance.

## COMMENTS:

There had been a pied billed grebe that was entangled by its neck in central part of net, reported May 1, 2013. The bird no longer appears to be in netting. This grebe has the possibility of being same bird reported May 1.

- \* 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: 9/3/2013 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: 0800 bird was seen to fly into backside of mirror and reported to be a mortality. 1030 bird was located and found to be alive. It then flew into a mirror. It was collected (alive) and brought to rehab.

### LOCATION

DATUM: UTM Z11 NAD83 (m) UTM N: 3727484 UTM E: 683583

Found Near (circle one):

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

Location Details: Unit 1 block 2 row 54 beneath mirrors.

### IDENTIFICATION

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

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

Color/Markings: Spotting on brown back

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: 82

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? Notified USFWS law enforcement as mortality prior to finding injured bird. Followed up with injured status evening of 9/3. on 9/3/2013 6:00:00 PM

Actions Taken (e.g., left in place, taken to rehab): Bird taken to Blythe rehabilitation.

### 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 Sep 3 10:38:38 PDT 2013  
Position: 11 N 683583 3727484  
Altitude: 409ft  
Azimuth/Bearing: 295° N65W 5244mils (True)  
Elevation Angle: -19.6°  
Horizon Angle: +09.3°  
Zoom: 1X  
injured bird



## 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 / ☒ IncidentalDate: 9/10/2013 Observer: Eric GermanType of Incident (circle one): Injury / ☒ Fatality / NestCondition (circle one): ☒ Intact Carcass / Dismembered Carcass / Feathers OnlyAge 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, eyes missing.

## LOCATION

DATUM: UTM Z11 NAD83 (m) UTM N: 3726179 UTM E: 686033

Found Near (circle one):

Solar Trough / Evaporation Pond / ☒ Road / Power Line / Other (explain below)Location Details: North shoulder of access road unit 2, between blocks 3 and 4, row 79. Power lines above.

## IDENTIFICATION

☒ Bird / Bat / Unknown / Other (circle one)Species (if unknown, write 'unknown'): MacGillivray's WarblerColor/Markings: Yellow breast, grey head, could be male.Sex (circle one): Male / Female / ☒ Unknown Age (circle one): ☒ Adult / Juvenile / UnknownIs Animal Tagged? (circle one): Yes / ☒ NoIdentification Remarks: N/A

## ENVIRONMENTAL CONDITION

Weather (circle one): Clear / Fog / ☒ Cloudy / RainApprox. Temperature (circle one): ☒ °F / °C: 86Wind (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? USFWS Law Enforcement on 9/10/2013 1:20:00 PMActions Taken (e.g., left in place, taken to rehab): USFWS Law Enforcement present. Guidance given to salvage and place in freezer.

## 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 Sep 10 13:20:18 PDT 2013

Position: 11 N 66633 3726179

Altitude: 3850'

Azimuth Bearing: 101° S49E 1796m/s (True)

Elevation Angle: 72.2°

Horizon Angle: 441.1°

Zoom: 1X

Bird mortality access road unit 2 row 49 between block 3 and 4



## 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 / ☒ IncidentalDate: 9/16/2013 Observer: Eric GermanType 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 not able to flush. No obvious signs of injury.

## LOCATION

DATUM: UTM Z11 NAD83 (m) UTM N: 3726803 UTM E: 686040

Found Near (circle one):

☒ Solar Trough / Evaporation Pond / Road / Power Line / Other (explain below)Location Details: Unit 2 block 2 row 49. North end of mirror row.

## IDENTIFICATION

☒ Bird / Bat / Unknown / Other (circle one)Species (if unknown, write 'unknown'): Eared grebeColor/Markings: Solid dark beak.Sex (circle one): Male / Female / ☒ Unknown Age (circle one): ☒ Adult / Juvenile / UnknownIs Animal Tagged? (circle one): Yes / ☒ NoIdentification Remarks: N/A

## ENVIRONMENTAL CONDITION

Weather (circle one): ☒ Clear / Fog / Cloudy / RainApprox. Temperature (circle one): ☒ °F / °C: 90Wind (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? USFWS Law Enforcement on 9/16/2013 9:50:00 AMActions Taken (e.g., left in place, taken to rehab): Brought to rehabilitation center.

## 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: Mon Sep 16 10:12:28 PDT 2013  
Position: 11 N 728649 3720676  
Altitude: 286ft  
Azimuth/Bearing: 173° S07E 3076mils (True)  
Elevation Angle: +13.4°  
Horizon Angle: +06.8°  
Zoom: 1X  
Injured bird unit 2 terrace h row 49. rehab.



## 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 / ☒ IncidentalDate: 9/16/2013 Observer: Eric GermanType of Incident (circle one): Injury / ☒ Fatality / NestCondition (circle one): ☒ Intact Carcass / Dismembered Carcass / Feathers OnlyAge 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, eyes missing.

## LOCATION

DATUM: UTM Z11 NAD83 (m) UTM N: 3726190 UTM E: 686240

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line / ☒ Other (explain below)Location Details: Beneath power line near access road. Unit 2 row 37 between blocks 3 and 4.

## IDENTIFICATION

☒ Bird / Bat / Unknown / Other (circle one)Species (if unknown, write 'unknown'): Yellow-headed BlackbirdColor/Markings: Orange/yellow neck area.Sex (circle one): Male / ☒ Female / Unknown Age (circle one): ☒ Adult / Juvenile / UnknownIs Animal Tagged? (circle one): Yes / ☒ NoIdentification Remarks: N/A

## ENVIRONMENTAL CONDITION

Weather (circle one): ☒ Clear / Fog / Cloudy / RainApprox. Temperature (circle one): ☒ °F / °C: 79Wind (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? USFWS Law Enforcement on 9/16/2013 7:30:00 AMActions Taken (e.g., left in place, taken to rehab): Left in place until confirmed species and re-contact of USFWS Law Enforcement. Then salvaged and placed in freezer per USFWS LE guidance.

## 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: Mon Sep 16 07:54:49 PDT 2013  
Position: 11 W 860340 3726199  
Altitude: 382ft  
Azimuth Bearing: 340° 163°W 5209mils (4.4e)  
Elevation Angle: 88.2°  
Horizon Angle: 167.5°  
Zoom: 1X  
Bird mortality unit 2 real-time review 37



## 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 / ☒ IncidentalDate: 9/17/2013 Observer: Ron WalkerType of Incident (circle one): ☒ Injury / Fatality / NestCondition (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 mourning dove, construction worker heard and saw dove hit backside (non-reflective) side of mirror panel approximately five feet above the ground. Dove appeared to have severe neck injury.

## LOCATION

DATUM: UTM Z11 NAD83 (m) UTM N: 3727393 UTM E: 685360

Found Near (circle one):

☒ Solar Trough / Evaporation Pond / Road / Power Line / Other (explain below)Location Details: Unit 1 block 7 row 51 north end

## IDENTIFICATION

☒ Bird / Bat / Unknown / Other (circle one)Species (if unknown, write 'unknown'): Mourning doveColor/Markings: Overall light tan and grey markings, pointed tailSex (circle one): Male / Female / ☒ Unknown Age (circle one): Adult / Juvenile / ☒ UnknownIs Animal Tagged? (circle one): Yes / ☒ NoIdentification Remarks: N/A

## ENVIRONMENTAL CONDITION

Weather (circle one): ☒ Clear / Fog / Cloudy / RainApprox. Temperature (circle one): ☒ °F / °C: 88Wind (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 biologist and Ed Nieves of USFWS on 9/17/2013 9:05:00 AMActions Taken (e.g., left in place, taken to rehab): Dove taken to rehabilitation center in Blythe

## COMMENTS:

Dove taken to rehabilitation center by designated biologist

- \* 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 / ☐ IncidentalDate: 9/17/2013 Observer: Eric GermanType of Incident (circle one): ☐ Injury / ☒ Fatality / ☐ NestCondition (circle one): ☒ Intact Carcass / ☐ Dismembered Carcass / ☐ Feathers OnlyAge 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 floating in north evaporation.  
Not accessible. Feet and beak shape able to be seen. Appears to be a water bird.

## LOCATION

DATUM: UTM Z11 NAD83 (m) UTM N: 3727429 UTM E: 685679

Found Near (circle one):

☐ Solar Trough / ☒ Evaporation Pond / ☐ Road / ☐ Power Line / ☐ Other (explain below)Location Details: Within water of north evaporation pond. Mostly submerged. No photo - observed by designated biologist and on-site biologist.

## IDENTIFICATION

☒ Bird / ☐ Bat / ☐ Unknown / ☐ Other (circle one)Species (if unknown, write 'unknown'): Unknown submerged water birdColor/Markings: Dark feet and bill. Estimated 12 inches.Sex (circle one): ☐ Male / ☐ Female / ☒ Unknown Age (circle one): ☐ Adult / ☐ Juvenile / ☒ UnknownIs Animal Tagged? (circle one): ☐ Yes / ☐ NoIdentification Remarks: N/A

## ENVIRONMENTAL CONDITION

Weather (circle one): ☒ Clear / ☐ Fog / ☐ Cloudy / ☐ RainApprox. Temperature (circle one): ☐ °F / °C: 90Wind (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? USFWS Law Enforcement on 9/17/2013 9:35:00 AMActions Taken (e.g., left in place, taken to rehab): Left in place.

## 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 / ☐ IncidentalDate: 9/18/2013 Observer: Eric GermanType of Incident (circle one): ☐ Injury / ☒ Fatality / ☐ NestCondition (circle one): ☒ Intact Carcass / ☐ Dismembered Carcass / ☐ Feathers OnlyAge 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: Entangled in south evaporation pond netting. Head extended through top netting.

## LOCATION

DATUM: UTM Z11 NAD83 (m) UTM N: 3727348 UTM E: 685639

Found Near (circle one):

☐ Solar Trough / ☒ Evaporation Pond / ☐ Road / ☐ Power Line / ☐ Other (explain below)Location Details: Netting above south evaporation pond. Northwest quadrant.

## IDENTIFICATION

☒ Bird / ☐ Bat / ☐ Unknown / ☐ Other (circle one)Species (if unknown, write 'unknown'): Grebe species (horned).Color/Markings: Appears to have whitish beak tip and thicker bill.Sex (circle one): ☐ Male / ☐ Female / ☒ Unknown Age (circle one): ☐ Adult / ☐ Juvenile / ☒ UnknownIs Animal Tagged? (circle one): ☐ Yes / ☐ NoIdentification Remarks: No bands observed.

## ENVIRONMENTAL CONDITION

Weather (circle one): ☒ Clear / ☐ Fog / ☐ Cloudy / ☐ RainApprox. Temperature (circle one): ☐ °F / °C: 100Wind (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? USFWS Law Enforcement on 9/18/2013 2:15:00 PMActions Taken (e.g., left in place, taken to rehab): Left in place.

## 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: Thu Sep 19 12:27:51 PDT 2013  
Position: 11 N 665616 3727348  
Altitude: 389ft  
Azimuth/Bearing: 118° S62E 2098mils (True)  
Elevation Angle: +85.1°  
Horizon Angle: -62.4°  
Zoom: 4X  
south evap pond 9/18/13 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 / ☐ IncidentalDate: 9/18/2013 Observer: Eric GermanType 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 could not flush. No obvious signs of injury. Alive.

## LOCATION

DATUM: UTM Z11 NAD83 (m) UTM N: 3726804 UTM E: 684204

Found Near (circle one):

☐ Solar Trough / Evaporation Pond / Road / Power Line / Other (explain below)Location Details: Solar array. Unit 1 block 4 row 20.

## IDENTIFICATION

☐ Bird / Bat / Unknown / Other (circle one)Species (if unknown, write 'unknown'): Pied-billed Grebe.Color/Markings: Thick bill with ringSex (circle one): Male / Female / ☐ Unknown Age (circle one): ☐ Adult / Juvenile / UnknownIs Animal Tagged? (circle one): Yes / ☐ NoIdentification Remarks: N/A

## ENVIRONMENTAL CONDITION

Weather (circle one): ☐ Clear / Fog / Cloudy / RainApprox. Temperature (circle one): ☐ °F / °C: 85Wind (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? USFWS Law Enforcement on 9/18/2013 2:15:00 PMActions Taken (e.g., left in place, taken to rehab): Bird brought to rehabilitation center.

