

## DOCKETED

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

**Genesis Solar, LLC**

**Monthly Compliance Report #41  
March 2014**

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

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- The Genesis Solar Energy Project received authorization to construct from the California Energy Commission (CEC) on September 29, 2010 and the US Bureau of Land Management (BLM) on November 4, 2010. In accordance with the California Energy Commission's (CEC) Condition of Certification (COC) number COMPLIANCE-6, please see the following report that summarizes compliance with CEC and BLM's requirements for pre-construction and construction activities for the month of March, 2014.

During the month of March 2014, Commissioning completed final punch lists and Unit 1 went on line.

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

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

Date	To	Condition	Subject
3/21/14	CEC	COM-06	February 2014 MCR
3/13/14	CEC	AQ-6, AQ-13	Ullage Test Protocol
3/06/14	CEC	Noise-4	Noise Survey
3/06/14	CEC	VIS-1	Unit 1 surface photos
3/06/14	CEC	VIS-2	CBO Approval Letter

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

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

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

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

No new applications were submitted in March 2014.

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

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

No water was used for the month of March for construction activities.

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

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

- Fugitive dust control mitigation measures continue to be a topic at contractor tailboard meetings once a week or more, depending upon weather conditions. During the month of March, 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 on the main access road from 6:00 AM to 5:45 PM and 25 mph posted for the night hours, for the main access road, in the month of March.
- 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 March.

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

Requirement: The AQCMC 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.



No heavy equipment, above 50 hp, was on site more than 10 days in the month of March.

**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 March 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 March. Erosion control devices (silt fence, straw wattles, etc) are stock piled on site and will be installed as needed

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

Requirement: Submit the past Month of training records.

During March, the total number of personnel who received the Construction Worker Environmental Awareness Training was 0. The number of personnel who have received the training to date is 4302.

**CUL-8: Construction Monitoring Program**

Requirement: Submit report of any noncompliance.

No NCR's issued in the month of March.

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 March.

**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 during the month of March.

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 March.

**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.

No new applications submitted in the month of March.

There were no injuries in the month of March.

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

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

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

**GEN-3: CBO Payments**

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

1 invoice in the amount of \$146,933.61 was paid to the CBO during the month of March.

**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 March.

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 March.

**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 March.

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.

Disturbance activities did not require Paleo monitoring during March.

**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 March.

See Appendix G

**COMPLIANCE-13 – Post Certification Amendments**

No Amendments submitted/approved for the month of March.

## **Compliance Matrix**

Master Matrix

Items to be turned Over
Completed-Agency Approved
Waiting on Approval from Agency
To Be Submitted
MCR Ops and Construction
In Progress-Construction

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status	Updated
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		Expected by 05/30/14	
312	CEC			x	CUL-6	Cultural Resources Report	Submit the final CRR.	AECOM	< 180d after completion of gd		to be submitted to the CEC on 10/31/14	
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	Will occur after repairs are agreed to, scheduled and executed.		
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		Will occur after repairs are agreed to, scheduled and executed.	Will be completed after TRAN-5 below	
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	Will Occur Before 6/5/14	Inprogress	
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	Fluor done - Holt and BV remain 6-5-14	Holt and BV remaining.	
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		6-13-14 according to BV	
575	CEC		x		CIVIL-4	Final Grading Plans - CBO submittal	After completion of finished grading and erosion and sedimentation	Holt	< 30d completion of drainage work		6-13-14 according to BV	
626	CEC		x		PAL-7	Paleontological Resuorces Report	Submit a Paleontological Resources Report (PRR).	AECOM	< 90d after completion of gd		Expected by 06/03/14	C
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	30-May-14	Awaiting Approval from the CEC	C
197	CEC			x	BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	Submit a Construction Termination Report identifying status of owl mitigation.	AECOM	< 30d Start of Operations	30-May-14	Awaiting Approval from the CEC	C
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.	McCord		4-Apr-14		C
576	CEC		x		STRUC-1	CBO Submittals - Major Structure or Facility design Component, Statement of	control and drainage work, the project owner shall obtain the CBO's	McCord	< 30d after approval		Matt M submitted letters	C
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/Holt	> 30d pt installation		Matt M submitted letters	C
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			
471	CEC		x	x	TLSN-2	Pre- and Post- Energization Maesurements	Measure strengths of EMF before energization according to (ANSI/IEEE) standard procedures. Submit measurement report.	McCord	< 60d of test			
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			
434	CEC			x	Soil & Water-13	Channel Maintenance Program	Submit written commitment to adopt and implement the Program.	Operations	After S&W-13 Approval		Submitted to the CEC on 03/12/14	
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		Submitted approval of CBO to CEC on 2/13/14	
377	CEC			x	NOISE-4	Occupational Noise Survey	Conduct an occupational noise survey.	McCord	following first sustained output of 90%	Submitted on 03/06/14	Awaiting Approval from the CEC	
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	Submitted on 03/06/14	Awaiting Approval from the CEC	
359	CEC		x		HAZ-2	Hazardous Materials Business Plan, Spill Prevention, Control and	Submit a final Hazardous Materials Business Plan.	McCord	> 60d pt receipt of hazmat		Approved by the CEC on 5/10/13.	
40	CEC		x		AQ-13	HTF Ullage/Exp. Tanks - Compliance Testing Plan and Reporting	Submit a report of test results to the District. UNIT 1	McCord	< 45d after test	Submitted to MDAQMD and	Awaiting Approval from the CEC and	
40	CEC		x		AQ-13	HTF Ullage/Exp. Tanks - Compliance Testing Plan and Reporting	Submit a report of test results to the District. UNIT 2	McCord	< 45d after test	Submitted to MDAQMD and	Awaiting Approval from the CEC and	
24C	CEC			x	AQ-6	Initial MDAQMD Compliance Test - NG boilers	Submit test results within 180 days of initial start up. UNIT 2	McCord/Gavaldon	< 180d after initial start up	Submitted to MDAQMD and CEC on 2/18/14	Awaiting Approval from the CEC and MDAQMD	



**Master Matrix**

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status	Updated
24D	CEC			x	AQ-6	Initial MDAQMD Compliance Test - NG boilers	Submit test results within 180 days of initial start up. <b>UNIT 1</b>	McCord/Gavaldon	< 180d after initial start up	Submitted to MDAQMD and	Awaiting Approval from the CEC and	
482	CEC		x		VIS-2	Temporary and Permanent Exterior Lighting	Prior to Commercial Operation, notify CPM that lighting is Complete and ready for inspection. <b>UNIT 2</b>	Gavaldon	prior to commercial operation	Submitted to the CEC on	Awaiting Approval from the CEC	
482	CEC		x		VIS-2	Temporary and Permanent Exterior Lighting	Prior to Commercial Operation, notify CPM that lighting is Complete and ready for inspection. <b>COMMON AREA</b>	Gavaldon	prior to commercial operation	Submitted to the CEC on 1/21/14	Received Staff comments and addressing concerns	
535C	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		CEC approval for Temp CO Unit 2 and Common Area 11/26/13	
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	Resub on 02/07/14	Awaiting Approval from the CEC	
599	CEC		x		MECH-3	CBO Submittal - HVAC Specs, etc.	Submit to the CBO the required HVAC and refrigeration plans and a statement from the mechanical engineer certifying compliance with applicable codes. Submit copy of the transmittal letter to the CPM.	McCord	> 30d pt const of HVAC or refig system	Resub on 02/07/14	Awaiting Approval from the CEC	
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	Submitted to the CEC on 01/22/14	resubmittal in progress	
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	Submitted to the CEC on 01/22/14	resubmittal in progress	
535A	CEC		x	x	GEN-1	2007 Ca Buidling Standards Code Compliance	Provide the CPM a copy of the certificate of occupancy (CO) <b>Unit 2 and Common Area</b>	BV	< 30d of receipt		Approved by the CEC for temp CO on 11/26/13.	
481	CEC		x		VIS-2	Temporary and Permanent Exterior Lighting	Notify CPM that permanent lighting is installed and ready for inspection.	Gavaldon	pt operation			C
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	Rob Holt	pt initiating changes		N/A	C
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		N/A	C
535B	CEC		x	x	GEN-1	2007 Ca Buidling Standards Code Compliance	Provide the CPM a copy of the certificate of occupancy (CO) <b>Unit 1</b>	BV	< 30d of receipt		Temporary CO received	C
564	CEC			x	GEN-8	As-builts, CBO Notification of Completion and Compliance	Provide CBO with 3 sets of electronic plans.	McCord	< 90d after construction completion	6/13/2014	4/23/14 Complete. Spoke to Eric V. and he is waiting	C
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	Matt McCord/Patrick	< 60d after first synchronization		2/1/2013	Approved by the CEC on
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	Submitted on 03/06/14	Approved by the CEC on 03/10/14	
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	Submitted to the CEC on 01/22/14	Approved by the CEC in 2/26/14	
474	CEC		x		TLSN-4	Metallic Object Grounding in ROW	Submit compliance documentation.	Gavaldon	> 30d pt energization	1/21/14	Approved by the CEC in 2/26/14	
475	CEC		x		TLSN-4	Metallic Object Grounding in ROW	Ensure all permanent metallic objects within the Tline ROW are grounded.	Watson	Ongoing	1/21/2014	Approved by the CEC in 2/26/14	

**Master Matrix**

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status	Updated
1	CEC	x			AQ-SC1	Air Quality Construction Mitigation Manager (AQCMM) - staff assignment	Assign Air Quality Construction Mitigation Manager	ECM	> 30d pt gd	11/16/2010 1/13/11	Approved 12/2/2010	
2	CEC		x		AQ-SC1	Air Quality Construction Mitigation Manager (AQCMM) - staff assignment	AQCMM remain onsite to monitor construction activities	ECM	Ongoing		Approved 12/2/10	
3	CEC	x			AQ-SC2	Air Quality Construction Mitigation Plan (AQCMP)	Prepare Air Quality Construction Mitigation Plan (AQCMP)	ECM	> 30d pt gd	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		CEC Approved 11/01/10	
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	.Resubmitted on 11/13/13	
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	13-Nov-13	Approved by the CEC on 12/06/13	
17	CEC	x	x	x	AQ-SC8	Air permit submittals	Submit copies of District issued Authority to Construct & Permit to Operate Documents.	Fluor	< 5d from date of submittal or receipt	12-Dec-10	Approved 1/17/11	
33	CEC		x		AQ-10	HTF Ullage/Exp. Tanks - Carbon absorption system	Submit a monitoring and change-out plan for the system.	McCord	pt initial start up		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	submitted to the CEC on	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	04/11/13 to the CEC # 2013-	MDAQMD approval on 5/29/13 and	
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	04/11/13 to the CEC # 2013-022	MDAQMD approval on 5/29/13 and CEC approval on	
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 CPM for review.	Operations	30d prior to test	Submitted to the CEC and AQMD on 6/21/13	Approved by 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		Approved by CEC 8/21/13	
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	Submitted approval from	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	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	
91	CEC			x	AQ-46	Gas tank and pump - initial and annual testing	Submit results of pressure checks.	Operations	< 30d after test	Submitted to CEC and MDAQMD on 8/02/13	Approved by the CEC on 8/21/13	
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	Approved by CEC 8/21/13	
101	CEC	x			BIO-1	Designated Biologist - staff assignment	Assign Designated Biologist	AECOM	> 30d pt gd	9/27/2010 2/18/11	Approved /German	

**Master Matrix**

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status	Updated
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	No Documentation/ DB German responsibility	
106	CEC	x			BIO-3	Biological Monitors - Staff assignment	Assign Bio Monitors and submit training verification	AECOM	> 30d pt gd	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		No documentation- All monitors approved on various dates	
113	CEC	x			BIO-6	Worker Environmental Awareness Program (WEAP)	Prepare and Submit WEAP (including trainer resume)	AECOM	> 30d pt gd	3-Dec-10	Approved 1/12/11	
117	CEC	x			BIO-6	Worker Environmental Awareness Program (WEAP)	Submit Final WEAP.	Tetra Tech	> 10d pt gd	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	23-Nov-10	comments received 12/21/10	
121	CEC	x			BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Conduct Aerial Surveys and submit pre-const. photos for review	Holt	Prior to construction	10-Jan-11	Completed	
126	CEC	x			BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Submit final BRMIMP.	Tetra Tech	> 7d pt gd	1/5/2011 1/11/11	Approved 1/12/11	
128	CEC	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	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	completed	Completed-No documentation	
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	completed	Completed-No documentation	
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	completed	Completed-No documentation	
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	completed	CEC approval 4/15/11	
137	CEC		x		BIO-9	Desert Tortoise Clearance Surveys and Fencing	Submit DT survey reports. Ph I	Tetra Tech	< 30d after survey complete	2/25/2011 3/28/11	CEC approval 4/15/11	
137	CEC		x		BIO-9	Desert Tortoise Clearance Surveys and Fencing	Submit DT survey reports. Ph II	Tetra Tech	< 30d after survey complete		CEC approval 4/15/11	
138	CEC		x		BIO-9	Desert Tortoise Clearance Surveys and Fencing	Inspect temporary fencing weekly and, where drainages intersect the fencing, during and within 24 hours following major rainfall events. Repair fence	German	< 24hr following rain event		Permanent Fence Complete	
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	completed	CEC approval 4/15/11	
141	CEC	x			BIO-9	Desert Tortoise Clearance Surveys and Fencing	Install exclusion (supervised by Des. Bio or Monitors) fencing PT site clearing and grubbing.	Fluor	pt clearing and grading	completed	CEC approval 4/15/11	
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.	German	following const of permanent fence		Permanent Fence Complete	
143	CEC	x			BIO-10	Desert Tortoise Translocation Plan	Submit final version of Desert Tortoise Translocation Plan.	Tetra Tech	< 30d pt site mobilization	11/29/10, resubmitted	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	3-Jan-11	Approved-No documentation	
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	3-Jan-11	Completed- No documentation	
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		CEC approval 1/14/11	
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		CEC approval 1/14/11	
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	N/A Funding in lieu of	No documentation	
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	N/A Funding in lieu of	No documentation	
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		CEC approved 1/4/11	