## 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: Wed Sep 18 09:27:51 PDT 2013  
Position: 11 N 728629 3720662  
Altitude: 295ft  
Azimuth/Bearing: 018° N18E 0320mils (True)  
Elevation Angle: -00.4°  
Horizon Angle: +20.1°  
Zoom: 1X  
bird take. to rehab



## 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 / ☒ IncidentalDate: 9/24/2013 Observer: Ron WalkerType of Incident (circle one): Injury / ☒ Fatality / NestCondition (circle one): ☒ Intact Carcass / Dismembered Carcass / Feathers OnlyAge 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, desiccated condition

## LOCATION

DATUM: UTM Z11 NAD83 (m) UTM N: 3726290 UTM E: 687138

Found Near (circle one):

Solar Trough / Evaporation Pond / Road / Power Line / ☒ Other (explain below)Location Details: Unit 2 east of power block, next to pump connex trailer, on bare ground

## IDENTIFICATION

☒ Bird / Bat / Unknown / Other (circle one)Species (if unknown, write 'unknown'): Mourning doveColor/Markings: Brown/tan all overSex (circle one): Male / Female / ☒ Unknown Age (circle one): Adult / Juvenile / ☒ UnknownIs Animal Tagged? (circle one): Yes / ☒ NoIdentification Remarks: N/A

## ENVIRONMENTAL CONDITION

Weather (circle one): ☒ Clear / Fog / Cloudy / RainApprox. Temperature (circle one): ☒ °F / °C: 91Wind (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? Ed Nieves USFWS on 9/24/2013 1:14:00 PMActions Taken (e.g., left in place, taken to rehab): Bird collected and placed in freezer

## COMMENTS:

Dove found intact on bare ground, approximately 60 feet west of mirror panel

- \* 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 Sep 24 13:06:43 EDT 2013  
Position: 11 N 687138 3728280  
Altitude: 367ft  
Azimuth/Bearing: 266° S86W 4739m40 21m40  
Elevation Angle: -59.0°  
Horizon Angle: +03.9°  
Zoom: 1X  
avian mortality unit 2 powerdillo parker dam





## 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 / ☒ IncidentalDate: 9/24/2013 Observer: Ron WalkerType of Incident (circle one): Injury / ☒ Fatality / NestCondition (circle one): ☒ Intact Carcass / Dismembered Carcass / Feathers OnlyAge 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 desiccated, breast tissue/muscle gone

## LOCATION

DATUM: UTM Z11 NAD83 (m) UTM N: 3727504 UTM E: 685528

Found Near (circle one):

☒ Solar Trough / Evaporation Pond / Road / Power Line / Other (explain below)Location Details: Unit 1 block 6 row 60, under mirror panel, next to power pylon

## IDENTIFICATION

☒ Bird / Bat / Unknown / Other (circle one)Species (if unknown, write 'unknown'): UnknownColor/Markings: Grey tan with yellow underbellySex (circle one): Male / Female / ☒ Unknown Age (circle one): Adult / Juvenile / ☒ UnknownIs Animal Tagged? (circle one): Yes / ☒ NoIdentification Remarks: N/A

## ENVIRONMENTAL CONDITION

Weather (circle one): ☒ Clear / Fog / Cloudy / RainApprox. Temperature (circle one): ☒ °F / °C: 91Wind (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? Ed Nieves and Jeep Pagel of USFWS on 9/24/2013 3:14:00 PMActions Taken (e.g., left in place, taken to rehab): Bird collected and placed in freezer

## COMMENTS:

Jeep Pagel of USFWS present when bird was collected, bird located on bare ground below mirror panel

- \* 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 Sep 24 10:15:01 PDT 2013  
Position: 11 N 685528 E 3727504  
Altitude: 5000  
Zenith/Azimuth: 175/ 155  
Heading/Angle: -92.0°  
Pitch/Angle: -37.2°  
Zoom: 1X  
Unit: 1 Block 6 row 60 area mortality

N 685528 E 3727504  
UNIT 1 BLOCK 6 ROW 60  
RON WALKER  
USFWS CONTACT 9/24 1514  
(JEEP PAGE 1)  
SALVAGED 9/24/13 @ 1515



**ATTACHMENT 5**

**CORRESPONDENCE**

From: German, Charles  
Sent: Thursday, September 19, 2013 2:29 PM  
To: Magdalena Rodriguez; Tera\_Baird@fws.gov; Watson, Carol@Energy  
Cc: mmassar@blm.gov; Guigliano, Jennifer; Jennifer.Gavaldon@fpl.com; Ireland,  
Mike; Dayman, Shelly; Chuck.griffi@us.bureauveritas.com; German, Charles;  
'William Watson'; rhaverland@blattnerenergy.com; Gardner, Amy H;  
jkalish@blm.gov  
Subject: Genesis Evaporation Pond Mortality 9/17 and 9/18  
Attachments: 09172013 unknown water bird mortality\_evap pond.pdf; 09182013 grebe  
mortality\_evap pond.pdf

Attached are two Avian and Wildlife Reporting Forms: one for September 17, 2013, and one for September 18, 2013. One bird was located within the pond. The second was found entangled in netting.

## **Appendix C**

### **Haz-6**


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

①

Genesis Site Safety Orientation

WEAP

9/9/2013

	Signature	Print Name	Company
1		DARRELL WILLIAMS	FE MORAN
2			FE Moran SHS
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5			FE Moran SHS
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14

# Genesis Site Safety Orientation / NEAP

SEPT 13

	Signature	Print Name	Company
1		Gerardo Morán	SUKUT
2	Ricardo Gonzalez	Ricardo Gonzalez	SUKUT
3	Derek Williams	Derek Williams	Titan
4	Capelton, Richard	Richard Capelton	TITAN
5	Anthony LaFare	Anthony LaFare	Titan
6	David Parbon	David Parbon	Titan
7	Paul Decker	PAUL Decker	TITAN (RIVERA)
8	Abel Galick	Abel Galick	Titan Trans
9	RICK GRAY	Rick Gray	CRAWFORD ASSOCIATES
10	NEIL HINTON	Neil Hinton	SUKUT
11	David Vaare	David Vaare	Titan
12	Glenn Alderson	Glenn Alderson	Titan
13	Brandon Cochran	Brandon Cochran	SUKUT
14	Juan Lopez	Juan Lopez	SUKUT
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10

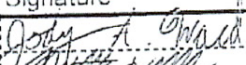
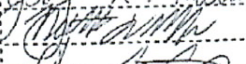
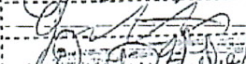
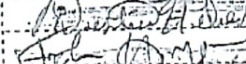
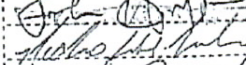
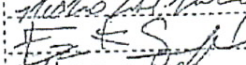
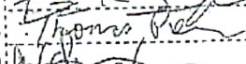
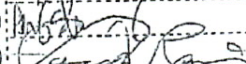

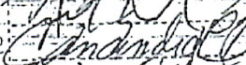
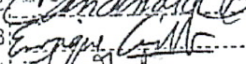
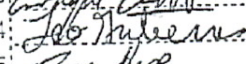
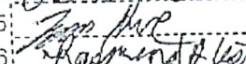
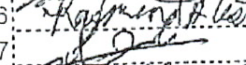
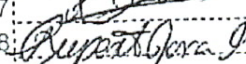
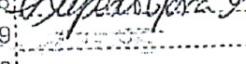
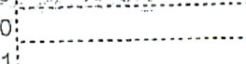
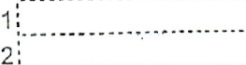
Signature	Print Name	Company
[Signature]	Elias Ramirez	Siemens
[Signature]	JUAN MCSTULO	SIEMENS
[Signature]	JESUS PEDROZA	OCEAN BLK
[Signature]	XAVIER GARCIA	SENER
[Signature]	DURGESI PINATKE	SIEMENS
[Signature]	William Helm	B+W Fluid
[Signature]	SASO P. Lottwell	B+W Fluid
[Signature]	John Neff	B+W Fluid
[Signature]	Mackie Ramos	Western Utilities
[Signature]	Dylan Dyer	western utilities

# Genesis Site Safety Orientation / WEAP


Signature	Print Name	Company	
1	Tian Zhuang	Siemens	9/3/13
2	Ed Capellucci	Siemens	9/3/13
3	Angie de la Vega	NextEra	9/4/13
4	Bob Finken	Delta AQS	9/4/13
5	Gary Bridge	Delta AQS	9-4-13
6	ANWAR TARAPDAR	GE	9-4-13
7	Shawn Kilok	GE	09/04/13
8	SHANNON SCROGGINS	DELTA AQS INC	9/4/13
9	Clint Rogers	ALSTOM Grid	9/5/13
10	Eric Egely	Alstom Grid	9/5/13
11	Blando Rosales	Aggreko	9-5-13
12	Floyd Visaraga	WASATCH EL	9-6-13
13	LOUIS MARTINEL	WASATCH ELEC.	9-6-13
14	Dustin Peterson	Wasatch Electric	9-6-13
15	BRENT DUVAL	WASATCH ELECTRIC	9-6-13
16	Shaun Clegg	Wasatch Electric	9-6-13
17	Petronila Rodriguez	Crown Fence Co	9/9/13
18	Dale Herlihy	Crown fence co	9/9/13
19	KEITH SMITH	CROWN FENCE CO	9-9-13
20	Kyle Blackmeyer	CROWN	09-09-13
21	KENIN KAVELER	SENTINEL EQUIPMENT	9-10-13
22	STEVEN WILLIAMS	SIEMENS	9-11-13
23	Chris Ellis	Siemens	9-11-13
24	DAVID BERUBE	CCI	9-12-13
25	Michael Merkel	Helium Leak Testing Inc.	9-18-13
26	CHRIS SODEREN	Helium Leak Testing Inc.	9-18-13
27	Gilbert A. Guerrero	Sunbelt Transformer	9-19-13
28	DARIO FREIJONES	SENER	9-19-13
29	Carlos Zamora	SIEMENS	9-20-13
30	Jason Mayyar	SIEMENS	9-20-13
31	MARC FRITZ	UPS	9-23-13
32	Don Lamb	UPS	9/23-13
33	DON LEDDY	FLOW SERVE	9/23/13
34	Fred Sundstrom-Kann	Siemens	9/25/13
35			



# Genesis Site Safety Orientation / WEAP

	Signature	Print Name	Company	
F 1		JODY A. WARD	NEUTRON	9-9-13
2		Nathan Habecker	Neutron	9-9-13
3		Jeremy Hodges	Neutron	9-9-13
4		Dustin Hebert	Neutron	9-9-13
5		Joseph Hopper	Neutron	9-9-13
F 6		Nicholas Nunley	NEUTRON	9-9-13
F 7		Frank Sampson	Neutron	9-9-13
F 8		Thomas Pierson	Neutron	9-9-13
9		ANDREW SANCHEZ	NEUTRON	9-9-13
F 10		Joseph Ramirez	Neutron	9-9-13
11		NEAL FREDERICKS	NEUTRON	9-10-13
12		CASSANDRA L. BANKS	NEUTRON	9-10-13
13		Enrique Arellano	Neutron	9-12-13
14		LEO GUTIERREZ	Neutron	9-12-13
15		Logan Kral	National Conductors	9-18-13
16		RAY TESTER	NCC	9-18-13
17		Javier P. Casillas	NEUTRON	9/26/13
18		Rupert Tozara	Neutron	9/26/13
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 "Raising the Standard" Training Roster			
Instructor: Eric Mahler Branch Safety Manager		Time Start: 12:00 am/pm	Date: SEPT 26, 2013
		Time End: 4:00 am/pm	Total Hours: 4
Subject: Genesis Training		Special Visual Used: Video - Power point - Tests	
Site Specific - Environmental - LOTO - Heat Stress Prevention- Fit Test			
Name (Please Print)	Signature	Social Security No. [ Last four digits]	
Refugio Aguirre	Refugio Aguirre	6016	
Sergio Sosa-Pirce	Sergio Sosa-P	3135	
Julio Amaro	Julio Amaro	3899	
Erik Hernandez	Erik	5081	
Jose Sosa	Jose Sosa	3138	
Porfirio Levario	Porfirio Levario	3484	
MARIO BACZA	Mario P Bacza	9916	
Pedro Gutierrez	Pedro Gutierrez	4149	
Trainer Signature: Eric Mahler		Date: 9/26/13	





### ***"Raising the Standard"***

## Training Roster

[illegible]






Genesis Site Safety Orientation / WEPAP

ARB Inc.