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157	CEC	x			BIO-12	Desert Tortoise Compensatory Mitigation	Notify (written) CPM of gd activity commencement.	Tetra Tech	> 30d pt gd	3-Jan-10	Completed-No approval documentation	
157	CEC	x			BIO-12	Desert Tortoise Compensatory Mitigation	Notify (written) CPM of gd activity commencement. Phase II	Tetra Tech	> 30d pt gd		Completed-No approval	
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 <u>long-term maintenance and management</u> 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		Complete	Completed-No documentation	
161	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	Alternative to compensation lands, contribute funds to the Renewable Energy Action Team (REAT).	Fluor		Complete	Completed-No documentation	
162	CEC		x		BIO-12	Desert Tortoise Compensatory Mitigation	Submit a Management Plan for Compensation Lands.	Fluor	< 180d after acquisition	Complete	Completed-No approval	
164	CEC	x			BIO-13	Raven Management Plan	Submit final Raven Management Plan.	Tetra Tech	> 30d pt construction	12/3/2010 1/4/11	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	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	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.	DB	until fledged	24-Feb-11	Complete-No documentation	
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	DB	until fledged	24-Feb-11	Complete-No	
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.	DB	< 7d pt construction	24-Feb-11	Complete-No documentation	
176	CEC	x	x		BIO-15	Pre-construction Nest Surveys and Avoidance Measures	Submit letter report of nest survey results.	DB	pt gd	24-Feb-11	Complete-No documentation	
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.	DB	until fledged	24-Feb-11	Complete-No documentation	
179	CEC	x			BIO-16	Avian Protection Plan.	Submit a final Avian Protection Plan.	Tetra Tech	> 30d pt construction-related gd	12/6/2010 1/4/11	Approved 1/12/11	
185	CEC		x		BIO-17	American Badger and Desert Kit Fox Impact Avoidance & Minimization	Submit a report of badger and kit fox survey results. Ph I	Nextera Energy	< 30d after survey complete	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	Submit a report of badger and kit fox survey results. Ph II	Nextera Energy	< 30d after survey complete	2/25/11 & 3/28/11	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	Completed	Completed-No documentation	
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	N/A	No owls detected	
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	No owls detected	
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		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	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		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		Approved Wildlands 10/11/11	

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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	NA	No owls detected	
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	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	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	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		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		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	NA	N/A per CEC on 11/02/10	
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	N/A	N/A per CEC on 11/02/10	
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		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	N/A	N/A No rare plants found	
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		N/A	
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		N/A	
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		N/A	
213	CEC		x		BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Compensatory Mitigation: Complete acquisition and submit verification.	Tetra Tech	< 18 m after start of gd		N/A	
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		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		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		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	9/27/2010 2/8/11	Approved 10/15/10	
220	CEC	x			BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Include Special-Status Plant discussion in the Worker Environmental Awareness Program (WEAP).	Tetra Tech		12/3/2010 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	completed	Approved 1/14/11	
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.	DB	pt construction	NA	Approved by CEC 11/2/10	
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	Approved by CEC 11/2/10	
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	NA	Approved by CEC 11/2/10	

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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	NA	Approved by CEC 11/2/10	
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	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		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	2/19/2013 Comp Log #	CEC Approval on 3/18/13 South	
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	3-Jan-11	No work in state waters	
260	CEC		x		BIO-22	Mitigation for Impacts to State Waters	Transfer fee title or submit a conservation easement for compensation lands.	Genesis ECM			Wild lands approval 11/10/11	
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	23-Dec-10	1/4/2011	
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	23-Nov-10	Completed-No documentation	
265	CEC		x		BIO-22	Mitigation for Impacts to State Waters	Submit verification of acquisition.	McCord	< 18m after start of construction	N/A	Funding in lieu of acquisition	
270	CEC	x			BIO-23	Decommissioning and Closure Plan	Post security for Decommissioning and Closure Plan.	NextEra	> 10d pt construction-related gd	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	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	8/25/2010 resubmitted	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	25-Oct-10	Completed-No approved	
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	No ponds created	
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	n/a	No ponds created	
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	11/20/2010 resubmitted	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	19-May-11	Approved 6/30/11	
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	23-Dec-10	No eagles or habitat	
289	CEC	x			CUL-1	prehistoric Trails Network Cultural	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	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	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	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	5-Apr-12	Completed-No approval documentation	

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#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status	Updated
297	CEC	x			CUL-3	Cultural Resources Personnel	Submit resumes for a CRS, alternate CRS (optional), prehistoric archaeologist, ethnographer, historical archaeologist, project	AECOM	> 75d pt gd	26-Aug-10	CRS, Approved 10/18/10	
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	Completed with resume submittal	CEC approval on various dates	
301	CEC	x			CUL-3	Cultural Resources Personnel	Submit letter with names and quals of CR Monitors.	AECOM	15d pt data recovery	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	NA	1/13/2011	
302	CEC		x		CUL-4	Project Documents for Cultural	If phased construction schedule changes, submit notice of change.	Gavaldon	< 5d of decision		No Phasing	
303	CEC	x	x		CUL-4	Project Documents for Cultural	If construction is phased, submit maps and drawings. Provide phase	AECOM	15d pt start of each phase	Completed	No phasing	
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	AECOM	15d pt start of each phase	Completed with CIVIL-1	No phasing	
304	CEC	x			CUL-4	Project Documents for Cultural Resources Personnel	Submit CR data and maps to CR staff and CPM.	AECOM	> 60d pt gd	1-Dec-10	Complete-No approval	
305	CEC	x	x		CUL-4	Project Documents for Cultural Resources Personnel	Submit any changes in footprint.	AECOM	15d pt gd	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.	AECOM	> 30d pt gd	12-Nov-10	Complete-No approval documentation	
308	CEC	x			CUL-5	Cultural Resources Monitoring and Mitigation Plan	Submit letter agreement to fund curation fees.	AECOM	> 20d pt gd	10-Dec-10	Complete-No documentation	
309	CEC	x			CUL-5	Cultural Resources Monitoring and Mitigation Plan	Submit the CRMMP.	AECOM	> 30d pt gd	3/1/2011 4/4/11	CEC approval 5/16/11	
313	CEC	x			CUL-7	Worker Environmental Awareness Program	CRS to submit training program.	AECOM	> 30d pt gd	12/10/2010 resubmitted on	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		Complete-No approval	
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			N/A per a memo from the CEC on 2/19/13.	
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	8-Feb-11	Approved 3/2/2011	
326	CEC	x			CUL-8	Construction Monitoring Program	CPM to provide CRS with daily monitoring form.	AECOM	> 30d pt gd	26-Nov-10	Complete-Documented in MCR	
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.	AECOM	> 30d pt gd	10-Dec-10	Complete-No documentation	
332	CEC	x			CUL-10	WEAP - Cultural Considerations	Notify CPM that data recovery for small site has begun.	AECOM	> 15d pt data recovery	21-Dec-10	Complete-No documentation	
332	CEC	x			CUL-10	WEAP - Cultural Considerations	Notify CPM that data recovery for small site has begun.Phase II	AECOM	> 15d pt data recovery	9-Mar-11	3/28/2011	
338	CEC	x			CUL-11	Data Recovery for Large sites	Notify CPM of recovery at large sites.	AECOM	> 45d pt gd at site	21-Dec-10	Complete-No documentation	
340	CEC		x		CUL-12	Surface Collection with Sampling for site	Notify CMP of collection at CA-Riv-9072 is complete and PRIOR to CR gd in	AECOM	< 7d pt gd at site		3/28/2011	
341	CEC	x			CUL-12	Surface Collection with Sampling for site CA-RIV-9074	Notify CPM that collection at CA-Riv-9072 will commence.	AECOM	> 15d pt data recovery	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.	AECOM			Approved 8/19/11	
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		Complete no Documentation.	
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		Complete-No documentation	
347	CEC				CUL-14		DELETED	AECOM			Deleted	
348	CEC				CUL-15		DELETED	AECOM			Deleted	
349	CEC	x			CUL-16	Native American Assessment of Impacts	Submit results of Native American consultation.	AECOM	> 15d pt construction		CEC Approval	
350	CEC	x			CUL-16	Native American Assessment of Impacts	Notify CPM of consultation.	AECOM	> 30d pt construction	12-Dec-10	CEC Approval	



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350	CEC	x			CUL-16	Native American Assessment of Impacts and Mitigation Recommendations for Ethnographic Resources	Documentation that security gate/guard is in place.	AECOM	pt grading		Complete-No documentation	
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	AECOM	pt construction	Ongoing	Phase 2 mitigation	
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	1-Mar-11	Complete-No documentation	
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	3/28/2011	
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	Submit a final Process Safety Management Plan.	Fluor	> 60d pt receipt of hazmat		NOT REQUIRED PER THE CEC	
359	CEC		x		HAZ-2	Hazardous Materials Business Plan, Spill Prevention, Control and	Submit a final Spill Prevention, Control, and Countermeasure Plan.	Mosley	> 60d pt receipt of hazmat		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	3/08/13 to the CEC # 2013-013	Approved by the CEC on 5/2/13	
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		Approved by the CEC on 8/15/11	
363	CEC	x			HAZ-5	Construction Site Security Plan	Submit a Construction Security Plan Verification.	Fluor	> 30d pt construction	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	3/15/2013 resubmitted	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	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		Posted on the CEC website	
370	CEC		x		NOISE-1	Resident Notification- Pre-construction	Post telephone number for noise complaints at the site during construction, visible to passersby.	Fluor	Construction		Posted on the CEC website 1/14/11	
371	CEC	x			NOISE-1	Resident Notification- Pre-construction	Submit statement and documentation of compliance to CPM.	Fluor	pt gd	14-Jan-11	Approved CEC 1/19/11	
376	CEC	x			NOISE-3	Noise Control Program	Submit a Noise Control Program and a statement of commitment.	Fluor	> 30d pt gd	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	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	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		Complete-No documentation	
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-No documentation	
398	CEC	x			Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Monitor wells, seeps and springs to establish preconstruction conditions.	Worley Parsons		completed	Complete 1/4/11	
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		Complete 1/4/11	
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	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	Fluor	> 30d pt construction of GW well		4/29/2011	
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		4/29/2011	
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 constuction		4/29/2011	
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	31-Mar-11	4/29/2011	



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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	31-Jan-11	Complete-No approval	
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.	McCord	> 30d pt start of operations	Submitted to the CEC on	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)	Prelim 3/9/11 Draft 3/22/11	Complete-No approval documentation	
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)	Prelim 3/9/11 Draft 3/22/11	Complete-No approval documentation	
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)	Prelim 3/9/11	Complete-No approval documentation	
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)	Prelim 3/9/11	Complete-No approval documentation	
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		Michelle from WP working with Riverside County	
432	CEC		x		Soil & Water-13	Channel Maintenance Program	Submit two copies a Channel Maintenance Program.	Operations	> 60d pt start of project related activity		Resubmitted to CEC on 11/21/13	
435	CEC	x			Soil & Water-14	Decommissioning and Closure Plan - Water and Wind Considerations	Submit Decommissioning Plans.	Worley Parsons	> 60d pt site mobilization	22-Oct-10	Approved 10/29/10	
438	CEC	x			Soil & Water-15	Coloardo River Flow Mitigation, Water Supply Plan	Submit a Water Supply Plan.	Jeff Harvey	> 30d pt GW extraction for const.	12/3/2010 resub. 2/1/11	Approved 5/3/11	
440	CEC	x			Soil & Water-17	Ground Subsidence Monitoring and Action Plan	Submit the Ground Subsidence Monitoring and Action Plan.	Worley Parsons	> 30d pt GW extraction for const.	8-Dec-10	Approved 12/23/10	
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			CBO	
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	19-Mar-11	Approval 1/29/11	
447	CEC	x			Soil & Water-20	Groundwater Quality Monitoring and Reporting Plan	Submit a Groundwater Quality Monitoring and Reporting Plan > 6 weeks pt start of construction.	Worley Parsons	> 45d pt construction	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	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		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.	3-Dec-10	Approved 1/21/10	
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	16-Dec-10	Complete-CEC approval 8/12/11	
453	CEC	x			TRANS-1	Traffic Control Plan	Submit a Traffic Control Plan plus a copy of the transmittal letter to Caltran and County.	Fluor	> 60d pt gd	11/23/2010 resubmitted	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		Approved 8/12/11	
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	21-Dec-10	Approved 1/10/11	
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	Completed 1/24/11	Approved 1/10/11	
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		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		CEC Approved on 8/22/11	
479	CEC		x		VIS-2	Temporary and Permanent Exterior Lighting	Submit a Lighting Mitigation Plan.	McCord	> 60d pt ordering permanent lighting		Completed no documentation	
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		Completed no documentation	
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		Completed no documentation	
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		Approved by the CEC	
492	CEC		x		VIS-4	Reflective Glare Mitigation	Submit a fencing plan describing mitigation for off-site glare.	McCord	> 90d pt fence construction		Completed no documentation	
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	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	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	4-Nov-10	Approved 11/30/10	

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500	CEC	x			WASTE-4	Construction Waste Management Plan	Submit a Construction Waste Management Plan.	Fluor	> 30d pt construction	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	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	MAY 2012 MCR and	CEC Approval on 03/23/13	
509	CEC		x		WASTE-9	Operation Waste Management Plan	Submit the Operation Waste Management Plan.	Operations	> 30d pt operation	25-Jul-13	Approved by the CEC on 8/25/13	
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	Fluor/Tomey Pouncy	pt CPM submittal	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;	Fluor	> 30d pt construction	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	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	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		Approved no documentation	
521	CEC	x			Worker Safety-4	CBO Payments	Submit verification of agreement with CBO for a Safety Monitor to CPM.	NextEra	> 60d pt construction	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	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	complete	CEC approval on 1/14/11	
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	complete	CEC approval on 1/14/11	
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	3-Nov-10	CEC approval on 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)		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)		Approved 11/16/12	
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.	Fluor/McCord	> 180d pt receipt of HTF		CEC/RCFD Agreement to	
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	NextEra	> 30d pt site mobilization	12/21/2010 1/12/11	CEC temp Approval 11/16/12	
531	CEC	x			Worker Safety-8	Dust Control Plan	Submit Dust Control Plan.	Fluor w/ Tt support	> 60d pt site mobilization	1-Nov-10	Approved 1/13/11	
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	Occurred on 2/2013	Approved thru submission on 06/14/13	
539	CEC	x			GEN-2	Facility Design Submittals to CBO and	Submit a schedule of facility design submittals, and master drawing and Assign a California- registered architect, or a structural or civil engineer, as the resident engineer (RE) in charge of the project.	Fluor	< 60d pt grading	17-Nov-10	Approved 12.20.10	
542	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	> 30d pt grading	14-Jan-11	CEC Approved 1/19/11	
543	CEC	x			GEN-4	Resident Engineer - Staff Assignment	Submit resume of the soils (geotechnical) engineer.	Fluor	< 5d of approval	30-Dec-10	Approved 1/19/11	
544	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment	Notify CPM of CBO approval of soils (geotechnical) engineer.	Fluor	> 30d pt grading	1-Dec-10	Approved-No documentation	
545	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment	Submit resume of the civil engineer.	Fluor	< 5d of approval	30-Dec-10	Complete-No documentation	
546	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment		Fluor	> 30d pt grading	1-Dec-10	Approved-No documentation	

**Master Matrix**

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status	Updated
547	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment	Submit resume of the mechanical engineer .	Fluor	> 30d pt construction	1-Dec-10	Approved-No documentation	
548	CEC	x			GEN-5	Civil Engineer or Structural Engineer - Staff Assignment	Submit resume of the engineering geologist.	Fluor	> 30d pt grading	1-Dec-10	Approved-No documentation	
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	21-Dec-10	Complete-No approval	
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	21-Dec-10	Complete-No approval	
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	21-Dec-10	Complete-No approval documentation	
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;	Fluor	> 15d pt grading	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;	Fluor	> 15d pt grading		Approved 1/21/11 no phasing	
567	CEC	x			CIVIL-1	CBO Submittals- Drainage and Grading, Statement of Submittal	Include CBO approval in following monthly compliance report.	BV	< 30d after approval		Approved 1/21/11	
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.		Approved by the CEC on 12/20/10	
585	CEC		x		STRUC-4	2007 CBC Compliance for Toxic or HAZMAT	Submit to the CBO final design plans for tanks or vessels.	McCord	> 30d pt installation	Submitted in MCR's	CEC approved on 11/26/13	
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	Submitted in MCR's	Approved 11/26/13	
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	Submitted in MCR's	Approved 11/26/13	
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	McCord		Completed submitted in	CEC approval11/26/13	
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	Completed submitted in	CEC approval11/26/13	
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	MCR	Completed submitted in MCR's	CEC approval11/26/13 submitted in MCR's	
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.	Gavaldon	> 30d pt start of each increment of construction	Submitted in MCR's	Approved 11/26/13	
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		Completed submitted in MCR's	CEC approval11/26/13 submitted in MCR's	
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	Gavaldon	MCR	Submitted in MCR's	Approved 11/26/13	
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	Completed submitted in MCR's	CEC approval11/26/13 submitted in MCR's	
605	CEC	x			PAL-1	Paleontological Resource Specialist - Staff Designation	Submit resume of Paleo Resource Monitors.	Tetra Tech	> 20d pt gd		Complete-No approval documentation	
606	CEC	x			PAL-1	Paleontological Resource Specialist - Staff Designation	Submit resume of the Paleo Resource Specialist (PRS).	Tetra Tech	> 60d pt gd	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	4-Jan-11	CEC approval 1/14/11	
611	CEC	x	x		PAL-2	PRS Submittal - Stie Drawings Showing Disturbance Areas	Submit schedule of construction phases before work commences on affected power plants.	Fluor	pt start of const on affected power plants	4-Jan-11	CEC approval 1/14/11	

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#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status	Updated
612	CEC	x	x		PAL-2	PRS Submittal - Stie Drawings Showing Disturbance Areas	If the footprint of the project or its linear facilities change, provide maps and drawings reflecting those changes.	Fluor	> 15d pt gd	1/4/2011 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	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	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	14-Dec-10	Approved 1/4/2011	
627	CEC	x			TSE-1	CBO and CPM submittal - Schedule of design submittals (Master Drawing List,	Submit the schedule, a Master Drawing List, and a Master Specifications List.	Watson	pt construction		See GEN-2 Approved by CEC	
632	CEC		x		TSE-4	CBO Submittal - Power Plant Switchyard, Outlet Line and Termination Design	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	McCord	pt start of each increment of construction	Submitted in MCR's	Approved 11/26/13	
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	Submitted in MCR's	Approved 11/26/13	
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		Completed submitted in MCR's	CEC approval 11/26/13 submitted in MCR's	
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.	Gavaldon	MCR	Submitted in MCR's	Approved 11/26/13	
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	Watson	pt const of Tline	Submitted to the CBO	Approved by the CEC on 12/04/13	
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		N/A No changes	
639	CEC			x	TSE-7	ISO Notification	Submit telephone notification to the California ISO Outage Coordination Department	Operations	> 1d pt synchronizaiton	24-Sep-13	Approved by the CEC on 12/06/13	
640	CEC			x	TSE-7	ISO Notification	Submit to the California ISO a letter stating the proposed date of synchronization.	Operations	> 7d pt synchronizaiton	24-Sep-13	Approved by the CEC on 10/16/13	
641	CEC			x	TSE-7	ISO Notification	Submit a report of conversation with the California ISO.	Operations	> 1d pt synchronizaiton	24-Sep-13	Approved by the CEC on 12/06/13	
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	5-Nov-10	Complete-No approval	
650	CEC	x	x		COMPLIANCE-6	Monthly Compliance Report and Key Events List	Submit Monthly Compliance Reports. Include an initial list of dates for each of the events identified on the Key Events List.	Gavaldon	1st MCR	12/7/2010 1/12/11	Complete-Filed in first MCR	
653	CEC	x			COMPLIANCE-9	Complaints, Notices and Citations	Send a letter to property owners living < 1mile of the project notifying them of a telephone number to contact project representatives with questions, complaints, or concerns.	NextEra	pt construction		Approved 1/19/11	
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	Operations	30 days prior to operation	12-Nov-13	Approved by the CEC on 01/23/14	
24B	CEC			x	AQ-6	Initial MDAQMD Compliance Test - NG boilers	Notify agencies within fifteen working days before the initial MDAQMD compliance test. <b>UNIT 1</b>	McCord/Gavaldon	< 180d after initial start up		1/15/2014	
24A	CEC		x		AQ-6	Initial MDAQMD Compliance Test - NG boilers	Notify agencies within fifteen working days before the initial MDAQMD compliance test. <b>UNIT 2</b>	Gavaldon	< 15d prior to test		1/15/2014	
41A	CEC		x		AQ-13	HTF Ullage/Exp. Tanks - Compliance Testing Plan and Reporting	Notify <b>District</b> and <b>CPM</b> prior to testing. <b>UNIT 2</b>	Operations	10d prior to test	Notified MDAQMD and	Notified MDAQMD and CEC of Vent	
41B	CEC		x		AQ-13	HTF Ullage/Exp. Tanks - Compliance Testing Plan and Reporting	Notify <b>District</b> and <b>CPM</b> prior to testing. <b>Unit 1</b>	McCord/Gavaldon	10d prior to test		12/20/2013	

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#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status	Updated
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			
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	McCord	> 30d pt installation	Completed submitted in	CEC approval11/26/13	
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	Completed submitted in MCR's	CEC approval11/26/13 submitted in MCR's	
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 2</b>	McCord	upon installation	Completed submitted in MCR's	CEC approval11/26/13 submitted in MCR's	
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	Completed submitted in MCR's	CEC approval11/26/13 submitted in MCR's	
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	Completed submitted in MCR's	CEC approval11/26/13 submitted in MCR's	
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	Completed submitted in MCR's	CEC approval11/26/13 submitted in MCR's	
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	Approved by CEC on 1/30/14	
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			C
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 until 3/2014, then Ops 4/2014	< 30d of submittal		3/1/2014	
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 until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
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 until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
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 until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
9	CEC		x		AQ-SC5	Diesel engine emissions - monitoring and reporting	<i>Implement Diesel-Fueled Engine Control</i>	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
9	CEC		x		AQ-SC5	Diesel engine emissions - monitoring and reporting	Submit compliance documentation in Monthly Compliance Report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
102	CEC		x		BIO-2	Designated Biologist - responsibilities	Include documentation of biological resource compliance in the Monthly Compliance Reports.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
110	CEC		x		BIO-4	Biological Monitors - responsibilities	Include BIO-4 compliance documentation in Monthly Compliance Report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
115	CEC		x		BIO-6	Worker Environmental Awareness Program (WEAP)	Submit training records in the Monthly Compliance Report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
124	CEC	x	x		BIO-7	Biological Resources Mitigation Implementation and Monitoring Plan	Include BIO-7 compliance documentation in Monthly Compliance Report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
130	CEC		x		BIO-8	Impact Avoidance and Minimization Measures	Include BIO-8 compliance documentation in Monthly Compliance Report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
192	CEC	x	x		BIO-18	Burrowing Owl Impact Avoidance, Minimization and Compensation Measures	Submit burrowing owl compliance documentation in monthly compliance report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
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 until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			

**Master Matrix**

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status	Updated
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/Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
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 until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
323	CEC		x		CUL-8	Construction Monitoring Program	Include report of any NCRs in monthly compliance report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
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 until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
381	CEC	x	x		Soil & Water-1	Drainage Erosion and Sedimentation Control Plan	Submit compliance documentation in the Monthly Compliance Report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
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 until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
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 until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
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 until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
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 until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
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 until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
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 until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
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 until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
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 until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
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 until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
571	CEC		x		CIVIL-3	CBO Inspection of 2007 CBC Compliance	Include a list of NCRs in the following Monthly Compliance Report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
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 until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
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 until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
616	CEC		x		PAL-4	Paleontological WEAP	Submit Paleo training documentation in Monthly Compliance Report.	Gavaldon until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
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 until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
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 until 3/2014, then Ops 4/2014	MCR (final MCR 1 month after Construction Completion)			
6	CEC		x		AQ-SC3	Construction Fugitive Dust Control; AQCOMM monthly reporting -	Implement Dust Control BMPs	Gavaldon	Construction Completion 2/14/13			
6	CEC		x		AQ-SC3	Construction Fugitive Dust Control; AQCOMM monthly reporting -	Stabilize all disturbed areas after construction activities.	Gavaldon	Construction Completion 2/14/13			
8	CEC		x		AQ-SC4	Dust Plume Response Requirement	Monitor all construction activities for visible dust plumes. If plumes observed, implement mitigation as specified.	Gavaldon	Construction Completion 2/14/13			C
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)	Gavaldon	Construction Completion 2/14/13			C
107	CEC		x		BIO-3	Biological Monitors - Staff assignment	Submit information on additional bio monitors, if needed	Gavaldon	> 10d pt monitoring activity			C
111	CEC		x		BIO-4	Biological Monitors - responsibilities	Bio Mons assist DB with surveys and monitoring disturbance activities.	Guigliano	Ongoing			C
112	CEC		x		BIO-5	Designated Biologist and Biological Monitor Authority	Des Bio to notify agencies if there a stop work order.	German	Ongoing			C