(5)

September 2013

(1)

	Signature	Print Name	Company	Date
1		Kevin Seals	ARB	9-3-13
2		Nicholas L. Martinez	ARB	9-9-13
3		Robert Rivas	ARB	9-11-13
4		Andres Cardenas	ARB	9-16-13
5		James Clouse	ARB	9-30-13
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"Raising the Standard"

## Training Roster

Instructor: Eric Mahler	Time Start: 12:00 am/pm	Date: SEPT 26, 2013
Branch Safety Manager	Time End: 4:00 am/pm	Total Hours: 4
Subject: Genesis Training	Special Visual Used: Video - Power point - Tests	Location: Rancho Dominguez, CA Shop

Site Specific - Environmental - LOTO - Heat Stress Prevention- Fit Test

Name (Please Print)	Signature	Social Security No. [ Last four digits]	
Refugio Aguirre	Refugio Aguirre	6016	
Sergio Sosa-Perez	Sergio Sosa-P	3135	
Julio Amador	Julio Amador	3899	
Erik Hernandez	Erik	5081	
Jose Sosa	Jose Sosa	3138	
Porfirio Levario	Porfirio Levario	3484	
MARIO BACZA	Mario Q Bacza	9916	
Pedro Gutierrez	Pedro Gutierrez	4149	

Trainer Signature: Eric Mahler Date: 9/26/13

## "Raising the Standard"

## Training Roster

Instructor: Eric Mahler	Time Start: 8:00 am/pm	Date: SEPT 27, 2013
Branch Safety Manager	Time End: 1:00 am/pm	Total Hours: (5)
Subject: Genesis Training	Special Visual Used: Video - Power point - Tests	Location: Rancho Dominguez, CA Shop
Site Specific - Environmental - LOTO - Heat Stress Prevention & FIT TEST		
Name (Please Print)	Signature	Social Security No. [ Last four digits]
Roger Hernandez	<i>[Signature]</i>	<del>XXXX</del> -2702
ABEL T. OLIVA	<i>[Signature]</i>	5353
JOSE MARIANO	JOSE MARIANO	5537
<i>[Empty rows follow]</i>		

Trainer Signature:

Date:

9/27/13



## **Appendix D**

### **Civil-1**

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

**CBO Submittal September 2013**

Project	Submittal Title	Submittal Description	Due Date	Date Submitted	BV Completed	Lead Plan Reviewer	Plan Checker	Expedite	CBO Approved	CBO Conditionally Approved	Review Comments
Genesis Solar Energy Project	ELEC-1-505.0 - Classification for Gas Letdown Area - PC2	CBO Review Comments		9/25/2013	9/26/2013	Son, Cristian		Yes	Hazard LocationGas Letdown Narative Rev2.pdf		
Genesis Solar Energy Project	ELEC-1-505.0 - Classification for Gas Letdown Area - PC1	Classification for Gas Letdown Area		9/23/2013	9/25/2013			Yes			BV Comment Letter ELEC-1-505.0 - Classification for Gas Letdown Area - PC1 Genesis.pdf,Newtron Narritive Class #1 Div #2 mitigation at Natural Gas letdown Station on PB#1 & PB#2.pdf,Genesis K030-RFI-079 Rev 1 - Fluor Response.pdf,Pentair Product Data Sheet 9-8-13.pdf,Classified Area Resolution 9-18-13 Article 501.pdf,GSEP-K030-T-0106.pdf,A4PA-2-NL-7-17_R2.PDF,A4PA-1-AC-6-01_R2.PDF

Genesis Solar Energy Project	STRUC-1-134.0 - PDC 2A Structural Calculations - PC3	PDC 2A Structural Calculations		8/29/2013	9/12/2013	Ho, Alan		No		Comments_STRUC-1-134.0-PC2.pdf,6080CanopyBack Sheet 1 - Certified.pdf,6080CanopySides Sheet 1 - Certified.pdf,6080CanopyWrap Sheet 1 - Certified.pdf,30100653-1600-SF-01 Calcs-Certified[2].pdf,BV Comment Letter - STRUC-1-134.0 - PDC 2A Structural Calculations - PC2 - Genesis [2].pdf,Canopy Assembly6080-Model.pdf,Fluor Responses to CBO Comments on STRUC-1-134.0- PDC 2A Structural Calculations - PC1- Genesis .pdf,PEC12-30100653-1600-GI01_R- Certified.pdf,PEC12-30100653-1600-PA01_R0 Certified.pdf,PEC12-30100653-1600-PA02_R0 Certified.pdf,PEC12-30100653-1600-PA03_R0 Certified.pdf,PEC12-30100653-1600-PB01_R2 Certified.pdf,PEC12-30100653-1600-PB02_R0 Certified.pdf,PEC12-30100653-1600-PB03_R1 Certified.pdf,PEC12-30100653-
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Genesis Solar Energy Project	STRUC-1-806.0 - EB1 and EB2 Cabletray Support Steel - PC5	EB1 & EB2 Cabletray Support Steel		8/28/2013	9/4/2013	Rodriguez, Eric	No	1_R2.pdf,2_R0.pdf,757-12 Structural Calculations_rev 8-26-13_.pdf,COLUMN LOADS ON SOG 4-16-13 1.pdf,COLUMN LOADS ON SOG 4-16-13 2.pdf,E1_R0.pdf,E2_R4.pdf,E3_R4.pdf,0_R2.pdf		
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**Appendix E**

**Cultural Monitor Reports**

**Cul-8 and Cul-13**

**Construction Monitoring Plan and Flag and Avoid**

**PAL-5**

**PRS Monitoring and Stop Work Authority**

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

**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 September.

Table 1. CRMs and NAM onsite during September (by day)

September 2013		
Date	Number of Cultural Resource Monitors	Number of Native American Monitors
9/3/2013	1	1
9/4/2013	1	1
9/5/2013	1	1
9/6/2013	1	1
9/7/2013	1	1
9/8/2013	1	1
9/9/2013	1	2
9/10/2013	1	2
9/11/2013	1	2
9/12/2013	1	2
9/13/2013	1	2
9/16/2013	1	1
9/17/2013	1	1
9/18/2013	1	1

9/19/2013	1	1
9/20/2013	1	1
9/23/2013	1	2
9/24/2013	1	2
9/25/2013	1	2
9/26/2013	1	2
9/27/2013	1	2
9/30/2013	1	1

**Number of Isolate Forms submitted- 0**

**Number of Site Update Forms submitted- 0**

**Number of Monitoring Logs submitted - 22**

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 grading, backfilling, and various trenching activities on site. One artifact was found during the month of September, recorded as part of a site. 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.

**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:

229,082	Man hours logged this month
2,056,331	Man hours logged during 2013
3,394,701	Job total man-hours

Project total RIR	0.82
2013 RIR	0.68
Project LTIR	0.00

There were 2 recordable injuries reported in the Month of September 2013:

9-05-13 Newtron employee stepped through an open hole resulting in a fracture to his right leg fibula resulting in a recordable injury.

The employee was working night shift, 4 p.m. through 2:30 a.m., in the power block of unit one. At the time of the incident he was working at the top elevation of the feed water structure preparing for a conduit run on the southwest side of the platform. The employee was equipped with a hard hat light to complete his task. As the employee traversed the platform he accidentally stepped into an open hole approximately 2'x2' resulting in the injury. He was taken to the Hospital in Blythe and diagnosed with fractured fibula. Newtron also confirmed the diagnosis with a second physician the following day.

Contributing factors:

Uncovered opening in the grating large enough to step through

Dark and unlit work area-insufficient lighting

JHA did not cover the task being performed- hazards not identified pre-task

Recommendation:

The job hazard analysis is an integral part to any preliminary job review and should be conducted prior to entering unfamiliar work areas. The JHA and preliminary job review should be done at the start before darkness becomes an additional hazard.

A walk down of the area during daylight could have helped exposed the hazard and mitigate as necessary

09-20-13 Newtron Employee received sutures to close a wound on his right index finger as a result of a pinch between the overhead roof structure on a UTV and the ground after the vehicle had overturned.

At approximately 7:30 pm Newtron Foreman was driving a two passenger ATV with a passenger. While making a left hand U-turn the operator exerted too much throttle causing cause the ATV to tip onto the passenger side. The passenger had his right hand on the upper part of the roof structure when the vehicle overturned. His hand was between the structure and the ground. The employee was taken to Palo Verde Hospital and the wound received approximately 20 sutures. No signs of fractures or nerve damage were discovered during the doctor's evaluation. The employees were wearing seat belts and good leather gloves. The employee was released for work and follow up doctor's visit.

Recommendation:

Newtron will mechanically govern the top speed of all site carts.

Newtron shifted Safety Personnel to bolster night supervision.

Operator's employment terminated.

Non-recordable injuries reported during September 2013:

9-02-13 (Labor Day) PMI reported a 1st aid when an employee (Forman) stepping into the fire pump building slipped and skinned his shin on the entrance. This also caused a small abrasion on his wrist. He was taken to a physician in Blythe. The shin was cleaned and bandaged. The employee was released

without restriction the same day. Muddy conditions and a step up into the building were contributing factors. An exterior step is also planned for the building.

Thursday 12th a Newtron employee reported pain in his back when he stepped down onto the ground from a step ladder. The 8' step ladder was set correctly on even ground. The employee stepped off with a twisting motion in a hurry when he felt the pain. Onsite was called. Bio-freeze ointment was applied and the employee was able to return to regular duty. Workers reminded of proper body placement and to avoid twisting motion when working or carrying loads.

Friday 13th Petrochem employee experienced painful cramps after lunch and was transported to the Hospital in Blythe. The employee felt fine while working. During lunch the employee stated he had eaten a heavy lunch and drank two very cold bottles of Gatorade. After lunch the employee started to feel cramping that continued to worsen. Petrochem decided to seek medical attention. By the time the employee reached the hospital he was feeling better but was held for observation. The employee was released for work without restriction. Personal lifestyle is considered to be contributing factor. Employees were coached on maintaining personal health on and off the site.

Friday 13th PMI employee was struck on the shoulder by a falling object. A worker was struck by a 1" pipe cap that had fallen approximately 10'. The cap was being unscrewed from the end of a pipe when it was fumbled and fell onto the worker below. The employee requested a doctor's opinion and was diagnosed with a contusion on his shoulder and given ibuprofen for pain. The employee returned to work without restriction. Employees reminded to always be aware of overhead work.

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

Contractor Safety Audits were completed and actions taken to correct deficiencies.

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 Veritas weekly.

The total Safety Orientations/WEAP training for the month 108

September 2, 2013

## Chemical Safety



**Make the RIGHT Choice**

When working with hazardous chemicals is part of your job, it is important for you to know the risks you face with each chemical you use. This guide will outline the kinds of injuries that chemicals can cause, types of chemical exposures and their effects and factors that influence the severity of exposure.

### Exposure - How Much, How Often and How Long?

Chemicals greatly vary in their toxicity, but three factors; the amount, the frequency and the duration of exposure must always be considered. Acutely toxic chemicals can injure after a single exposure, while other chemicals cause harm after repeated exposures. Being aware of which chemicals are toxic only when exposure is repeated or prolonged can help you protect yourself from this dangerous group of substances that injure without obvious or immediate symptoms.

### Physical Characteristics Determine Exposure Level

Extremely volatile chemicals evaporate readily and thus contaminate the air you breathe more easily than other chemicals do. If flammable they are an extreme fire or explosion hazard as well. Corrosive or highly reactive chemicals are acutely toxic and will injure skin, respiratory passages or eyes immediately on contact. Consult your MSDS for information on the physical characteristics of chemicals you use.

### Routes of Entry

How a chemical gets into your body influences its toxicity. Your skin protects against some chemicals that are toxic only if you inhale them, while others are deadly only if swallowed. Still other chemicals can be handled safely but will injure eyes on contact. Know which routes of entry-skin, mouth, lungs, eyes are dangerous for the chemical you use, and always use protective equipment to prevent those kinds of exposures.

### Kinds of Reactions

If you are exposed to a hazardous chemical, you can expect one of two kinds of reactions: local or systemic reactions. Local reactions occur at the place where the exposure occurred-for example, skin, eyes or lungs-and may range from minor irritation to severe tissue damage. Breathing dangerous chemical vapors may injure lungs and respiratory passages, while swallowing such chemicals can damage your mouth, esophagus, stomach and intestines. Although most local reactions are immediate, some, such as allergic rashes, occur only after repeated exposure and may-vary from one person to another. When chemicals enter the blood through the skin, eyes, mouth or, most frequently, the lungs, certain organs (called "target organs") or your entire body can be damaged; this is a systemic reaction. Systemic reactions can be immediate but often are delayed: You don't know they are happening until they have done severe damage.

### Do Your Homework

To protect yourself from unexpected injury from a hazardous chemical, refer to the MSDS for that chemical. It will list the signs and symptoms of chemical toxicity for both local and systemic reactions as well as the target organs and primary routes of entry. Always use personal protective equipment and follow safety guidelines appropriate for the chemical. Avoid relying on your memory or tips from co-workers: Review the MSDS whenever you have the slightest doubt about the hazards of any chemical.

With different phases of startup occurring in power block two it is important to consult your safety department with any questions regarding the safe handling, storage and usage of newly introduced chemicals. MSDS sheets are on file in your company's hazard communication book for reference. Temporary safety showers and eyewash stations are staged in power block two; one under the ACC and the other in area 17.



**Make the RIGHT Choice**

September 9, 2013

### Slips, Trips and Falls

According to research from The University of Wisconsin, slip, trip and fall accidents are second only to automobile accidents in causing personal injury. Falls on stairways alone result in over 1 million disabling injuries each year.

Slips, trips and falls cause numerous injuries every day. But they are among the easiest hazards to correct. Take the time to look around your workplace for these hazards and work to prevent them. The following items represent the bulk of the exposure to falls on a construction site.

#### *Ladders:*

- Always use the right ladder, never use a step ladder as a straight ladder
- Ensure ladders are set up properly and on level ground
- Tie them off at the top
- Do not over reach
- Do not over extend yourself on the ladder
- Always face the ladder and try to use both hands when climbing

#### *Floor Openings:*

- Floor openings should be properly covered
- Covers must be able to support walls the same as the floor
- Covers should be firmly attached to the floor/walking/working surface
- Covers should be marked as such. For example: "Cover" or "Hole"

#### *Stairways:*

- Use handrails
- Watch where you step
- Keep your view clear
- Concentrate on the stairs
- Do not run up or down the stairs
- Keep stair well clean

#### *Housekeeping:*

- Keep tools, trash, scrap materials out of walkways
- Clean as you go
- Keep unnecessary tools, materials and equipment out of your work area
- When not in use, tools and other equipment should be kept in proper storage places
- Report slip, trip and fall hazards to your immediate supervisor so repairs can be initiated
- Ensure access areas; ladders, ramps and doorways are clutter free
- Place electrical cords, leads and hoses so that they do not lie in heavily traveled areas, overhead if possible.

Paying attention to things around you like ladders, floor openings and stairways will help prevent a fall. The best way to prevent slips, trips and falls is good housekeeping in all work areas. Safety rules for preventing slip, trip, and fall hazards really are just "common sense" rules. Nevertheless, a look at the statistics tells us they need to be repeated to eliminate the hazards, which are costing time, money and a lot of pain.



**Make the RIGHT Choice**

September 16, 2013

## Safe Scaffold Usage

An estimated 2.3 million construction workers, or 65 percent of the construction industry, work on scaffolds. Protecting these workers from scaffold-related accidents may prevent some of the 4,500 injuries and over 60 deaths every year (Bureau of Labor Statistics), at a savings for American employers of \$90 million in workdays not lost. In a recent BLS study, 72 percent of workers injured in scaffold accidents attributed the accident either to the planking or support giving way or to the employee slipping or being struck by a falling object. All of these accidents can be controlled by compliance with OSHA standards.

### Protect Yourself

- Scaffold must be designed by a qualified person. Supported scaffolds must be able to support their own weight and at least 4 times the maximum intended load .
- A competent person must inspect a scaffold before each work shift and after anything happens that could affect the structure. The competent person must be trained in scaffold safety.
- A competent person must supervise if a scaffold is assembled, changed, moved or taken apart.
- **Power lines:** Keep scaffolds 10 feet or more from power lines.
- **Weather:** You cannot work on a scaffold in high winds or a storm unless a competent person says it is safe.

### Guidelines for Checking a Scaffold

- If a scaffold is more than 2 feet above or below a level, there must be a way to get on or off — such as a ladder, ramp or stair tower. The access must not be more than 14" from the scaffold.
- Ensure the scaffold is on a solid, firm foundation.
- Uprights must be vertical and braced to prevent swaying; platforms must be level.
- Scaffold platforms and walkways must be 18" wide or more.
- For supported scaffolds, check at least these points:
  1. Completely planked platforms
  2. Proper access
  3. Complete guardrails
  4. Proper ties to buildings, where required.

### Fall protection

- On supported scaffolds the top rail must be 38" to 45" above the platform. A top rail must be strong enough to hold 200 lb. A mid-rail must be about halfway between the platform and the top rail; most mid-rails must be able to hold 150 pounds.
- Don't let junk collect on the scaffold. You can trip and fall.

### Training

- The employer must have a qualified person provide safety training for each worker who *uses* a scaffold. A competent person must give safety training to any worker who assembles, dismantles, moves, operates, repairs, maintains or inspects scaffolds.
- If the worksite changes, the type of scaffold or safety equipment changes or where inadequacies in an affected employee's work involving scaffolds indicate that the employee has not retained proficiency of safe scaffold usage, workers using scaffolds must be retrained.

September 23, 2013

## Weekly Focus

### Use Care with Compressed Air

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

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

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

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

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

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

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

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



**Make the RIGHT Choice**

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



Unit 2 COD: November 1<sup>st</sup>, 2013  
Unit 1 COD: April 1<sup>st</sup>, 2014

**September 3, 2013**

**Safety:**

- ♦ 9-02-13 (Labor Day) PMI reported a 1st aid when an employee (Forman) stepping into the fire pump building slipped and skinned his shin on the entrance. This also caused a small abrasion on his wrist. He was taken to a physician in Blythe. The shin was cleaned and bandaged. The employee was released without restriction the same day. Muddy conditions and a step up into the building were contributing factors. An exterior step is also planned for the building.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 1- Stripping electrical supports. Pumping water and clean up from rain.

**Solar Field Header Piping (K021):**

- ♦ Unit 1- Installing and welding header pipe in Block 6, 8 and North/South. Installing interconnecting pipe in Blocks 4 and 6.

**Power Block Piping and Mechanical (K022):**

- ♦ Unit 1- Installing and welding pipe in all areas. Post weld heat treat on Train 1. Prepping for hydro tests. Working punch list on Closed Cooling, Circulation Water and Demineralized Water. Detailing Steam Turbine Generator and Feed water steel.

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 1-Working substations A and C. Terminating in Ring 3.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 2- Installing tray covers and lighting.
- ♦ Unit 1- Installing conduit in all area's. Installing tray in Area's 11,22,17 and 24. Terminating in Area's 12,18,17 and 20. Pulling cable in Area's 23,17,18,23,21,12 and 20.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 1- Installing supports and piping around the Expansion Tank.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 2- Installing conduit and pulling cable to panels.
- ♦ Unit 1- Setting Heat Trace panels and installing conduit.

**Site Safety Topic Of The Week:**  
*"Chemical Safety"*

Weather		
Clear	Temp-High 105	Winds-Southwest at 5 mph



Solar Field 2 Block 3



Solar Field 1 Block 8



**Pylon, SCE Assembly and Installation(K100):**

- ♦ Unit 1- Setting SCE's in Block 8. Leveling SCA's in Block 4. Aligning pylons in Block 8.

**HCE Tube Installation (K102):**

- ♦ Unit 1- Installing HCE tubes in Block 6. Welding in Block 7. Installing crossovers in Block 4.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Continue with Steam Blows.

**Finish Grade and Final Paving (K211):**

- ♦ No Activity.

Personnel Onsite	Total
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	3
Sukut (K010)	19
BPC (K021)	65
PMI (K022)	270
Newtron (K029)	6
Newtron (K030)	170
Fe Moran (K032)	10
Petrochem (K036)	25
BPC (K100)	83
BPC (K102)	65
B&W Fluid Dynamics (K205)	4
Sukut (K211)	0
<b>Total Personnel Onsite</b>	<b>812</b>



Unit 2 COD: November 1<sup>st</sup>, 2013  
Unit 1 COD: April 1<sup>st</sup>, 2014

**September 4, 2013**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 1- Excavating pipe supports. Restoring site from rain.

**Solar Field Header Piping (K021):**

- ♦ Unit 1- Installing and welding header pipe in Block 8 and North/South. Installing interconnecting pipe in Blocks 4 and 6.

**Power Block Piping and Mechanical (K022):**

- ♦ Unit 1- Installing and welding pipe in all areas. Post weld heat treat on Train 1. Filling for hydro tests. Working punch list on Closed Cooling, Circulation Water and Demineralized Water. Detailing Steam Turbine Generator and Feed water steel.

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 1-Working substations A and C. Terminating in Rings 2 and 3.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 2- Installing tray covers and lighting.
- ♦ Unit 1- Installing conduit in all area's. Installing tray in Area's 11,22,17 and 24. Terminating in Area's 12,18,17 and 20. Pulling cable in Area's 23,17,18,23,21,12 and 20.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 1- Installing supports and piping around the Expansion Tank. Installing conduit to valve house No.1.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 2- Installing conduit and pulling cable to panel in Area 15. Terminating in Area 17. Insulating pipe in Area 14.
- ♦ Unit 1- Installing conduit. Insulation crews mobilizing.

**Site Safety Topic Of The Week:**  
*"Chemical Safety"*

Weather		
Partly Cloudy	Temp-High 106	Winds-Southwest at 10 mph



Power Block 2 Feedwater Structure



Power Block 1 Train 2

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Unit 1- Setting SCE's in Block 4. Leveling SCA's in Block 4. Aligning pylons in Block 8.

**HCE Tube Installation (K102):**

- ♦ Unit 1- Installing HCE tubes in Block 6. Welding in Block 7. Installing crossovers in Block 4.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Continue with Steam Blow activity. Prepping for ACC cleaning.

**Finish Grade and Final Paving (K211):**

- ♦ No Activity.

Personnel Onsite	Total
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	3
Sukut (K010)	19
BPC (K021)	65
PMI (K022)	270
Newtron (K029)	6
Newtron (K030)	170
Fe Moran (K032)	10
Petrochem (K036)	95
BPC (K100)	83
BPC (K102)	65
B&W Fluid Dynamics (K205)	4
Sukut (K211)	0
<b>Total Personnel Onsite</b>	<b>882</b>

Unit 2 COD: November 1<sup>st</sup>, 2013  
Unit 1 COD: April 1<sup>st</sup>, 2014

**September 5, 2013**

**Safety:**

- ♦ Newtron reported an accident from an employee that had stepped into an opening in floor grating injuring his leg. At approximately 02:00 in the morning, a Newtron Employee working on the top level of the feed water structure stepped through an opening in the floor and onto an I-beam lower than the deck he was on. The employee was able to descend ladders and stairways to exit the structure. The employee requested physician's consultation. He was taken by company vehicle to hospital in Blythe where he was diagnosed with a fracture of fibula right leg. Investigations are being conducted. The employee was able to return to work without lost time.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 1- Forming pipe supports. Restoring site from rain.

**Solar Field Header Piping (K021):**

- ♦ Unit 1- Installing and welding header pipe in Block 8 and North/South. Installing interconnecting pipe in Blocks 4 and 6. Prepping for Hydro Tests.