**Master Matrix**

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status	Updated
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			C
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			C
141	CEC	x			BIO-9	Desert Tortoise Clearance Surveys and Fencing	Design security gates with minimal ground clearance to deter ingress by tortoises.	McCord				C
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			C
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			C
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			C
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			
455	CEC	x	x		TRANS-2	Vehicle Weight Limits	Retain copies of transportation permits and supporting documentation on-site for inspection if requested.	Gavaldon				
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 (During Construction, if needed)			
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 (During Construction, if needed)			
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(During Construction, if needed)			
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			
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.	McCord	< 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.	McCord	Ongoing			
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			
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			
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				
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				
278	CEC				BIO-25		DELETED					
279	CEC				BIO-26		DELETED					
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			Until Ground Disturbing Completion 2/14/14
296	CEC	x	x		CUL-3	Cultural Resources Personnel	CRS to oversee all cultural resources mitigation, monitoring, curation, and reporting activities.	Tennyson	Ongoing			Until Ground Disturbing Completion 2/14/14
298	CEC	x	x		CUL-3	Cultural Resources Personnel	Submit letter with names and quals of <i>additional</i> CR Monitors.	Tennyson	5d pt arrival on site	30-Mar-11		Until Ground Disturbing Completion 2/14/14
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			Until Ground Disturbing Completion 2/14/14
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			Until Ground Disturbing Completion 2/14/14

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311	CEC		x		CUL-6	Cultural Resources Report	Submit documentation of CRR distribution to parties.	AECOM	< 10d of CRR approval		Until Ground Disturbing Completion 2/14/14	
316	CEC		x		CUL-7	Worker Environmental Awareness Program	Conduct WEAP training for all new workers prior to and during gd (including landscaping)	Mann	Ends with construction inside and outside fence 2/14/14		Until Ground Disturbing Completion 2/14/14	
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	Ongoing	Until Ground Disturbing Completion 2/14/14	
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		To be included until the final MCR at Construction Completion	
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		Until Ground Disturbing Completion 2/14/14	
323	CEC		x		CUL-8	Construction Monitoring Program	Notify CPM of NCRs w/in 24 hrs, recommend corrective action.	AECOM	< 24hr of discovery		Until Ground Disturbing Completion 2/14/14	
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		Until Ground Disturbing Completion 2/14/14	
328	CEC	x	x		CUL-8	Construction Monitoring Program	Submit "discovery" responses from tribes.	AECOM	< 15d of receipt		Until Ground Disturbing Completion 2/14/14	
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	Until Ground Disturbing Completion 2/14/14	
331	CEC		x		CUL-10	WEAP - Cultural Considerations	Implement CRMMP when within 30meters of these sites.	AECOM	Ongoing		Until Ground Disturbing Completion 2/14/14	
334	CEC	x			CUL-10	WEAP - Cultural Considerations	Notify CPM when data recovery is complete.	AECOM	< 1w of data recovery completion	1-Feb-11	Until Ground Disturbing Completion 2/14/14	
334	CEC	x			CUL-10	WEAP - Cultural Considerations	Notify CPM when data recovery is complete. Phase II	AECOM	< 1w of data recovery completion			
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			
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			
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			
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			
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			
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			
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			
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			
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			
430	CEC		x	x	Soil & Water-13	Channel Maintenance Program	Supervise the implementation of a Channel Maintenance Program.	Operations	Ongoing			



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431	CEC		x		Soil & Water-13	Channel Maintenance Program	Ensure the Project Construction Manager receive training on the Channel Maintenance Program.	McCord	Ongoing			
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			
445	CEC				Soil & Water-18	Water Policy Compliance Water Supply Plan	DELETED					
487	CEC				VIS-3	Tline setback from I-10	DELETED					
507	CEC				WASTE-8	Reuse/Recycling Plan	DELETED					
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	McCord	< 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	McCord	< 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.	McCord	< 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			
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			
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			
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			
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			
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			
16	CEC	x	x	x	AQ-SC8	Air permit submittals	Submit all modified or revised ATC/PTO documents and all federal air permits.	Gavaldon until 3/2014, then Ops 4/2014	< 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			
25	CEC			x	AQ-5	Operation limits- NG boilers	Equipment shall not be operated for more than 1,000 hours per rolling 12 month period or exceed 14 hours per calendar day. Maintain boiler use records	Operations	Annually			
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			

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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			
37	CEC			x	AQ-12	HTF Ullage/Exp. Tanks- Inspection, Maintenance and Monitoring Plan	Make the site available to the District, ARB, and the Energy Commission for inspection of records.	Operations	Ongoing			
39	CEC			x	AQ-12	HTF Ullage/Exp. Tanks- Inspection, Maintenance and Monitoring Plan	Submit volume of HTF removed and added in Annual Report.	Operations	Annually			
44	CEC			x	AQ-14	HTF Ullage/Exp. Tanks - Initial MDAQMD Compliance Testing and Reporting	Perform initial compliance tests in accordance with the MDAQMD Compliance Test Procedural Manual. Submit test report.	Operations	< 180d after initial start up			
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			
52	CEC			x	AQ-18	Equipment Operation, Application Requirements - Cooling Towers	Operate cooling towers in compliance with all data and specifications submitted in application.	Operations	Ongoing			
53	CEC			x	AQ-19	Equipment Operation Manufacturer Specifications - Cooling Towers	Operate cooling towers in compliance with all manufacturer specifications.	Operations	Ongoing			
54	CEC			x	AQ-20	Drift Eliminator Monitoring and Reporting - Cooling Towers	Comply with drift rate emissions cap (see full text).	Operations	Ongoing			
56	CEC			x	AQ-20	Drift Eliminator Monitoring and Reporting - Cooling Towers	Submit compliance documentation on operating emission rates with Annual Report.	Operations	Annually			
58	CEC			x	AQ-23	Operating Time Restrictions - Cooling Towers	DELETED	DELETED	DELETED			
59	CEC			x	AQ-23	Operating Time Restrictions - Cooling Towers	DELETED	DELETED	DELETED			
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			

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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.	Operations	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			
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			
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.	Operations	Ongoing			
89	CEC		x	x	AQ-45	Gas tank and pump - Vapor vent piping	Equip the vapor vent pipes with Husky 5885 pressure relief valves or as otherwise allowed by EO.	Operations	Ongoing			
90	CEC			x	AQ-46	Gas tank and pump - initial and annual testing	Perform pressure, leak and liquid removal tests annually. Document test data on a Form similar to EO VR-401-A Form 1	Operations	< 60d after construction completion			
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	Operations	Annually			
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.	Operations	Ongoing			
97	CEC			x	AQ-48	Gas tank and pumps - certified technician	Maintenance and repair of system components shall be performed by OPW Certified Technicians.	Operations	Ongoing			
98	CEC			x	AQ-49	Gas tank and pumps - maintenance intervals	Maintenance Intervals shall be conducted by an OPW trained technician annually.	Operations	Annually			
100	CEC			x	AQ-51	Gas tank and pumps - EVR phase I and II	Maintain, and operate EVR Phase I in compliance with CARB Executive Order VR-401-A, and Phase II vapor recovery in accordance with G-70-116-F.	Operations	Ongoing			
103	CEC			x	BIO-2	Designated Biologist - responsibilities	Des Bio to submit bio compliance documentation through operations, unless approved by the CPM.	German - Gavaldon Annual Report 2013, then Ops Annual Report 2014	Annually			
105	CEC			x	BIO-2	Designated Biologist - responsibilities	Submit BRMIMP compliance summary reports in Annual Compliance Report.	German - Gavaldon Annual Report 2013, then Ops Annual Report 2014	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 - Gavaldon Annual Report 2013, then Ops Annual Report 2014	Ongoing			
108	CEC			x	BIO-4	Biological Monitors - responsibilities	Employ a Bio Mon during operations if any action could affect a sensitive bio resource.	Gavaldon until 3/2014, then Ops 4/2014	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			

**Master Matrix**

#	Agency	Pre-con	Const	ops	COC	Title	Description	Responsibility	COC Verification	Date Submitted to Agency	Agency Status	Updated
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.	Operations for Unit 2 provide Gavaldon with monthly training roster for the MCR until 3/31/14. Gavaldon for Unit 1 construction until 3/2014. Then Ops will assume full responsibility 4/2014	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			
163	CEC			x	BIO-13	Raven Management Plan	Submit a status report of the Raven Management Plan implementation.	German	< 30d after start of operation			
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			
170	CEC			x	BIO-14	Weed Management Plan	Submit a status report of Weed Management Plan implementation.	Alice Karl-Operations	< 30d after start of operation			
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-Operations	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			
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			
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			
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			
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			
246	CEC			x	BIO-21	Evaporation Pond Netting and Monitoring	If after 12 quarterly inspections there are no entanglements, continue biannually (spring, fall).	AECOM 12 quarterly inspections. with approval from agencies then Compliance Manager (Read COC BIO-21 Sub 4)	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			
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).	Operations for Unit 2- Gavaldon for Unit 1 Construction until 3/2014. Then Ops 4/2014	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.	Gavaldon Annual Report 2013, then Ops Annual Report 2014	Annually			
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			
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	Genesis Project management/ECM	Ongoing			
264	CEC			x	BIO-22	Mitigation for Impacts to State Waters	Submit a report of monitoring and management of compensation lands.	NA	Jan-31 Annually		N/A funding in lieu of mitigation lands	
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.	Gavaldon Annual Report 2013, then Ops Annual Report 2014	Annually			
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.	Gavaldon Annual Report 2013, then Ops Annual Report 2014	Annually			
271	CEC			x	BIO-23	Decommissioning and Closure Plan	Revise and submit Decommissioning and Closure Plan every 5yrs during operations.	Operations	every 5yrs			
274	CEC		x	x	BIO-24	Revegetation of Temporarily Disturbed Areas	Submit status report of Reveg Plan yearly.	Alice Karl	Jan-31 Annually			

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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			
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.	Gavaldon Annual Report 2013, then Ops Annual Report 2014	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.	Gavaldon Annual Report 2013, then Ops Annual Report 2014	Annually			
361	CEC		x	x	HAZ-3	Safety Management Plan for Hazardous Material	Implement Safety Management Plan.	Operations	Ongoing			
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 until 3/2014, then Ops 4/2014	Ongoing			
373	CEC		x	x	NOISE-2	Noise Complaint Process	Contact individual making complaint.	Gavaldon until 3/2014, then Ops 4/2014	< 24hr of receipt			
374	CEC		x	x	NOISE-2	Noise Complaint Process	Submit the Noise Complaint Resolution Form.	Gavaldon until 3/2014, then Ops 4/2014	< 5d of receipt			
375	CEC		x	x	NOISE-3	Noise Control Program	Make the Program available to OSHA upon request.	Gavaldon until 3/2014, then Ops 4/2014	Ongoing			
378	CEC			x	NOISE-4	Occupational Noise Survey	Make the report available to OSHA and Cal/OSHA upon request.	Gavaldon until 3/2014, then Ops 4/2014	Ongoing			
379	CEC			x	NOISE-4	Occupational Noise Survey	Submit report of survey findings.	Gavaldon until 3/2014, then Ops 4/2014	< 30d after test			
382	CEC			x	Soil & Water-1	Drainage Erosion and Sedimentation Control Plan	Submit results of monitoring and maintenance activities in Annual Compliance Report.	Operations	Annually			
383	CEC		x	x	Soil & Water-1	Drainage Erosion and Sedimentation Control Plan	Update and maintain the DESCP for the life of the Project.	Gavaldon until 3/2014, then Ops 4/2014	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			
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			
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.	Gavaldon until 3/2014, then Ops 4/2014	Ongoing			
396	CEC		x	x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Collect water level measurements semi-annually after the first year.	Gavaldon until 3/2014, then Ops 4/2014	semi-annually after first yr of monitoring			
397	CEC	x	x	x	Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Submit monitoring reports, complaints, studies and data.	Gavaldon until 3/2014, then Ops 4/2014	< 10d of receipt			
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			
413	CEC		x		Soil & Water-5	Construction and Operation Water Use	Submit a semi-annual report of construction water use.	Operations for Unit 2 provide Gavaldon with daily meter number for the MCR until 3/31/14. Gavaldon for Unit 1 until 3/2014. Then Ops will assume full responsibility 4/2014	semi-annually		Daily number of DCS for MCR	
414	CEC		x	x	Soil & Water-5	Construction and Operation Water Use	Submit an annual report of water usage (g/month and total).	Gavaldon until 3/2014, then Ops 4/2014	Annually			