**Power Block Piping and Mechanical (K022):**

- ♦ Unit 1- Installing and welding pipe in all areas. Filling for hydro tests. Working punch list on Closed Cooling, Circulation Water and Demineralized Water. Detailing Steam Turbine Generator and Feed water steel. Working final alignment on Water Treatment pumps.

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 1-Terminating in Rings 2 and 3.

**Power Block Above Ground Electrical (K030):**

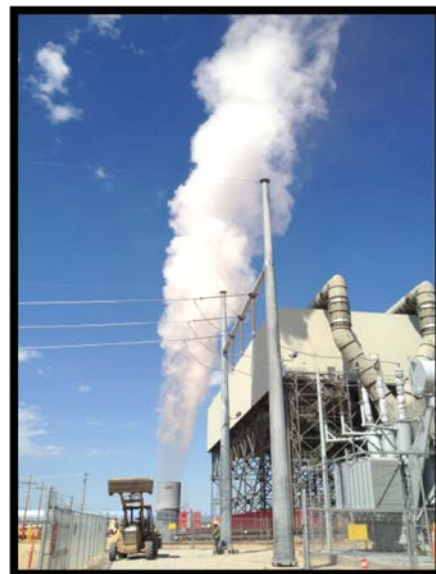
- ♦ Unit 2- Installing tray covers and lighting.
- ♦ Unit 1- Installing conduit in all area's. Installing tray in Area's 14 and 24. Terminating in Area's 12,18,17 and 20. Pulling cable in Area's 19, 18 and 21. Working Air lines and mounting instruments.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 1- Installing supports and piping around the Expansion Tank. Installing conduit to valve house No.1.

**Site Safety Topic Of The Week:**  
*"Chemical Safety"*

Weather		
Clear	Temp-High 109	Winds-Southwest at 5 mph



**Power Block 2 Steam Blows**



**Solar Field 2- Installing Header Pipe on Bridge 3**

**Insulation and Heat Tracing (K036):**

- ♦ Unit 2- Installing conduit and pulling cable to panel in Area 15. Terminating in Area 17. Insulating pipe in Area 14.
- ♦ Unit 1- Installing conduit. Insulation crews mobilizing and prepping to insulate the Overflow Tanks

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Unit 1- Setting SCE's in Block 4. Leveling SCA's in Block 4. Aligning pylons in Block 8.

**HCE Tube Installation (K102):**

- ♦ Unit 1- Installing HCE tubes in Block 6. Welding in Block 7. Installing crossovers in Block 4.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Continue with Steam Blow activity. Prepping for ACC cleaning.

**Finish Grade and Final Paving (K211):**

- ♦ Unit 2- Placing rock at the Main Transformer.

Personnel Onsite	Total
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	3
Sukut (K010)	19
BPC (K021)	65
PMI (K022)	270
Newtron (K029)	6
Newtron (K030)	170
Fe Moran (K032)	10
Petrochem (K036)	95
BPC (K100)	83
BPC (K102)	65
B&W Fluid Dynamics (K205)	4
Sukut (K211)	4
<b>Total Personnel Onsite</b>	<b>886</b>

Unit 2 COD: November 1<sup>st</sup>, 2013  
Unit 1 COD: April 1<sup>st</sup>, 2014

**September 6, 2013**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 1- Working stair landings at UPS buildings. Restoring site from rain.

**Solar Field Header Piping (K021):**

- ♦ Unit 1- Installing and welding header pipe in Block 8 and North/South. Installing interconnecting pipe in Blocks 4 and 6. Prepping for Hydro Tests.

**Power Block Piping and Mechanical (K022):**

- ♦ Unit 1- Installing and welding pipe in all areas. Prepping for hydro tests. Working punch list on Closed Cooling, Circulation Water and Demineralized Water. Detailing Steam Turbine Generator and Feed water steel.

**Solar Field Above Ground Electrical (K029):**

- ♦ SF 1 – Terminations in Rings 2 and 3. Fiber optic terminations in homerun patch panels.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 2 – Installing tray covers and lighting.
- ♦ Unit 1 – Installing conduit in all areas. Install tray in Area's 14 and 24. Pulling cable in Area's 18, 19, 21, 25 and 12. Terminating in Area's 12, 17, 18 and 20. Working instrument air lines and mounting instruments.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 1- Installing supports and piping around the Expansion Tank.

**Site Safety Topic Of The Week:**  
*"Chemical Safety"*

Weather		
Clear	Temp-High 109	Winds-Southwest at 5 mph



**Power Block 2 Steam Blows**



**Solar Field 2- Installing Header Pipe on Bridge 3**



**Insulation and Heat Tracing (K036):**

- ♦ Unit 2- Installing conduit and pulling cable to panel in Area 15. Terminating in Area 17. Insulating pipe in Area 14.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Leveling SCA's in Block 4. Aligning pylons in Block 8.

**HCE Tube Installation (K102):**

- ♦ Unit 1- Installing HCE tubes in Block 6. Welding in Block 7.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Steam Blows completed last night. Prepping for ACC cleaning.

**Finish Grade and Final Paving (K211):**

- ♦ Unit 1- Placing rock at the Main Transformer.

Personnel Onsite	Total
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	3
Sukut (K010)	19
BPC (K021)	65
PMI (K022)	270
Newtron (K029)	6
Newtron (K030)	170
Fe Moran (K032)	5
Petrochem (K036)	95
BPC (K100)	35
BPC (K102)	65
B&W Fluid Dynamics (K205)	4
Sukut (K211)	4
<b>Total Personnel Onsite</b>	<b>833</b>

Unit 2 COD: November 1<sup>st</sup>, 2013  
Unit 1 COD: April 1<sup>st</sup>, 2014

**September 9, 2013**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 1- Working stair landings at UPS buildings. Restoring site from rain.

**Solar Field Header Piping (K021):**

- ♦ Unit 1- Installing and welding header pipe in Block 8 and North/South. Installing interconnecting pipe in Blocks 4 and 3. Filling for Hydro Tests.

**Power Block Piping and Mechanical (K022):**

- ♦ Unit 1- Installing and welding pipe in all areas. Prepping for hydro tests. Working punch list on Closed Cooling, Circulation Water and Demineralized Water. Detailing Steam Turbine Generator and Feed water steel.
- ♦ Unit 2 – Steam blow restoration.

**Solar Field Above Ground Electrical (K029):**

- ♦ SF 1 – Terminations in Rings 2 and 3. Fiber optic terminations in homerun patch panels. Work substations A and C.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 2 – Installing tray covers and lighting. Steam blow restoration.
- ♦ Unit 1 – Installing conduit in all areas. Install tray in Area's 14 and 24. Pulling cable in Area's 18, 19, 21, 25 and 12. Terminating in Area's 12, 17, 18 and 20. Working instrument air lines and mounting instruments.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 1- Installing supports and piping around the Expansion Tank.
- ♦ Unit 2 – Power and startup control panels.

**Site Safety Topic Of The Week:**  
*"Chemical Safety"*

Weather		
Overcast	Temp-High 97	Winds-North at 5 mph



**Power Block 2 Restoration**



**Power Block 2 Steam Turbine**



**Insulation and Heat Tracing (K036):**

- ♦ Unit 2- Installing conduit and pulling cable to panel in Area 15. Terminating in Area 17. Insulating pipe in Area 14.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Leveling SCA's in Block 4. Aligning pylons in Block 8.

**HCE Tube Installation (K102):**

- ♦ Unit 1- Installing HCE tubes in Block 6. Welding in Block 7.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Prepping for ACC cleaning. Steam blow restoration.

**Finish Grade and Final Paving (K211):**

- ♦ Common area subgrade.

Personnel Onsite	Total
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	3
Sukut (K010)	19
BPC (K021)	65
PMI (K022)	270
Newtron (K029)	6
Newtron (K030)	170
Fe Moran (K032)	5
Petrochem (K036)	95
BPC (K100)	35
BPC (K102)	65
B&W Fluid Dynamics (K205)	4
Sukut (K211)	4
<b>Total Personnel Onsite</b>	<b>833</b>



Unit 2 COD: November 1<sup>st</sup>, 2013  
Unit 1 COD: April 1<sup>st</sup>, 2014

**September 10, 2013**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 1- Working stair landings at UPS buildings and instrument supports.

**Solar Field Header Piping (K021):**

- ♦ Unit 1- Installing and welding header pipe in Block 8 and North/South. Installing interconnecting pipe in Blocks 4 and 3. Filling for Hydro Tests at Blocks 1 and 2.

**Power Block Piping and Mechanical (K022):**

- ♦ Unit 1- Installing and welding pipe in all areas. Prepping for hydro tests on feedwater and condensate. Working punch list on Closed Cooling, Circulation Water and Demineralized Water. Detailing Steam Turbine Generator and Feed water steel.
- ♦ Unit 2 – Steam blow restoration.

**Solar Field Above Ground Electrical (K029):**

- ♦ SF 1 – Terminations in Rings 2 and 3. Fiber optic terminations in homerun patch panels. Work substations A and C.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 2 – Installing tray covers and lighting. Steam blow restoration.
- ♦ Unit 1 – Installing conduit in all areas. Install tray in Area's 14 and 24. Pulling cable in Area's 18, 19, 21, 25 and 12. Terminating in Area's 12, 18 and 22. Working instrument air lines and mounting instruments.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 1- Installing supports and piping around the Expansion Tank and HTF Main Pumps.
- ♦ Unit 2 – Commission Control Panels.

**Site Safety Topic Of The Week:**  
*"Chemical Safety"*

Weather		
Clear	Temp-High 95	Winds-North at 5 mph



**Power Block 2 Restoration**



**Solar Field 2**

**Insulation and Heat Tracing (K036):**

- ♦ Unit 2- Installing conduit and pulling cable to panel in Area 15. Terminating in Area 17. Insulating pipe in Area 14.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Leveling SCA's in Block 4. Aligning pylons in Block 8. Set SCA;s in Block 8.

**HCE Tube Installation (K102):**

- ♦ Unit 1- Installing HCE tubes in Block 6. Welding in Block 7.

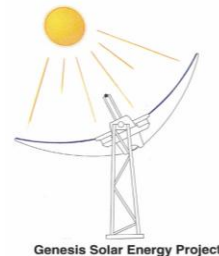
**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Prepping for ACC cleaning. Steam blow restoration.

**Finish Grade and Final Paving (K211):**

- ♦ Common area subgrade.

Personnel Onsite	Total
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	3
Sukut (K010)	19
BPC (K021)	65
PMI (K022)	270
Newtron (K029)	6
Newtron (K030)	170
Fe Moran (K032)	5
Petrochem (K036)	95
BPC (K100)	35
BPC (K102)	65
B&W Fluid Dynamics (K205)	4
Sukut (K211)	4
<b>Total Personnel Onsite</b>	<b>833</b>



Unit 2 COD: November 1<sup>st</sup>, 2013  
Unit 1 COD: April 1<sup>st</sup>, 2014

**September 11, 2013**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 1- Pipe supports.

**Solar Field Header Piping (K021):**

- ♦ Unit 1- Installing and welding header pipe in Block 8 and North/South. Installing interconnecting pipe in Blocks 4 and 3. Hydro Tests at Blocks 1 and 2. Filling for Hydro in Blocks 5 and 6.

**Power Block Piping and Mechanical (K022):**

- ♦ Unit 1- Installing and welding pipe in all areas. Prepping for hydro tests on feedwater and condensate. Working punch list on Closed Cooling, Circulation Water and Demineralized Water. Detailing Steam Turbine Generator and Feed water steel.
- ♦ Unit 2 – Steam blow restoration.

**Solar Field Above Ground Electrical (K029):**

- ♦ SF 1 – Terminations in Rings 2 and 3. Fiber optic terminations in homerun patch panels. Work substations A and C.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 2 – Installing tray covers and lighting. Steam blow restoration.
- ♦ Unit 1 – Installing conduit in all areas. Pulling cable in Area's 18, 19, 21, 25 and 12. Terminating in Area's 12, 18 and 22. Working instrument air lines and mounting instruments.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 1- Installing supports and piping around the Expansion Tank and HTF Main Pumps.
- ♦ Unit 2 – Commission Control Panels.