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416	CEC			x	Soil & Water-5	Construction and Operation Water Use	GW use during operations must not exceed 202 afy	Operations	Ongoing			
419	CEC		x	x	Soil & Water-6	Waste Discharge Requirements	Submit annual waste discharge permit fee associated with this facility to the Water Boards	Worley Parsons				
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			
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			
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.	Gavaldon Annual Report 2013, then Ops Annual Report 2014	Annually			
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			
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			
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			
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			
508	CEC			x	WASTE-9	Operation Waste Management Plan	Submit actual volume of waste generated and management methods used in each Annual Compliance Report.	Operations	Annually			
511	CEC			x	WASTE-9	Operation Waste Management Plan	Update Operations Waste Management Plan as necessary.	Operations	Ongoing			
512	CEC			x	WASTE-10	HTF Contaminated Soil Hazard assessment	Document all HTF releases. If > 42 gallons, notify agencies and provide analysis of results in accordance with WASTE-10.	Operations	< 28d of release date			
512	CEC		x	x	WASTE-11	HAZMAT Waste Release/Spill Documentation and Corrective Actions	Submit release/spill documentation . If the release was reported, include agency communication.	Operations for Unit 2- Gavaldon for Unit 1 until 3/2014. Then Ops 4/2014	< 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 for Unit 2- Gavaldon for Unit 1 until 3/2014. Then Ops 4/2014	Ongoing			
530	CEC			x	Worker Safety-7	Riv Co Fire Department, Capital and Operating Costs Funding	Provide letter of credit in the amount of \$375,000 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	Annually			
534	CEC			x	Worker Safety-9	Riv Co Fire Dept Joint Training Exercises	Host the annual training on a rotating yearly basis with the other solar power plants.	Operations	Rotate annually			
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				
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			
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.	Operations	< 10d upon discovery			
643	CEC		x	x	TSE-8	Code Compliance	Inspect transmission line to ensure conformance with applicable codes and standards.	Operations	Ongoing			
649	CEC	x	x	x	COMPLIANCE-5	Compliance Matrix	Submit a compliance matrix with each monthly and annual compliance report	Gavaldon until 3/2014, then Ops 4/2014	MCR	7-Dec-10		
651	CEC			x	COMPLIANCE-7	Annual Compliance Reports	Submit Annual Compliance Reports instead of Monthly Compliance Reports.	Operations	Annually			
654	CEC			x	COMPLIANCE-10	Planned Facility Closures	Submit a closure plan to the CPM.	Operations	> 12m pt closure			
421A	CEC			x	Soil & Water-7	Septic System and Leach Field Reqs	Comply with County and State reqs for sanitary waste disposal facilities.	Operations	Ongoing			
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	Operations	Weekly			
139	CEC		x	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	Monthly inspection and < 48hrs following rain event - For the life of the project			C
145	CEC		x	x	BIO-11	Desert Tortoise Compliance Verification	Provide agencies with reasonable access to the Project site and compensation lands.	NextEra	Ongoing			C
146	CEC			x	BIO-11	Desert Tortoise Compliance Verification	Submit a Final Listed Species Mitigation Report.	AECOM	< 45d after initial start up			C
168	CEC		x	x	BIO-13	Raven Management Plan	Implement the approved Raven Management Plan.	AECOM	Ongoing			C
180	CEC		x	x	BIO-16	Avian Protection Plan.	Implement an Avian Protection Plan	Tetra Tech / Operations	Ongoing	Submitted Jan 2011.		C
181	CEC		x	x	BIO-16	Avian Protection Plan.	Report project-related bird deaths or injuries to agencies.	AECOM	Ongoing			C

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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				C
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			C
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	Submitted in monthly report		C
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.			C
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			C
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.			C
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			C
249	CEC			x	BIO-21	Evaporation Pond Netting and Monitoring	Consult with agency regarding removal of injured wildlife in evap ponds.	AECOM	Ongoing			C
252	CEC			x	BIO-21	Evaporation Pond Netting and Monitoring	Des Bio or Monitor must inspect netting monthly during operation.	German	monthly			C
268 B				x	BIO-22	Mitigation for Impacts to State Waters	A total of disturbed state waters					C
268 C				x	BIO-22	Mitigation for Impacts to State Waters	Report in annual					C
268 A	CEC			x	BIO-22	Mitigation for Impacts to State Waters						C
268	CEC	x	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			C
272	CEC			x	BIO-23	Decommissioning and Closure Plan	Implement a final Decommissioning and Closure Plan.	Operations	Project closure			C
275	CEC		x	x	BIO-24	Revegetation of Temporarily Disturbed Areas	Implement Revegetation Plan.	Alice Karl	Ongoing			C
283	CEC		x	x	BIO-27	Couch's Spadefoot Toad Impact Avoidance and Minimization Measures	Implement a CST Protection and Mitigation Plan.	AECOM	Ongoing			C
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			
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			C
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			C

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437	CEC		x	x	Soil & Water-15	Colorado River Flow Mitigation, Water Supply Plan	Implement Water Supply Plan mitigation measures.	Jeff Harvey	Ongoing			C
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			C
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			C
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			C
473	CEC			x	TLSN-3	Combustible Material Inspections	Maintain Tline ROW free of combustible material.	Operations	Ongoing			C
480	CEC		x	x	VIS-2	Temporary and Permanent Exterior Lighting	Notify CPM of lighting complaint resolution/implementation.	Gavaldon	< 48hr of resolution			C
483	CEC		x	x	VIS-2	Temporary and Permanent Exterior Lighting	Submit any received lighting complaints. Include proposal to resolve and schedule.	Operations	< 48hr of complaint receipt			C
484	CEC		x	x	VIS-2	Temporary and Permanent Exterior Lighting	Submit a copy of complaint resolution report.	Operations	< 30d of resolution			C
489	CEC		x	x	VIS-4	Reflective Glare Mitigation	Submit copy of complaint glare resolution form.	Operations	< 30d of receipt			C
490	CEC		x	x	VIS-4	Reflective Glare Mitigation	Submit any glare complaints, including resolution and schedule.	Operations	< 48hr of complaint receipt			C
491	CEC		x	x	VIS-4	Reflective Glare Mitigation	Notify CPM resolution/implementation for glare complaints.	Operations	< 48hr of resolution			C
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.	Operations	< 10d of notification from authorities			C
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			C
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			C
644	CEC		x	x	COMPLIANCE-1	Unrestricted Access	Provide CEC staff and delegate agencies or consultants unrestricted access to the power plant site.	NextEra				C
645	CEC		x	x	COMPLIANCE-2	Compliance Record	The project owner shall maintain project files on-site.	Gavaldon to turn over hard copies to Ops on 3/31/14.				C
646	CEC		x	x	COMPLIANCE-2	Compliance Record	Energy Commission staff and delegate agencies shall be given unrestricted access to the files.	Operations				C
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/Operations				C
652	CEC	x	x	x	COMPLIANCE-8	Confidential Information	Submit confidential information to CEC Executive Director with a request for confidentiality.	Gavaldon	Ongoing			C
655	CEC		x	x	COMPLIANCE-11	Unplanned Permanent Facility Closure	Submit an on-site contingency plan. (Please refer to BIO-23 and S&W-14)	McCord	> 90d of CPM determination			C
656	CEC		x	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. (Please refer to BIO-23 and S&W-14)	Gavaldon	< 24 hrs of closure			C
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/Operations	Ongoing			C
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			



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

**GENESIS SOLAR ENERGY PROJECT  
BIOLOGICAL RESOURCES  
MONTHLY COMPLIANCE REPORT  
FOR MARCH 2014**



***Prepared for:***

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April 2014



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### **ATTACHMENTS**

- 1 Figures
- 2 Species Observed During March 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 outside of the Plant Site activities. During the month of March, activities included revegetation and shoulder maintenance along the paved access road, security gate installations, retention pond repair, repair of the drainage outside of the fence at the northwest corner of Unit 1, and completion of herbicide application. 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 March 2014. The following biological surveys and monitoring took place in March 2014:

- Weekly reconnaissance for ravens, focusing on potential subsidies; and, daily recording of raven sightings.
- Biological monitoring of the Plant Site, Access Road improvements, drainage improvements, and herbicide application.
- Monthly Evaporation Pond Monitoring (BIO – 21).
- Biological surveys for drainage improvements.

Wildlife species observed and photos taken during these activities, if applicable, 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, drainage channels and evaporation ponds. The Linear Facilities include a transmission line, distribution line, natural gas pipeline, fiber line, and a main access road.

## **MONITORED MITIGATION MEASURES AND PERMIT CONDITIONS**

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

During March 2014, Project activities were in compliance with the COCs that apply to the construction activities.

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## SUMMARY OF ACTIVITIES

Weekly activities for the month consisted of:

- General Construction Monitoring
  - Monitored Plant Site – General site activities including Powerblock One and Two activation, laydown yard activities, and herbicide treatment (in accordance with the approved Pesticide Use Proposal (PUP)). All Plant Site construction activities occurred within the desert tortoise (DT) exclusion fencing. There was fox sign observed onsite including visual observations. Attempts to identify ingress and egress points for the fox are being made and there has been an emphasis made on gate closures. No other special status species sightings were observed on site during the month of March. Unit 1 mirror fields were monitored on an incidental basis as part of general site monitoring. Unit 1 and 2 mirror fields were surveyed for avian mortalities. 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 on site during monitoring. 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 March 2014. 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 (06:30 to 1900) paved access road speed limit is 45 MPH. The nighttime (19:01 to 06:29) speed limit is 25 MPH. A 1,000-foot, 24 hour 25 MPH zone established along the west end of the paved access road in the vicinity of active DKF dens is in effect. On all dirt roads there is a maximum speed limit of 25 MPH. No sensitive species were found during access road monitoring activities during the month of March.



- BMs monitored dust suppression activities and water activities that had the 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. There was ponding water in Powerblock 1, reported on March 10. The mitigation of the ponding water was completed on March 11. Following notification to agencies by the Genesis compliance team, water is at times 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. There were no water discharges into the HTF pit during the month of March.
- 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 reportable HTF leaks or contaminated soil were reported to the DB by management.
- 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. No bird mortalities associated with the evaporation ponds were discovered in March. Two carcasses from two prior bird mortalities (discussed in the September and October Monthly Compliance Reports associated with evaporation pond netting) were recovered in March. Holes in the netting were repaired and gaps at the bottom of the enclosure were sealed.
- 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 access to the site. Operations personnel were trained in tortoise exclusion fence inspection during the month of March.

- 
- Raven Monitoring
    - Monitors recorded incidental raven observations and activities during general construction monitoring.
    - Monthly point count surveys were conducted by Genesis operations staff. The results from the raven surveys are reported below. Per the Common Raven Monitoring, Management and Control Plan monthly raven counts will continue throughout the first five years of Project operation. After the first five years of Project operation, the monitoring program will be reviewed by the BLM, CDFW, and USFWS to determine if more frequent or less frequent monitoring is necessary. No raven nesting sites have been observed at the plant site or along linear corridors within the Project right of way. The ground beneath one known raven nest proximate to the transmission corridor has been inspected for desert tortoise remains, no desert tortoise remains have been observed. Potential subsidies (i.e., possible nesting, ponded water, roadkill) were monitored per the Raven Plan. Operations personnel received point count survey training and will be performing raven surveys from January 2014 forward.
  - Monitoring of ESAs
    - All construction activities, with the exception of temporary tortoise exclusion fence removal and herbicide application within the storm water channels around the perimeter of the Plant site, occurred within the Plant Site.
    - All biological ESAs are outside of the tortoise exclusionary fencing. ESAs along the access road are marked and appear to have been avoided.
  - 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. CDFW was notified of the end of DKF monitoring efforts by AECOM biologists and monitoring equipment was returned mid-March 2014.
    - One of the collared foxes was located via a mortality signal within a burrow 200m north of the access road and 1.5 miles east of the plant site. The carcass was recovered and sent to CDFW for necropsy. A necropsy summary indicated that the mortality cause was not able to be determined due to decay. The mortality does not appear Project related.

## **SURVEY METHODS AND RESULTS**

Pre-construction surveys have been completed and the GSEP site is in a limited construction and mostly operational 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. Temporary tortoise exclusion fence removal occurred outside the fence and required clearance surveys during the month of March. Clearance surveys were performed in anticipation of retention pond repair and drainage channel improvements. All Genesis contractor work outside the fence was monitored and areas cleared for sensitive biological resources prior to construction. 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, if applicable. 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 March 2014 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 37 incidental raven sightings during 20 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. No ravens were observed during the March monthly raven count surveys. No ravens were observed during the previous monthly raven count surveys.

One raven nest was detected outside of the plant site within the transmission line survey boundaries 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. It is approximately 10 miles east of the Plant Site. The nest is no longer active and no DT remains were found beneath the nest.

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<sup>1</sup>There were approximately 48 incidental raven sightings in February 2014. 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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### Nesting Bird Surveys

A nesting bird survey was conducted on March 13. Results are provided in Attachment 5.

### 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. The data is recorded in a database using the USFWS format and is provided separately to the USFWS. A summary of bird injuries and mortalities detected during this reporting period is provided below. More details are provided in the Avian Database Output and Photos in Attachment 4.

<b>Date</b>	<b>Species</b>	<b>Location</b>
3/18/14	Eurasion Collared Dove	Solar trough field
3/20/14	Lincoln's Sparrow	Water Treatment Building

### **WEED AND ESA MONITORING**

Necessary approvals are in place for treatment of invasive species with mechanical, manual, or chemical treatment methods. Any treatment conducted onsite will be conducted in accordance with the Weed Management Plan. Any herbicide application will be conducted in accordance with the approved PUP. If treatment with herbicides occurs onsite, a Pesticide Use Record (PAR) will be provided to the BLM within 24 hours of treatment.

Herbicide treatment was initiated within the perimeter storm water channels and onsite. BMs cleared the areas prior to treatment and monitored treatment activities as appropriate.

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

March 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.

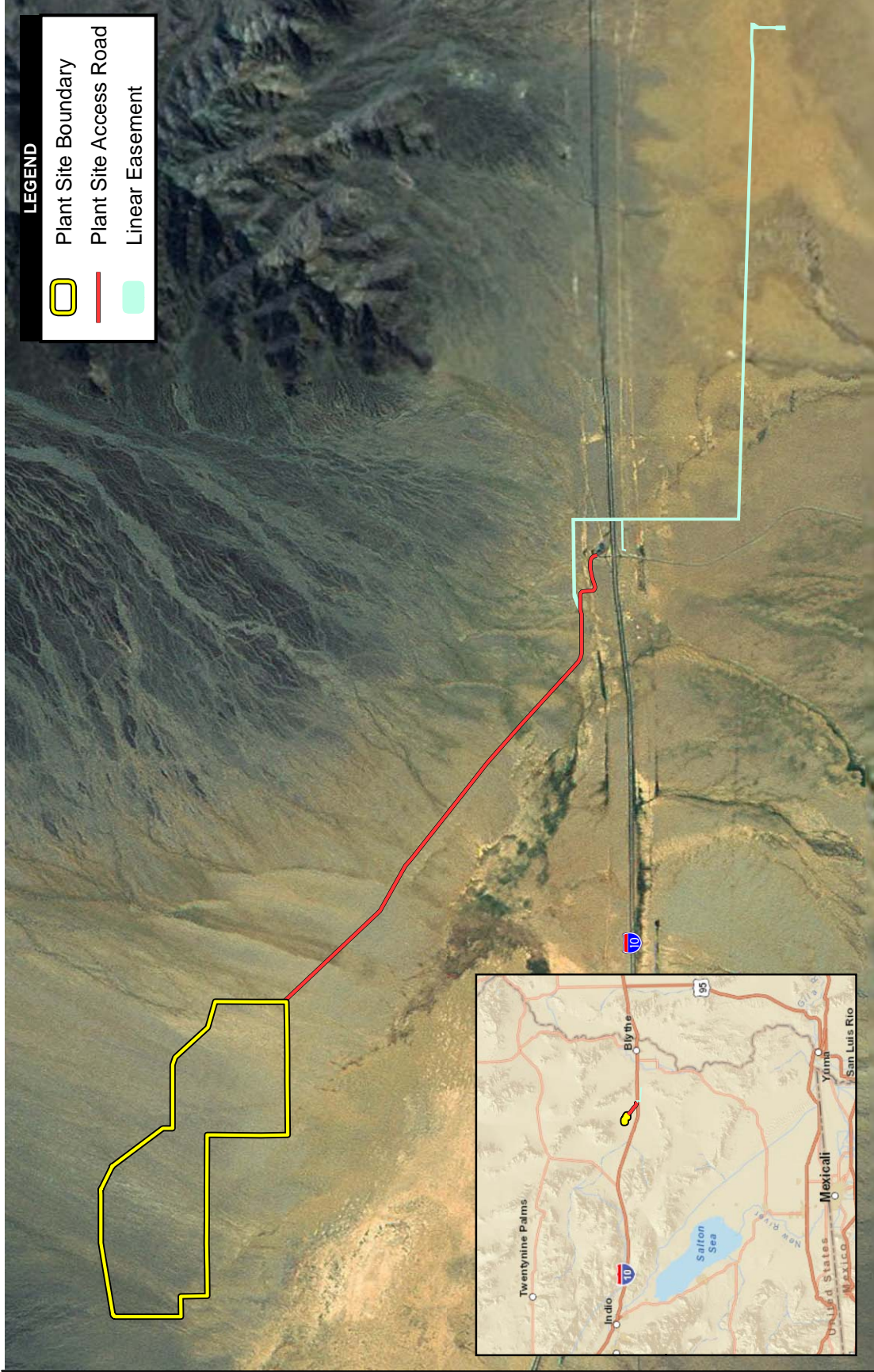


**ATTACHMENT 1**




**FIGURES**







**LEGEND**

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

**Genesis Solar Energy Project  
Vicinity Map**

Path: P:\2011\60220713\06GIS6.3\_Layout\Bio\MCR\2013\01 - January\Project Site 20130131.mxd, 2/1/2013, irelandm

Source: GSEP 2012; AECOM 2012; +cubed 2010; ESRI 2012

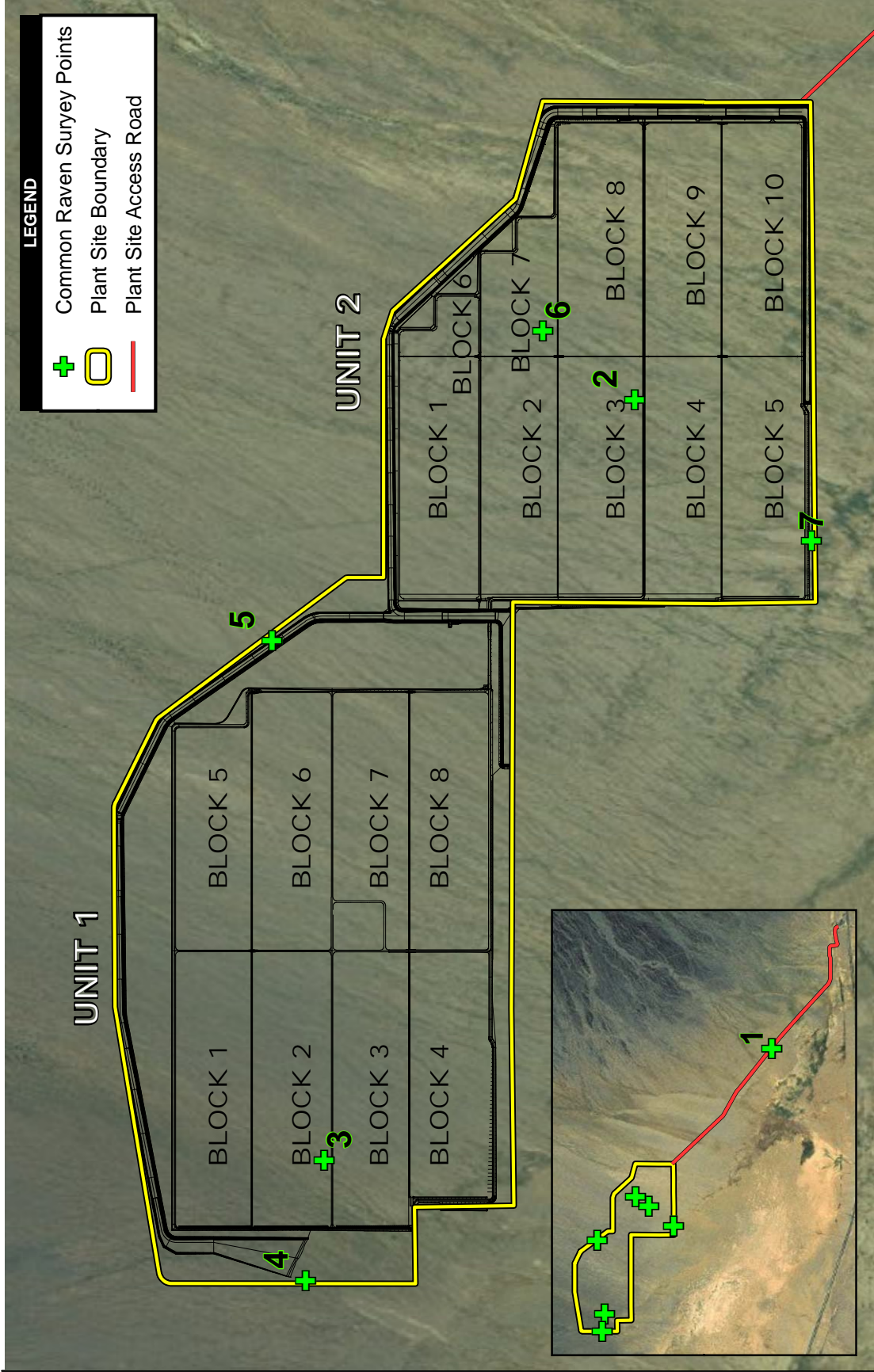
7,500 Feet






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



Genesis Solar Energy Project



**LEGEND**

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

**Common Raven  
Survey Points**

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

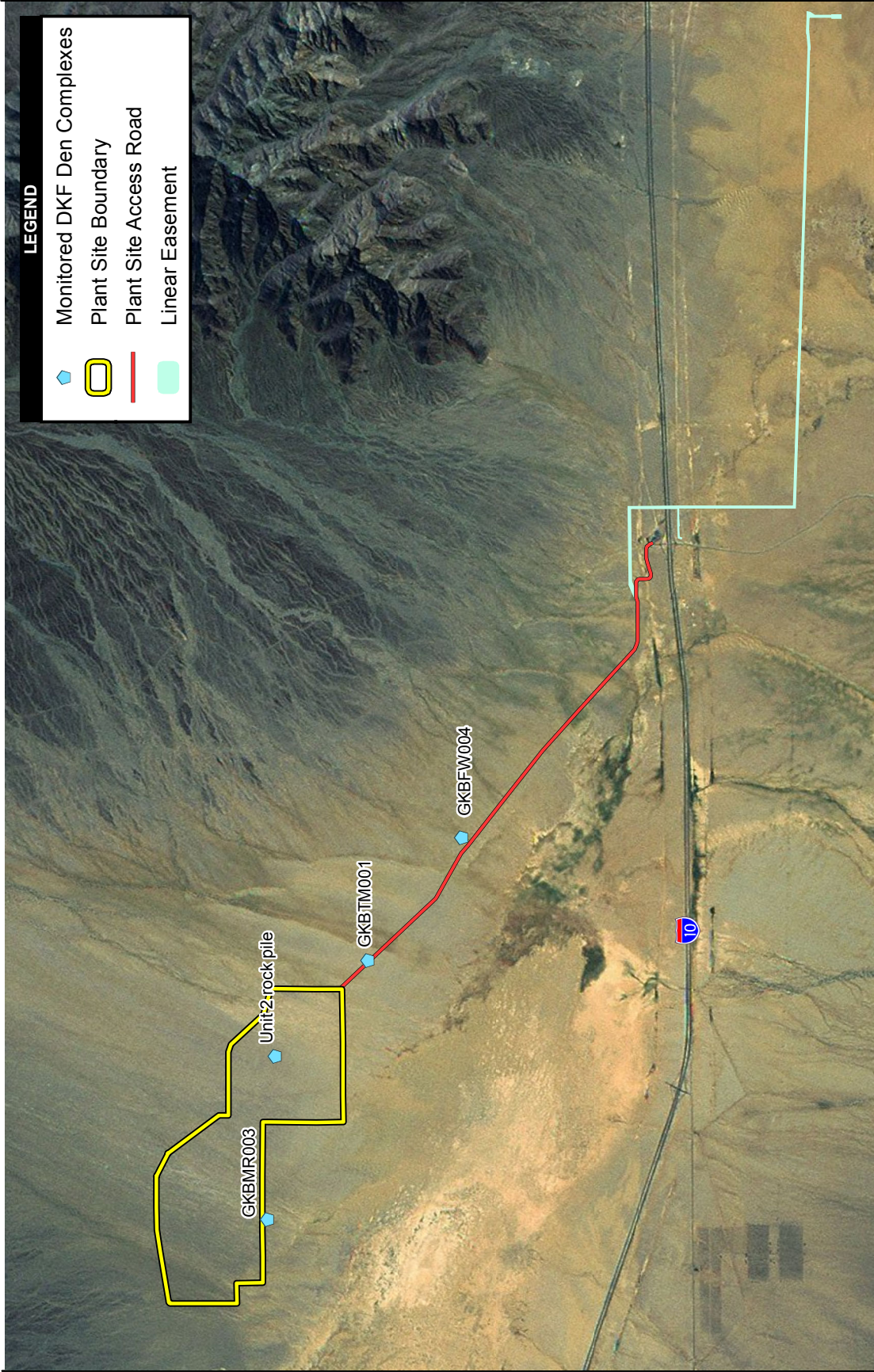


Scale: 1:24,000; 1 inch = 2,000 feet



Genesis Solar Energy Project





Source: GSEP 2013; AECOM 2013; Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