**Site Safety Topic Of The Week:**  
*"Chemical Safety"*

Weather		
Clear	Temp-High 100	Winds-North at 5 mph



**Solar Field 1**



**Power Block 1 – Area 21**

**Insulation and Heat Tracing (K036):**

- ♦ Unit 2- Installing conduit and pulling cable to panel in Area 15. Terminating in Area 17. Insulating pipe in Area 14 and 11.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Leveling SCA's in Block 4. Aligning pylons in Block 8. Set SCA's in Block 8.

**HCE Tube Installation (K102):**

- ♦ Unit 1- Installing HCE tubes in Block 6. Welding in Block 7.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Prepping for ACC cleaning. Steam blow restoration.

**Finish Grade and Final Paving (K211):**

- ♦ Common area subgrade.

Personnel Onsite	Total
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	3
Sukut (K010)	19
BPC (K021)	65
PMI (K022)	270
Newtron (K029)	6
Newtron (K030)	170
Fe Moran (K032)	5
Petrochem (K036)	95
BPC (K100)	35
BPC (K102)	65
B&W Fluid Dynamics (K205)	4
Sukut (K211)	4
<b>Total Personnel Onsite</b>	<b>833</b>

Unit 2 COD: November 1<sup>st</sup>, 2013  
Unit 1 COD: April 1<sup>st</sup>, 2014

**September 12, 2013**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 1- Stair Landings.

**Solar Field Header Piping (K021):**

- ♦ Unit 1- Installing and welding header pipe in Block 8 and North/South. Installing interconnecting pipe in Blocks 4 and 3. Hydro Tests at Blocks 1 and 2. Filling for Hydro in Blocks 5 and 6.

**Power Block Piping and Mechanical (K022):**

- ♦ Unit 1- Installing and welding pipe in all areas. Prepping for hydro tests on feedwater and condensate. Post weld heat treat train 2. Working punch list on Closed Cooling, Circulation Water and Demineralized Water. Detailing Steam Turbine Generator enclosure and Feed water steel.
- ♦ Unit 2 – Steam blow restoration.

**Solar Field Above Ground Electrical (K029):**

- ♦ SF 1 – Terminations in Ring 2. Fiber optic terminations in homerun patch panels. Work substations A and C.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 2 – Installing tray covers and lighting. Steam blow restoration.
- ♦ Unit 1 – Installing conduit in all areas. Pulling cable in Area's 18, 19, 21, 25 and 12. Terminating in Area's 12, 18 and 22. Working instrument air lines and mounting instruments.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 1- Installing supports and piping around the Expansion Tank and HTF Main Pumps.
- ♦ Unit 2 – Commission fire protection control system.

**Site Safety Topic Of The Week:**  
*"Chemical Safety"*

Weather		
Clear	Temp-High 100	Winds-Light and Variable



Switchyard



Power Block 1 – Area 12

**Insulation and Heat Tracing (K036):**

- ♦ Unit 2- Installing conduit and pulling cable to panel in Area 15. Terminating in Area 17. Insulating pipe in Area 14 and 11.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Leveling SCA's in Block 4. Aligning pylons in Block 8. Set SCA's in Block 8.

**HCE Tube Installation (K102):**

- ♦ Unit 1- Installing HCE tubes in Block 6. Welding in Blocks 6 and 7.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Prepping for ACC cleaning. Steam blow restoration.

**Finish Grade and Final Paving (K211):**

- ♦ Common area subgrade.

Personnel Onsite	Total
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	3
Sukut (K010)	19
BPC (K021)	65
PMI (K022)	270
Newtron (K029)	6
Newtron (K030)	170
Fe Moran (K032)	5
Petrochem (K036)	95
BPC (K100)	35
BPC (K102)	65
B&W Fluid Dynamics (K205)	4
Sukut (K211)	4
<b>Total Personnel Onsite</b>	<b>833</b>





Unit 2 COD: November 1<sup>st</sup>, 2013  
Unit 1 COD: April 1<sup>st</sup>, 2014

**September 13, 2013**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 1- Stair Landings.

**Solar Field Header Piping (K021):**

- ♦ Unit 1- Installing and welding header pipe in Block 8 and North/South. Installing interconnecting pipe in Block 4. Hydro Tests at Blocks 5 and 6.

**Power Block Piping and Mechanical (K022):**

- ♦ Unit 1- Installing and welding pipe in all areas. Post weld heat treat train 2, boiler steam and feedwater. Working punch list on Circulation Water and Demineralized Water. Detailing Steam Turbine Generator enclosure and Feed water steel.
- ♦ Unit 2 – Steam blow restoration.

**Solar Field Above Ground Electrical (K029):**

- ♦ No Activity.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 2 – Installing tray covers and lighting. Steam blow restoration.
- ♦ Unit 1 – Installing conduit in all areas. Pulling cable in Area's 18, 19, 21, 25 and 12. Pulling cable for 480V and 5kV turnovers. Terminating in Area's 12, 18 and 22. Working instrument air lines and mounting instruments.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 1- Installing supports and piping around the Expansion Tank and HTF Main Pumps.
- ♦ Unit 2 – Commission fire protection control system.

**Site Safety Topic Of The Week:**  
*"Chemical Safety"*

Weather		
Clear	Temp-High 102	Winds-South at 8 mph.



**Power Block 1 – Area 17**



**Power Block 1 – Area 23**



**Insulation and Heat Tracing (K036):**

- ♦ Unit 2- Installing conduit and pulling cable to panel in Area 15. Terminating in Area 17. Insulating pipe in Area 11.
- ♦ Unit 1 – Install conduit in Area 17. Insulating overflow vessels.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ No Activity.

**HCE Tube Installation (K102):**

- ♦ No activity.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Prepping for ACC cleaning. Steam blow restoration.

**Finish Grade and Final Paving (K211):**

- ♦ Common area subgrade. North of Power Block 2 grading.

Personnel Onsite	Total
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	3
Sukut (K010)	19
BPC (K021)	65
PMI (K022)	270
Newtron (K029)	6
Newtron (K030)	170
Fe Moran (K032)	5
Petrochem (K036)	95
BPC (K100)	35
BPC (K102)	65
B&W Fluid Dynamics (K205)	4
Sukut (K211)	4
<b>Total Personnel Onsite</b>	<b>833</b>



**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 2- Establishing subgrade under ACC and north Power Block road.

**Solar Field Header Piping (K021):**

- ♦ Unit 1- Welding out North/South Header. Fit and install Header pipe in Block 8. Prepping for Hydro Tests.

**Power Block Piping and Mechanical (K022):**

- ♦ Unit 1- Installing and welding pipe in areas 20,14, and 12. Prepping for hydro tests. Post weld heat treat on Train 2. Working quench pit steel and STG panels.

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 1- Working substations A and C. Terminations in Ring 2.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 2- Working punchlist.
- ♦ Unit 1-Installing conduit in all areas. Pulling cable in Areas 18,19,21,25 and 12. Terminating in Area's 12,18 and 22. Working instrument air lines and mounting instruments.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 1- Installing supports and piping around the Expansion Tank.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 2- Installing conduit and pulling cable to panel in Area 15. Terminating in Area 17.
- ♦ Unit 1- Insulating Overflow Tanks. Installing conduit and Heat Trace Panels.

**Site Safety Topic Of The Week:**

*"Safe Scaffold Usage"*

Weather		
Clear	Temp-High 106	Winds-Southeast at 3 mph



Unit 2-Permanent Well Install



Power Block 2 Subgrade

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Setting SCE's in Block 8. Leveling SCA's in Block 4. Aligning pylons in Block 8.

**HCE Tube Installation (K102):**

- ♦ Unit 1- Installing HCE tubes in Block 6. Welding in Block 6. Testing in Block 7.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Prepping for ACC cleaning. Steam blow restoration.

**Finish Grade and Final Paving (K211):**

- ♦ No Activity.

Personnel Onsite	Total
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	3
Sukut (K010)	22
BPC (K021)	65
PMI (K022)	270
Newtron (K029)	6
Newtron (K030)	170
Fe Moran (K032)	10
Petrochem (K036)	95
BPC (K100)	83
BPC (K102)	65
B&W Fluid Dynamics (K205)	4
Sukut (K211)	0
<b>Total Personnel Onsite</b>	<b>885</b>

Unit 2 COD: November 1<sup>st</sup>, 2013  
Unit 1 COD: April 1<sup>st</sup>, 2014

**September 17, 2013**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 2- Establishing subgrade under ACC and north Power Block road.

**Solar Field Header Piping (K021):**

- ♦ Unit 1- Welding out North/South Header. Fit and install Header pipe in Block 8. Hydro Testing North/South Header.

**Power Block Piping and Mechanical (K022):**

- ♦ Unit 1- Installing and welding pipe in areas 23,24,20, 15 14, and 12. Hydro Testing HTF piping. Post weld heat treat on Train 2 and Boiler Steam Pipe. Working quench pit steel and STG panels. Punch list on various systems.

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 1- Working substations A and C. Terminations in Ring 2.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 2- Punch list.
- ♦ Unit 1-Installing conduit in all areas. Pulling cable in Areas 18,19,21,25 and 12. Terminating in Area's 12,18 and 22. Working instrument air lines and mounting instruments.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 1- Installing supports and piping around the Expansion Tank.
- ♦ Unit 2- Commissioning Fire Alarm Panels.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 2- Installing conduit and pulling cable to panel in Area 25. Terminating in Area 23 and 14.
- ♦ Unit 1- Insulating Overflow Tanks. Installing conduit and Heat Trace Panels.

**Site Safety Topic Of The Week:**  
*"Safe Scaffold Usage"*

Weather		
Clear	Temp-High 109	Winds-Southeast at 12 mph



**Power Block 2 Train 1**



**Power Block 2**

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Setting SCE's in Block 8. Leveling SCA's in Block 4. Aligning pylons in Block 8.

**HCE Tube Installation (K102):**

- ♦ Unit 1- Installing HCE tubes in Block 6. Welding in Block 6. Testing in Block 7.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Prepping for ACC cleaning. Steam blow restoration.

**Finish Grade and Final Paving (K211):**

- ♦ No Activity.

Personnel Onsite	Total
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	3
Sukut (K010)	22
BPC (K021)	65
PMI (K022)	270
Newtron (K029)	6
Newtron (K030)	170
Fe Moran (K032)	10
Petrochem (K036)	95
BPC (K100)	83
BPC (K102)	65
B&W Fluid Dynamics (K205)	4
Sukut (K211)	0
<b>Total Personnel Onsite</b>	<b>885</b>



Unit 2 COD: November 1<sup>st</sup>, 2013  
Unit 1 COD: April 1<sup>st</sup>, 2014

**September 18, 2013**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 2- Establishing subgrade under ACC and north Power Block road. Pouring stair landings.
- ♦ Unit 1- Pouring electrical supports.

**Solar Field Header Piping (K021):**

- ♦ Unit 1- Welding out North/South Header. Fit and install Header pipe in Block 8. Filling Block 4 header for hydro.

**Power Block Piping and Mechanical (K022):**

- ♦ Unit 1- Installing and welding pipe in areas 23,24,20, 15 14, and 12. Hydro Testing HTF piping. Post weld heat treat on Train 2 and Boiler Steam Pipe. Working STG panels. Punch list on various systems.

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 1- Working substations A and C. Terminations in Ring 2.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 2- Punch list.
- ♦ Unit 1-Installing conduit in all areas. Pulling cable in Areas 18,19,21,25 and 12. Terminating in Area's 12,18 and 22. Working instrument air lines and mounting instruments.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 1- Installing supports and piping around the Expansion Tank and freeze protection pumps.
- ♦ Unit 2- Commissioning Fire Alarm Panels.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 2- Installing conduit and pulling cable to panel in Area 25. Terminating in Area 23 and 14.
- ♦ Unit 1- Insulating Overflow Tanks. Installing conduit and heat trace on HTF piping.

**Site Safety Topic Of The Week:**  
*"Safe Scaffold Usage"*

Weather		
Clear	Temp-High 99	Winds-Southeast at 5 mph



**Power Block 1 STG**



**Power Block 2 ACC Subgrade**



**Pylon, SCE Assembly and Installation(K100):**

- ♦ Setting SCE's in Block 8. Leveling SCA's in Block 4. Aligning pylons in Block 8.

**HCE Tube Installation (K102):**

- ♦ Unit 1- Installing HCE tubes in Block 6. Welding in Block 6. Testing in Block 7.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Prepping for ACC cleaning. Steam blow restoration.

**Finish Grade and Final Paving (K211):**

- ♦ No Activity.

Personnel Onsite	Total
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	3
Sukut (K010)	22
BPC (K021)	65
PMI (K022)	270
Newtron (K029)	6
Newtron (K030)	170
Fe Moran (K032)	10
Petrochem (K036)	95
BPC (K100)	83
BPC (K102)	65
B&W Fluid Dynamics (K205)	4
Sukut (K211)	0
<b>Total Personnel Onsite</b>	<b>885</b>



Unit 2 COD: November 1<sup>st</sup>, 2013  
Unit 1 COD: April 1<sup>st</sup>, 2014

**September 19, 2013**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 2- Establishing subgrade under ACC and north Power Block road.
- ♦ Unit 1- Forming supports.

**Solar Field Header Piping (K021):**

- ♦ Unit 1- Welding out North/South Header. Fit and install Header pipe in Block 8. Hydro testing Block 4 header.

**Power Block Piping and Mechanical (K022):**

- ♦ Unit 1- Installing and welding pipe in areas 23,24,20, 15 14, and 12. Hydro Testing HTF piping. Post weld heat treat on Train 1 and 2. Punch list on various systems.

**Solar Field Above Ground Electrical (K029):**

- ♦ Unit 1- Working substations A and C. Terminations in Ring 2. Installing LOC's and flex in Ring 6. Mounting RTD's in Ring 8.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 2- Punch list.
- ♦ Unit 1-Installing conduit in all areas. Pulling cable in Areas 18,19,21,25 and 12. Terminating in Area's 12,18 and 22. Working instrument air lines and mounting instruments.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 1- Installing supports and piping freeze protection pumps.
- ♦ Unit 2- Completed commissioning Fire Alarm Panels.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 2- Installing conduit and pulling cable to panel in Area 25. Terminating in Area 23 and 14.
- ♦ Unit 1- Insulating Overflow Tanks. Installing conduit and heat trace on HTF piping.

**Site Safety Topic Of The Week:**  
*"Safe Scaffold Usage"*

Weather		
Clear	Temp-High 101	Winds-Southeast at 8 mph



**Power Block 1 Overflow Vessels**



**Power Block 2**



**Pylon, SCE Assembly and Installation(K100):**

- ♦ Setting SCE's in Block 8. Leveling SCA's in Block 8. Aligning pylons in Block 8.

**HCE Tube Installation (K102):**

- ♦ Unit 1- Installing HCE tubes in Block 6. Welding in Block 6. Testing in Block 7.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Prepping for ACC cleaning. Steam blow restoration.

**Finish Grade and Final Paving (K211):**

- ♦ No Activity.

Personnel Onsite	Total
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	3
Sukut (K010)	22
BPC (K021)	65
PMI (K022)	270
Newtron (K029)	6
Newtron (K030)	170
Fe Moran (K032)	10
Petrochem (K036)	95
BPC (K100)	83
BPC (K102)	65
B&W Fluid Dynamics (K205)	4
Sukut (K211)	0
<b>Total Personnel Onsite</b>	<b>885</b>



Unit 2 COD: November 1<sup>st</sup>, 2013  
Unit 1 COD: April 1<sup>st</sup>, 2014

**September 20, 2013**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 2- Establishing subgrade on north Power Block road.
- ♦ Unit 1- Forming supports.

**Solar Field Header Piping (K021):**

- ♦ Unit 1- Working all aspects of Header installation in Block 8.  
Hydro testing North/South header.

**Power Block Piping and Mechanical (K022):**

- ♦ Unit 1- Installing and welding pipe in areas 23,24,20, 15 14, and 12. Post weld heat treat on Train 1 and 2. Hydro Testing and punch list on various systems.

**Solar Field Above Ground Electrical (K029):**

- ♦ No Activity.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 2- Punch list.
- ♦ Unit 1-Installing conduit in all areas. Pulling cable in Areas 18,19,21,25 and 12. Terminating in Area's 12,18 and 22.  
Working instrument air lines and mounting instruments.  
Prepping areas 12,15,24 and 25 for turnover.

**Fire Protection and Detection Systems (K032):**

- ♦ No Activity.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 2- Installing conduit and pulling cable to panel in Area 25.  
Terminating in Area 23 and 14.
- ♦ Unit 1- Installing conduit and heat trace on HTF piping.

**Site Safety Topic Of The Week:**  
*"Safe Scaffold Usage"*

Weather		
Clear	Temp-High 103	Winds-South at 13 mph



**Power Block 2**



**Solar Field 2**

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Leveling SCA's in Block 8.

**HCE Tube Installation (K102):**

- ♦ Unit 1- Installing HCE tubes in Block 4. Welding in Block 6.  
Installing interconnects in Block 8.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Prepping for ACC cleaning.

**Finish Grade and Final Paving (K211):**

- ♦ No Activity.

Personnel Onsite	Total
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	3
Sukut (K010)	22
BPC (K021)	65
PMI (K022)	270
Newtron (K029)	0
Newtron (K030)	170
Fe Moran (K032)	1
Petrochem (K036)	95
BPC (K100)	15
BPC (K102)	65
B&W Fluid Dynamics (K205)	4
Sukut (K211)	0
<b>Total Personnel Onsite</b>	<b>802</b>



Unit 2 COD: November 1<sup>st</sup>, 2013  
Unit 1 COD: April 1<sup>st</sup>, 2014

**September 23, 2013**

**Safety:**

- ♦ 09-20-13 Newtron Employee received sutures to close a wound on his right index finger as a result of a pinch between the overhead roof structure on a UTV and the ground after the vehicle had overturned. The Newtron Foreman was driving a two passenger ATV with a passenger. While making a left hand U-turn the operator exerted too much throttle causing cause the ATV to upset onto the passenger side. The passenger had his right hand on the upper part of the roof structure when the upset occurred. His hand was pinched between the structure and ground. The employee was taken to Palo Verde Hospital and the wound received approximately 20 sutures. No signs of fractures or nerve damage were discovered during the doctor's evaluation. The employees were wearing seat belts and good leather gloves. The employee was released for work and follow up doctor's visit. Newtron will mechanically govern the top speed of all site carts. Operator received written reprimand and is denied onsite UTV usage.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 2- Establishing subgrade on Power Block road.
- ♦ Unit 1- Forming supports.

**Solar Field Header Piping (K021):**

- ♦ Unit 1- Working all aspects of Header installation in Block 8. Hydro testing Block 4 header.

**Power Block Piping and Mechanical (K022):**

- ♦ Unit 1- Installing and welding pipe in areas 23,24,20, 15 14, and 12. Post weld heat treat on Train 1. Hydro Testing and punch list on various systems.

**Solar Field Above Ground Electrical (K029):**

- ♦ Installing LOC's and flex in Ring 6. Mounting RTD's in Ring 8. Working substations A and C.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 2- Punch list and lighting.
- ♦ Unit 1-Installing conduit in all areas. Pulling cable in Areas 18,19,21,25 and 12. Terminating in Area's 23, 14 and 12. Working instrument air lines and mounting instruments.

**Site Safety Topic Of The Week:**

*"Use Care with Compressed Air"*

Weather		
Clear	Temp-High 93	Winds-North at 3 mph



**Power Block 2 Train 2**



**Power Block 2**

**Fire Protection and Detection Systems (K032):**

- ♦ Installing piping around freeze protection pumps.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 2- Installing conduit and pulling cable to panel in Area's 24 and 14. Terminating in Area 23 and 14.
- ♦ Unit 1- Installing conduit and heat trace on HTF piping. Insulating HTF Overflow Vessels. Insulating Crossovers and installing HCE covers in Block 5.

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Setting SCE's in Block 8. Leveling SCA's in Block 8. Aligning pylons in Block 8.

**HCE Tube Installation (K102):**

- ♦ Unit 1- Installing HCE tubes in Block 4. Welding in Block 6. Installing interconnects in Block 8.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Restoring from ACC cleaning.

**Finish Grade and Final Paving (K211):**

- ♦ Removing temporary tortoise fence.

Personnel Onsite	Total
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	3
Sukut (K010)	19
BPC (K021)	65
PMI (K022)	270
Newtron (K029)	6
Newtron (K030)	170
Fe Moran (K032)	10
Petrochem (K036)	95
BPC (K100)	83
BPC (K102)	65
B&W Fluid Dynamics (K205)	4
Sukut (K211)	3
<b>Total Personnel Onsite</b>	<b>885</b>



Unit 2 COD: November 1<sup>st</sup>, 2013  
Unit 1 COD: April 1<sup>st</sup>, 2014

**September 24, 2013**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 2- Establishing subgrade on Power Block road.
- ♦ Unit 1- Forming supports.

**Solar Field Header Piping (K021):**

- ♦ Unit 1- Working all aspects of Header installation in Block 8. Draining headers from hydro.

**Power Block Piping and Mechanical (K022):**

- ♦ Unit 1- Installing and welding pipe in areas 23,24,20, 15, 14, and 12. Post weld heat treat on Train 1 risers. Working STG beams and platforms. Punch list on various systems.

**Solar Field Above Ground Electrical (K029):**

- ♦ Installing LOC's and flex in Ring 6. Mounting RTD's in Ring 8. Working substations A and C. Terminating in Rings 2 and 3.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 2- Punch list and lighting.
- ♦ Unit 1- Installing conduit and tray in areas 11,13,16 and 17. Pulling cable in Areas 12 and 18. Terminating in Area's 12,13,17 and 18.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 1- Installing piping around freeze protection pumps and on Pipe Rack 22 West. Hydro testing HTF Main Pumps and Expansion Tank piping.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 2- Installing conduit and pulling cable to panel in Area's 24 and 14. Terminating in Area 23 and 14.
- ♦ Unit 1- Installing conduit and heat trace on HTF piping. Insulating HTF Overflow Vessels. Insulating Crossovers and installing HCE covers in Block 5.

**Site Safety Topic Of The Week:**

*"Use Care with Compressed Air"*

Weather		
Clear	Temp-High 97	Winds-Northeast at 9 mph



**Solar Field 2**



**Genesis Site Aerial View**



**Pylon, SCE Assembly and Installation(K100):**

- ♦ Setting SCE's in Block 8. Leveling SCA's in Block 8. Aligning pylons in Block 8.

**HCE Tube Installation (K102):**

- ♦ Unit 1- Installing HCE tubes in Block 4. Welding in Block 6. Installing interconnects in Block 8.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Unit 2- Restoring from ACC cleaning.
- ♦ Unit 1- Prepping for hydro lazing activities.

**Finish Grade and Final Paving (K211):**

- ♦ Removing temporary tortoise fence.

Personnel Onsite	Total
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	3
Sukut (K010)	19
BPC (K021)	65
PMI (K022)	270
Newtron (K029)	6
Newtron (K030)	170
Fe Moran (K032)	10
Petrochem (K036)	95
BPC (K100)	83
BPC (K102)	65
B&W Fluid Dynamics (K205)	4
Sukut (K211)	3
<b>Total Personnel Onsite</b>	<b>885</b>



Unit 2 COD: November 1<sup>st</sup>, 2013  
Unit 1 COD: April 1<sup>st</sup>, 2014

**September 25, 2013**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 2- Establishing subgrade on Power Block road and pouring ladder landings.
- ♦ Unit 1- Pouring pipe supports.

**Solar Field Header Piping (K021):**

- ♦ Unit 1- Working all aspects of Header installation in Block 8. Draining headers from hydro.

**Power Block Piping and Mechanical (K022):**

- ♦ Unit 1- Installing and welding pipe in areas 11,12,15,20,23,24,26. Post weld heat treat on Train 1 risers. Working STG beams and platforms. Installing HTF pump tubing. Punch list on various systems.

**Solar Field Above Ground Electrical (K029):**

- ♦ Installing LOC's and flex in Ring 6. Mounting RTD's in Ring 8. Working substations A and C. Terminating in Rings 2 and 3.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 2- Punch list and lighting.
- ♦ Unit 1- Installing conduit and tray in areas 11,13,16 and 17. Pulling cable in Areas 12 and 18. Terminating in Area's 12,13,17 and 18. Completing 480v and Auxiliary Steam system for turnover.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 1- Installing piping around freeze protection pumps and on Pipe Rack 22 West.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 2- Installing conduit and pulling cable to panel in Area's 24 and 14. Terminating in Area 23 and 14.
- ♦ Unit 1- Installing conduit and heat trace on HTF piping. Insulating HTF Overflow Vessels. Insulating Crossovers and installing HCE covers in Block 5.

**Site Safety Topic Of The Week:**

*"Use Care with Compressed Air"*

Weather		
Clear	Temp-High 97	Winds-Southwest at 22 mph



**Power Block 1- Train 2 and Feedwater Structure**



**Power Block 1- Pipe Rack 22 West**



**Pylon, SCE Assembly and Installation(K100):**

- ♦ Setting SCE's in Block 8. Leveling SCA's in Block 8. Completed aligning pylons yesterday.

**HCE Tube Installation (K102):**

- ♦ Unit 1- Installing HCE tubes in Block 4. Welding in Block 6. Installing interconnects in Block 8.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Unit 2- Restoring from ACC cleaning.
- ♦ Unit 1- Prepping for hydro lazing activities.

**Finish Grade and Final Paving (K211):**

- ♦ Removing temporary tortoise fence.

Personnel Onsite	Total
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	3
Sukut (K010)	19
BPC (K021)	65
PMI (K022)	270
Newtron (K029)	6
Newtron (K030)	170
Fe Moran (K032)	10
Petrochem (K036)	95
BPC (K100)	83
BPC (K102)	65
B&W Fluid Dynamics (K205)	4
Sukut (K211)	3
<b>Total Personnel Onsite</b>	<b>885</b>



**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 2- Establishing subgrade under ACC and Power Block road.

**Solar Field Header Piping (K021):**

- ♦ Unit 1- Working all aspects of Header installation in Block 8. Draining headers from hydro.

**Power Block Piping and Mechanical (K022):**

- ♦ Unit 1- Installing and welding pipe in areas 11,12,15,20,23,24,26. Post weld heat treat on Train 2. Working STG beams and platforms. Hydro testing Heat Bleed piping. Working STG enclosure steel and final alignment of pumps. Install control and jacking oil piping. Installing HTF pump tubing. Punch list on various systems.

**Solar Field Above Ground Electrical (K029):**

- ♦ Installing LOC's and flex in Ring 6. Mounting RTD's in Ring 8. Working substations A and C. Terminating in Rings 2 and 3.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 2- Lighting and pull power to Heat trace panels.
- ♦ Unit 1- Installing conduit and tray in areas 11,13,16 and 17. Pulling cable in Areas 12 and 18. Terminating in Area's 12,13,17 and 18. Completing 480v and Auxiliary Steam system for turnover.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 1- Installing piping around freeze protection pumps and on Pipe Rack 22 West.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 2- Installing conduit and pulling cable to panel in Area's 24 and 14. Terminating in Area 23 and 14. Installing valve blankets and punch list.
- ♦ Unit 1- Installing conduit and heat trace on HTF piping. Completed insulating HTF Overflow Vessels. Insulating Crossovers and installing HCE covers in Block 1.

**Site Safety Topic Of The Week:**

*"Use Care with Compressed Air"*

Weather		
Clear	Temp-High 87	Winds-Southwest at 15 mph



**Power Block 2**



**Power Block 2- ACC Subgrade**

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Setting SCE's in Block 8. Leveling SCA's in Block 8.

**HCE Tube Installation (K102):**

- ♦ Unit 1- Installing HCE tubes in Block 4. Welding and testing in Block 6. Installing interconnects in Block 8.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Unit 2- Restoring from ACC cleaning.
- ♦ Unit 1- Prepping for hydro lazing activities.

**Finish Grade and Final Paving (K211):**

- ♦ Removing temporary tortoise fence.

Personnel Onsite	Total
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	3
Sukut (K010)	19
BPC (K021)	65
PMI (K022)	270
Newtron (K029)	6
Newtron (K030)	170
Fe Moran (K032)	10
Petrochem (K036)	95
BPC (K100)	83
BPC (K102)	65
B&W Fluid Dynamics (K205)	4
Sukut (K211)	3
<b>Total Personnel Onsite</b>	<b>885</b>

**September 27, 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 reported.

**General Services (K010):**

- ♦ Unit 2- Establishing subgrade under ACC and Power Block road.
- ♦ Unit 1- Pouring supports.

**Solar Field Header Piping (K021):**

- ♦ Unit 1- Working all aspects of Header installation in Block 8. Draining headers from hydro.

**Power Block Piping and Mechanical (K022):**

- ♦ Unit 1- Installing and welding pipe in areas 11,12,15,20,23,24,26. Post weld heat treat on Train 2. Working STG beams and platforms. Working STG enclosure steel and final alignment of pumps. Install control and jacking oil piping. Punch list on various systems.

**Solar Field Above Ground Electrical (K029):**

- ♦ No Activity.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 2- Lighting and pulling power to heat trace panels.
- ♦ Unit 1-Installing conduit and tray in areas 11,13,16 and 17. Pulling cable in Areas 12 and 18. Terminating in Area's 12,13,17 and 18.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 1- Installing piping around freeze protection pumps and on Pipe Rack 22 West.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 2- Installing conduit and pulling cable to panel in Area's 24 and 14. Terminating in Area 23 and 14. Installing valve blankets and punch list.

**Site Safety Topic Of The Week:**

*"Use Care with Compressed Air"*

Weather		
Clear	Temp-High 84	Winds-Northwest at 11 mph



**Power Block 2-Steam Generation**



**Solar Field 1-Installing pipe on Bridge 2**

**Pylon, SCE Assembly and Installation(K100):**

- ♦ No activity.

**HCE Tube Installation (K102):**

- ♦ Unit 1- Installing HCE tubes in Block 4. Welding and testing in Block 6. Installing interconnects in Block 8.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Unit 2- Restoring from ACC cleaning.
- ♦ Unit 1- Prepping for hydro lazing activities.

**Finish Grade and Final Paving (K211):**

- ♦ Removing temporary tortoise fence. Placing rock under ACC.

Personnel Onsite	Total
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	3
Sukut (K010)	19
BPC (K021)	65
PMI (K022)	270
Newtron (K029)	0
Newtron (K030)	170
Fe Moran (K032)	10
Petrochem (K036)	95
BPC (K100)	0
BPC (K102)	65
B&W Fluid Dynamics (K205)	4
Sukut (K211)	3
<b>Total Personnel Onsite</b>	<b>796</b>



Unit 2 COD: November 1<sup>st</sup>, 2013  
Unit 1 COD: April 1<sup>st</sup>, 2014

**September 30, 2013**

**Safety:**

- ♦ No accident or injury.

**Compliance:**

- ♦ No issues reported.

**General Services (K010):**

- ♦ Unit 1- Stripping and excavating pipe supports.

**Solar Field Header Piping (K021):**

- ♦ Unit 1- Working all aspects of Header installation in Block 8.  
Draining headers from hydro.

**Power Block Piping and Mechanical (K022):**

- ♦ Unit 1- Installing and welding pipe in areas 11,12,15,20,23,24,26.  
Post weld heat treat on Train 2. Working ladders and platforms. Working STG enclosure steel. Install control and jacking oil piping. Punch list on various systems. Pneumatic test on Nitrogen system.

**Solar Field Above Ground Electrical (K029):**

- ♦ Working substations A and C. Terminating in Ring 5 and 2.  
Fiber terminations in Ring 3. Installing LOC's in Ring 4.

**Power Block Above Ground Electrical (K030):**

- ♦ Unit 2- Lighting and pulling power to heat trace panels.
- ♦ Unit 1-Installing conduit and tray in areas 11,13,16 and 17.  
Pulling cable in Areas 12 and 18. Terminating in Area's 12,13,17 and 18.

**Fire Protection and Detection Systems (K032):**

- ♦ Unit 1- Installing piping around freeze protection pumps and on Pipe Rack 22 West.

**Insulation and Heat Tracing (K036):**

- ♦ Unit 2- Installing conduit and pulling cable to panel in Area's 24 and 14. Terminating in Area 23 and 14. Installing valve blankets and punch list.
- ♦ Unit 1- Installing conduit and Heat Trace. Insulating the Expansion Tank. Insulating Crossover piping in Blocks 1 and 3.

**Site Safety Topic Of The Week:**  
*"Utility Transportation Vehicles"*

Weather		
Clear	Temp-High 96	Winds-Northwest at 6 mph



**Power Block 2-ACC Rock Placement**



**Solar Field 1 Block 8-Installing Crossover Piping**

**Pylon, SCE Assembly and Installation(K100):**

- ♦ Setting SCE's in Block 8. Leveling SCA's in Block 8.

**HCE Tube Installation (K102):**

- ♦ Unit 1- Installing and welding HCE tubes in Block 4. Testing in Block 4. Installing crossovers in Block 8.

**Pre-commissioning B&W Fluid Dynamics (K205):**

- ♦ Unit 1- Prepping for hydro and aqua lazing activities.

**Finish Grade and Final Paving (K211):**

- ♦ Unit 2- Placing rock under ACC.

Personnel Onsite	Total
Genesis Management	42
Genesis Operations	38
Compliance Monitors	8
Guardsmark (K005)	4
PSI (K007)	3
Sukut (K010)	10
BPC (K021)	65
PMI (K022)	230
Newtron (K029)	6
Newtron (K030)	170
Fe Moran (K032)	10
Petrochem (K036)	95
BPC (K100)	83
BPC (K102)	65
B&W Fluid Dynamics (K205)	4
Sukut (K211)	8
<b>Total Personnel Onsite</b>	<b>841</b>



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

	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
Sun. 9/01	Out of Service (OS)	253257	315008		
Mon. 9/02	(OS)	253257	315008		Labor Day
Tue. 9/03	(OS)	253586	320152		
Wed. 9/04	(OS)	253634	321355		
Thu. 9/05	(OS)	253947	321966		
Fri. 9/06	(OS)	254375	323370		
Sat. 9/07	(OS) acre feet x .001	254385 acre feet x .001	323407 acre feet x .001	78762 00 (out of service)	Friday reading 09/06
Sun. 9/08	(OS)	254385	323407		
Mon. 9/09	(OS)	254385	323407		
Tue. 9/10	(OS)	254724	324866		
Wed. 9/11	(OS)	255135	325612		
Thu. 9/12	(OS)	255804	325913		
Fri. 9/13	(OS)	256374	325978		
Sat. 9/14	(OS) acre feet x .001	256987 acre feet x .001	326609 acre feet x .001	78762 00 (out of service)	Friday reading 09/13
Sun. 9/15	(OS)	256987	326609		
Mon. 9/16	Out of Service (OS)	257591	Out of Service (OS)		
Tue. 9/17	(OS)	258292	(OS)		
Wed. 9/18	(OS)	258807	(OS)		
Thu. 9/19	(OS)	259482	(OS)		
Fri. 9/20	(OS)	259545	(OS)		
Sat. 9/21	(OS) acre feet x .001	259545 acre feet x .001	(OS) acre feet x .001	78762 00 (out of service)	Friday reading 09/20
Sun. 9/22	(OS)	259545	(OS)		
Mon. 9/23	(OS)	259545	(OS)		
Tue. 9/24	(OS)	259552	(OS)		
Wed. 9/25	(OS)	260081	(OS)		
Thu. 9/26	(OS)	260410	(OS)		
Fri. 9/27	(OS)	260661	(OS)		
Sat. 9/28	196609 acre feet x .001	260380 acre feet x .001	(OS) acre feet x .001	78762 00 (out of service)	Friday reading 09/27
Sun. 9/29	(OS)	260380	(OS)		
Mon. 9/30	(OS)	261153	(OS)		