7,500 0 7,500 Feet



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



Genesis Solar Energy Project

## March 2014 DKF Den Complexes Monitored by Camera Stations and/or Periodic Biological Monitor Visits

Path: P:\2011\60220713\06GIS6.3\_Layout\Bio\MCR\2014\03 - March\DKF Camera Complexes 2014\0407.mxd, 4/7/2014, irelandm

**ATTACHMENT 2**

**SPECIES OBSERVED DURING MARCH  
SURVEYS AND MONITORING**



SPECIES OBSERVED DURING MARCH SURVEYS AND MONITORING

**Animals:**

Desert Kit Fox

**Birds:**

American Kestrel  
California Thrasher  
Common Raven  
Great-tailed Grackle  
Green-winged Teal  
Horned Lark  
Lincoln's Sparrow  
Loggerhead Shrike  
Mountain Bluebird  
Northern Harrier  
Prairie Falcon  
Red-tailed Hawk  
Ring-billed Gull  
Rock Wren  
Sage Sparrow  
Say's Phoebe  
Turkey Vulture  
Western Kingbird

**Reptiles:**

Banded Gecko  
Desert Iguana  
Mojave Fringe-toed Lizard  
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 3/3/2014

Monitor: David Charlton  
 Weather Conditions: Sunny, Clouds: 10%, Pcp: None  
 High Temp (°F): 77 Low Temp (°F): 58

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

### Sites Monitored

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

**Activity Log:**    7:00 survey road shoulder  
                       7:30 tailboard  
                       8:00 monitor grading north side of 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:**    Prairie falcon  
                                   Desert iguana

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/3/2014

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 20%, Pcp: None  
 High Temp (°F): 75 Low Temp (°F): 62

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

### Sites Monitored

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

**Activity Log:** 0700 meet bio and escort on site. 0715 survey north road shoulder. 0730 meet with shoulder crew discuss safety and plan of blading. Discussed inspecting ground beneath parked vehicles, litter, and activity limits. 0800 monitor road shoulder activities. Working from connex corner to the east. 1130 office. 1330 phone meeting re: one way excluders. 1430 investigate dkf mortality signal. Mortality signal at 690038 3723942. Beneath ground surface.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			North shoulder of access road.
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			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			Road shoulder
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.			X	DKF Mortality signal, Honey.
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 mobbing a rtha
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** CORA, Rtha

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/3/2014

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 10%, Pcp: None  
 High Temp (°F): 77 Low Temp (°F): 52

Start Time: 6:00:00 AM Stop Time: 4:36:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

## Sites Monitored

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

**Activity Log:** 0600-0615 checked in with vegetation management staff  
 0630-0650 checked evaporation ponds  
 0700-0730 flagged shrubs at connex corner  
 0730-1000 checked in with access road crew and surveyed north side of access road  
 1000-1200 walked unit 2 for DT fence inspection  
 1200-1400 conducted kit fox searches  
 1400-1630 worked on finding telemetry ping for kit fox mortality

## Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress 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			Areas cleared prior to application of herbicides
Any desert tortoise or other T&E species 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;  
 Sage sparrow  
 Kestrel  
 Blue bird  
 Desert kit fox  
 Loggerhead shrike  
 Prairie falcon  
 Turkey vulture

At 1351 received dead signal for desert kit fox, notified designated biologist



# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/4/2014

Monitor: Eric German  
 Weather Conditions: Partly Sunny, Clouds: 15%, Pcp: None  
 High Temp (°F): 74 Low Temp (°F): 52

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

## Sites Monitored

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

**Activity Log:** 0630 met bio and escorted on site. Inspect access road. 0700 meet botanist and engineer to discuss plan of day. 0730 salvage dkf mortality. Mortality did not appear project related. Mortality in burrow approximately 200 m North of access road structure 31. Remains sent to CDFW for necropsy. Discussed salvage previous day with CDFW, BLM representative and cultural monitors. 1145 office. 1400 meeting. 1445 inspect access road and confirm Wednesday activities.

## Monitor Checklist

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

**Additional Notes:** Desert kit fox observed on site in rip rap NW of unit 2

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/4/2014

Monitor: Ron Walker  
 Weather Conditions: Partly Sunny, Clouds: 75%, Pcp: None  
 High Temp (°F): 79 Low Temp (°F): 52

Start Time: 6:00:00 AM Stop Time: 3:07:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

## Sites Monitored

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

**Activity Log:** 0600-0800 cleared access road for road shoulder work  
 0800-0900 investigated wildlife mortality  
 0915-0935 conducted kit fox search  
 0945-1045 cleared access road, south side  
 1045-1100 checked evap ponds  
 1100-1120 checked rip rap in unit 2 for desert kit fox  
 1130- 1245 Cleared access road where restoration work is occurring  
 1245-1345 downloaded wildlife photos  
 1345-1500 checked GKBFW004 and removed wildlife camera and moved to unit 2 power block

## Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress 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;  
 Kestrel  
 Loggerhead shrike  
 Blue bird  
 Red tailed hawk  
 Sage sparrow

Desert kit fox observed inside power plant in unit 2 NW corner of power block, in rock pile

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/5/2014

Monitor: David Charlton  
 Weather Conditions: Partly Sunny, Clouds: 30%, Pcp: None  
 High Temp (°F): 87 Low Temp (°F): 50

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

## Sites Monitored

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

**Activity Log:** 6:30 tailgate  
 7:00 clear work area by walking  
 7:30 monitor grader until 3:00  
 Meet with Alice and Eric. Depart 3:30

## Monitor Checklist

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

**Additional Notes:** Desert iguana



# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/5/2014

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 10%, Pcp: None  
 High Temp (°F): 82 Low Temp (°F): 57

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

### Sites Monitored

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

**Activity Log:** 0630 safety and plan of day with bios. Clear equipment and work areas along access road. Monitor. 0830 inspect rip rap NW of pb2 for dkf sign and dkf. No dkf observed. 1000 meeting. 1100 inspect access road. Activities monitored. 1200 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		Reported uncovered garbage can to compliance.
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			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			Access road
Any desert tortoise or other T&E species 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 3/5/2014

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 20%, Pcp: None  
 High Temp (°F): 85 Low Temp (°F): 52

Start Time: 6:30:00 AM Stop Time: 3:15:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

## Sites Monitored

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

**Activity Log:** 0630-0730 cleared access road for road shoulder work  
 0730-1100 monitored access road shoulder work  
 1100-1300 collected wildlife camera cards and downloaded photos  
 1315-1330 checked evap ponds  
 1330-1400 checked unit 1 inside DT fence  
 1400-1533 monitored access road shoulder construction

## Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress 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;  
 Kestrel  
 Loggerhead shrike  
 Blue bird  
 Turkey vulture  
 Sage sparrow  
 Horned lark  
 Whiptail lizard  
 Banded gecko

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/6/2014

Monitor: David Charlton  
 Weather Conditions: Cloudy, Clouds: 80%, Pcp: None  
 High Temp (°F): 83 Low Temp (°F): 63

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

### Sites Monitored

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

**Activity Log:** 6:30 tailgate meeting  
 7:00 clear work zone by walking  
 7:30 monitor grader until 3:30  
 Met with Alice and Eric planning for tomorrow since Alice will be gone

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress 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	Being moved back
Topsoil segregation barriers maintained?			X	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 3/6/2014

Monitor: Eric German  
 Weather Conditions: Partly Sunny, Clouds: 20%, Pcp: None  
 High Temp (°F): 86 Low Temp (°F): 56

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

### Sites Monitored

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

**Activity Log:** 0630 meet with bios, discuss safety and plan of day. 0640 shuttle for clearance. 0700 meeting with contractor. 0800 inspect NW pb2 for onsite fox. No fox observed. 0815 office. 0930 fence walk unit 1, split with bio. 1130 report of desert tortoise crossing road at guard shack area. Investigated and walked transects until 1400. 1400 met with botanist and monitored access road revegetation activities. 1530 walk thru of Friday activities with botanist.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?		X		Noted windblown litter along inside of perimeter 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			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			Access road shoulders.
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.			X	Report of DT crossing access road. Form to be filed.
Tortoise exclusionary fence and/or ramps intact?	X			Walked east and north of unit 1. No findings.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Northern Harrier, Prairie falcon.

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/6/2014

Monitor: Ron Walker  
 Weather Conditions: Partly Sunny, Clouds: 80%, Pcp: None  
 High Temp (°F): 85 Low Temp (°F): 56

Start Time: 6:00:00 AM Stop Time: 4:04:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0600-0630 cleared access road  
 0630-0730 cleared access road for road shoulder work  
 0730-0933 monitored access road shoulder work  
 0933-1050 walked southern half of unit 1 for DT fence inspection  
 1100-1130 checked evap ponds  
 1215-1300 searched for DT by guard trailer  
 1400-1533 monitored access road shoulder construction  
 1541-1600 checked evap pond for 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:** Species observed;  
 Kestrel  
 Loggerhead shrike  
 Blue bird  
 Horned lark  
 Whiptail lizard  
 Side blotched lizard  
 Desert iguana  
 Says phoebe  
 Green winged teal  
 Red tailed hawk

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/7/2014

Monitor: David Charlton  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 86 Low Temp (°F): 62

Start Time: 6:30:00 AM Stop Time: 2:34:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 6:30 tailgate  
 7:00 clear work area  
 7:30 begin removing berm near pole 35.  
 9:00 begin ripping pole pads until 2:30

### Monitor Checklist

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

**Additional Notes:**    Prairie falcon

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/7/2014

Monitor: Eric German  
 Weather Conditions: Partly Sunny, Clouds: 20%, Pcp: None  
 High Temp (°F): 90 Low Temp (°F): 56

Start Time: 6:30:00 AM Stop Time: 2:15:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0630 safety and plan of day with bios. 0700 tailboard with contractor. 0715 discuss right of way with engineer and blm. 0800 clear saw cut areas at plant site entrance. No findings. 0815 inspect evaporation pond. Noted netting at gates not properly closed, informed compliance. 0845 office. 1000 inspect pole pads 57 thru 63. 1130 monitor pole pad ripping.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			Noted area where work is to be performed Monday stake/flagging is down and some is missing.
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress 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		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Zebra-tailed Lizard, Desert Iguana

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/7/2014

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

Start Time: 6:00:00 AM Stop Time: 2:39:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

## Sites Monitored

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

**Activity Log:** 0600-0630 cleared access road  
 0630-0730 cleared access road for road shoulder work  
 0730-1300 monitored access road shoulder work  
 1310-1400 inspected unit 2  
 1400-1439 monitored power pole restoration

## Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress 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;  
 Kestrel  
 Loggerhead shrike  
 Side blotched lizard  
 Desert iguana  
 Says phoebe  
 Red tailed hawk  
 Turkey vulture  
 Blue bird



## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/10/2014

Monitor: David Charlton  
 Weather Conditions: Sunny, Clouds: 10%, Pcp: None  
 High Temp (°F): 84 Low Temp (°F): 46

Start Time: 6:24:00 AM Stop Time: 3:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 6:30 clear work area near guard shack, remove Sahara mustard  
 7:00 tail gate  
 7:30 clear pole 56 57 for ripping  
 10:30 rip and move topsoil back to road shoulder  
 Tractor breaks down road base spread

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress 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:**    Side blotched lizard  
                                  Desert iguana

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/10/2014

Monitor: Eric German  
 Weather Conditions: Partly Sunny, Clouds: 10%, Pcp: None  
 High Temp (°F): 88 Low Temp (°F): 48

Start Time: 6:35:00 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:** 0630 meet with bios discuss safety and plan of day. 0700 morning tailboard with contractor. Then clear grader and backhoe. 0730 inspect access road. Remove 1 krat fatality. 0830 office. 1045 inspect evap ponds. Notify compliance that gaps reported Friday not repaired. 1130 inspect access road activities. Activities being monitored. 1330 inspect pb1 and evap ponds. Evap pond netting repaired. One gap remains reported to compliance. Standing water in pb1 compliance aware earlier in day. Water dripping at pb1 and standing water. Reported to compliance. Also reported leaking fire suppression nozzle north of pb1. 1500 determine following day activities. Crews working late today.

## Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress 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		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Great-tailed Grackle

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/10/2014

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 84 Low Temp (°F): 46

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

### Sites Monitored

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

**Activity Log:** 0600-0630 cleared access road  
 0630-0640 cleared access road for installation of fiber optic  
 0640-1240 monitored excavation of trench for fiber optic cable  
 1250-1330 searched for kit fox  
 1330-1700 monitored backfilling of fiber optic trench

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress 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;  
 Kestrel  
 Side blotched lizard  
 Desert iguana  
 Whiptail lizard  
 Red tailed hawk  
 Turkey vulture  
 Blue bird

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/11/2014

Monitor: David Charlton  
 Weather Conditions: Windy, Clouds: 10%, Pcp: None  
 High Temp (°F): 79 Low Temp (°F): 51

Start Time: 6:30:00 AM Stop Time: 2:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 6:30 meet with Eric and clear trench. Moved camera from Stripe's location to this location at guard shack which is partially buried  
 7:00 tailboard  
 7:30 clear worksite  
 8:00 monitor box grader ripping and pulling topsoil and ripping again  
 10:30 box spreader finished, I switch to grader  
 12:00 fill in trench knock down berm on south side between guard shack and Arizona crossing  
 Spread road base in shoulder  
 Until 1:30 survey for tortoise, 2:30 no tortoise observed

### Monitor Checklist

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

**Additional Notes:**    Side blotch lizard

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/11/2014

Monitor: Eric German  
 Weather Conditions: Windy, Clouds: 20%, Pcp: None  
 High Temp (°F): 72 Low Temp (°F): 50

Start Time: 6:30:00 AM Stop Time: 3:15:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0630 meet with bios and discuss safety and plan of day. 0700 tailboard with contractor. 0720 clear area at guard shack, inspect trench, clear equipment. No sensitive species found. 0930 survey of northwest drainage area. 1100 inspect unit 1 perimeter fence. 1300 inspect pb1 for standing water. Majority of water mitigated. Fire suppression nozzle still leaking. Reported findings to compliance. 1330 inspect access road, activities monitored. 1400 meeting. 1445 office. 1500 inspect access road, no mortality 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		Reported to compliance.
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	N/A
All crew on site displaying hard-hat decals from WEAP training?	X			N/A
Speed limit observed by all project personnel?	X			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			Walked unit 1 NE portion of permanent fence, no findings.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			2 flying
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Report of dkf with black tipped tail SE corner unit 1 below common area.  
 Whiptail lizard, side-blotched lizard.

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/11/2014

Monitor: Ron Walker  
 Weather Conditions: Cloudy, Clouds: 95%, Pcp: None  
 High Temp (°F): 81 Low Temp (°F): 46

Start Time: 6:00:00 AM Stop Time: 2:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0600-0630 cleared access road  
 0630-0830 walked unit 2 DT fence inspection  
 0900-0930 checked evap ponds  
 0945-1230 conducted wildlife surveys outside NW corner of unit 1  
 1230-1315 monitored access road shoulder construction and restoration  
 1325-1400 conducted kit fox searches

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress 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 flying along access road
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Species observed;  
 Kestrel  
 Side blotched lizard  
 Desert iguana  
 Whiptail lizard  
 Red tailed hawk  
 Ring billed gull  
 Sidewinder  
 Loggerhead shrike  
 Sage sparrow  
 California thrasher  
 Great tailed grackle

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/12/2014

Monitor: David Charlton  
 Weather Conditions: Windy, Clouds: 0%, Pcp: None  
 High Temp (°F): 71 Low Temp (°F): 60

Start Time: 6:32:00 AM Stop Time: 3:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 6:30 clear work area by walking near guard shack  
 7:00 attend tailboard  
 7:30-8:30 monitor box scraper  
 8:45-9:45 pull weeds while waiting for crew to trench across road at entrance to plant  
 10:00 drive access road, no wildlife  
 10:15 crew shows up and begins drilling concrete  
 3:00 crew cleaning up

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress 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:**    rock wren  
                               Side blotch lizard  
                               Desert iguana

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/12/2014

Monitor: Eric German  
 Weather Conditions: Windy, Clouds: 20%, Pcp: None  
 High Temp (°F): 75 Low Temp (°F): 57

Start Time: 7:45:00 AM Stop Time: 1:15:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0745 inspect access road. No mortality findings. 0845 inspect evap ponds and discuss items of repair maintenance. Gate closure, hole in north evap pond, gaps. 1000 meeting. 1045 office. 1245 inspect access road. 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		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 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			3
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 3/12/2014

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 78 Low Temp (°F): 52

Start Time: 6:00:00 AM Stop Time: 2:41:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0600-0630 cleared access road  
 0700-0715 tailboard safety meeting  
 0715-0837 walked access road ahead of restoration group  
 0845-1015 walked half of unit 1 DT fence inspection  
 1015-1045 monitored access road restoration crew  
 1045-1115 retrieved wildlife camera cards  
 1115-1200 checked evap ponds  
 1200-1350 drove inside unit 1 for DT fence inspection  
 1410-1440 monitored excavation for security guard gates on 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:** Species observed;  
 Kestrel  
 Whiptail lizard  
 Loggerhead shrike  
 Northern harrier  
 Zebra tail lizard

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/13/2014

Monitor: David Charlton  
 Weather Conditions: Cloudy, Clouds: 95%, Pcp: None  
 High Temp (°F): 83 Low Temp (°F): 59

Start Time: 6:45:00 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:** 7:00 tailboard  
 7:30 clear work area for box scraper  
 Drive road, no wildlife  
 8:30 check on gate crew, no work yet  
 9:00 monitor grader at Arizona crossing until 11:00, spot check plant gate installation crew  
 Monitor grader until 1:30, spot check gate again, grader wheel rolling new berm  
 2:00-3:30 monitor gate construction crew at plant entrance, trench filled in at end of day

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	Topsoil no longer segregated put back
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 flying
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:**    Prairie falcon  
                                  Side blotch  
                                  Rock wren

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/13/2014

Monitor: Eric German  
 Weather Conditions: Partly Sunny, Clouds: 20%, Pcp: None  
 High Temp (°F): 75 Low Temp (°F): 57

Start Time: 6:30:00 AM Stop Time: 12:15:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0630 meet with bio discuss safety and plan of day. 0700 tailboard with contractor. 0715 clear equipment along access road, clear gate construction areas and inspect access road. No mortalities found or sensitive species found. 0800 inspect boneyard, NW corner unit 1 inside fence prior to laydown material removal. Bees located within wire reel when crews moved. Notified compliance and left reel in place. Beekeeper to arrive Monday if still necessary. 0930 nesting bird surveys NW of unit 1 off for upcoming drainage work. 1130 inspect access road. Discuss Friday 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		Will 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		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Sage sparrow, say's phoebe, northern harrier.

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/13/2014

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 78 Low Temp (°F): 52

Start Time: 6:00:00 AM Stop Time: 7:00:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0600-0630 cleared access road  
 0654-0854 conducted monthly evaporation pond monitoring  
 0910-1100 conducted avian surveys outside DT fence of NW corner Unit 1  
 1100-1200 conducted monthly evaporation pond monitoring  
 1630-1845 conducted monthly evaporation pond monitoring

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress and egress?	X			N/A
Access road signs in place?	X			N/A
Trash and debris contained and disposed of in proper manner?	X			N/A
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	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			Six ravens flying over common area by trailers
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Species observed;  
 Kestrel  
 Whiptail lizard  
 Loggerhead shrike  
 Northern harrier  
 Zebra tail lizard  
 Sage sparrow  
 Prairie falcon

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/14/2014

Monitor: David Charlton  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 85 Low Temp (°F): 56

Start Time: 6:45:00 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:** 7:00 tailboard  
 7:30 begin ripping at Arizona crossing  
 9:30 finish ripping laydown area  
 10:15 spot check plant gate, they left an open trench  
 Drive access road, monitor crew, monitor trenching road at guard shack

## Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress 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		Nextera crew removing old guard shack without ppe
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:**    Vinagaroon

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/14/2014

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 78 Low Temp (°F): 55

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

### Sites Monitored

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

**Activity Log:** 0600-0630 cleared access road  
 0700-0710 safety tailboard meeting at equipment laydown area  
 0715- 1410 Monitored restoration work and security gate installation and excavation

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress 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			Six ravens flying over common area by trailers
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Species observed;  
 Kestrel  
 Loggerhead shrike  
 Red tailed hawk  
 Rock wren  
 Turkey vulture

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/17/2014

Monitor: Eric German  
 Weather Conditions: Partly Sunny, Clouds: 15%, Pcp: None  
 High Temp (°F): 92 Low Temp (°F): 52

Start Time: 6:45:00 AM Stop Time: 3:15:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0645 met with bio, discussed safety and plan of day. 0700 tailboard with contractor. 0730 clear work areas for security gate install of. 0800 clear laydown northwest unit 1. Bees in two reels, notified compliance. 0930 walk unit 1 east and north fence. Noted one hole caused by forklift. Reported to compliance. 1100 inspect unit 2 block 5 NW corner for owl sign. No owl sign noted. Small kit fox with black tip tail seen in location. Left in place. 1130 escort beekeeper to bees. Locations dismantled (reels) hives in each. Beekeeper to return to pick up bees. 1230 escort beekeeper to pb2 for another report of bees. 1245 inspect evaporation ponds for gaps. Painted locations and holes in netting indicators. Holes in north and south pond top of netting and in south pond gate. 1400 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			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		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** DKF unit 2 NW block 5 onsite. Has black tipped tail.

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/17/2014

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 91 Low Temp (°F): 57

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  
 0700-0710 safety tailboard meeting at vehicle turn around area  
 0730-0815 checked evap ponds  
 0815-0830 checked laydown area wire spools for bees  
 0830-0942 walked south half of unit 1 for DT fence inspection  
 1000-1202-Monitored security gate installation and excavation outside desert tortoise fence  
 1230-1300 collected wildlife cameras from GKBTM001, downloaded data  
 1300-1530 monitored security gate construction outside of DT fence protection

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress 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 concrete power poles along access road
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Species observed;  
 Kestrel  
 Loggerhead shrike  
 Red tailed hawk  
 Rock wren  
 Raven  
 Great tailed grackle  
 Turkey vulture  
 Prairie falcon  
 Whiptail lizard



# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/18/2014

Monitor: Eric German  
 Weather Conditions: Windy, Clouds: 10%, Pcp: None  
 High Temp (°F): 75 Low Temp (°F): 62

Start Time: 6:45:00 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:** 0645 meet with bio, discuss safety and plan of day. 0700 tailboard with contractor. 0745 clear boneyard northwest corner unit 1. Some residual bees. Bee swarms gone. 0900 inspect evaporation pond with project personnel, showed locations of gaps and holes in nets. 1030 notified of bird mortality. Salvaged Eurasian collared dove and contacted USFWS LE (1115). 1130 placed bird in freezer. Freezer was noted to be warm. Plugged freezer in. 1200 met with CDFW and returned telemetry equipment. Showed possible ingress/egress points being used by foxes. 1315 office. 1400 meeting. 1430 survey detention basin SW unit 1 outside fence. 1815 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		Large amount of wind blown trash most fences.
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	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 flying: 1 seen with nesting material.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Northern Harrier, whiptail, side-blotched lizard, rock wren.

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/18/2014

Monitor: Ron Walker  
 Weather Conditions: Windy, Clouds: 10%, Pcp: None  
 High Temp (°F): 80 Low Temp (°F): 52

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

### Sites Monitored

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

**Activity Log:** 0600-0630 cleared access road  
 0700-0710 safety tailboard meeting at vehicle turn around area  
 0730-0815 checked evap ponds  
 0815-0945 monitored security gate construction outside DT fence  
 1000-1035 pulled wildlife camera from GKBMR003  
 1100-1530 monitored security gate construction outside of DT fence protection  
 1530-1800 conducted wildlife surveys SW corner of 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			One raven flying over security guard trailer
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Species observed;  
 Kestrel  
 Loggerhead shrike  
 Red tailed hawk  
 Raven  
 Fringe toed lizard  
 Sidewinder

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/19/2014

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 82 Low Temp (°F): 52

Start Time: 6:30:00 AM Stop Time: 3:45:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0630 clear trenching activities by guard shack. Noted water leaking from water truck. Notified contractor. 0700 tailboard with contractor and safety. Clear area by main gate. 0800 inspect evaporation pond. No new findings. Repairs not completed. 0830 walk thru of detention pond for upcoming activities. Discussed boundaries and resources in area. Inspected area. 1000 meeting. 1100 delineation of detention pond disturbance area. 1200 inspect access road. No findings. 1230 office. 1400 escort construction crew to detention basin. Orient crews and transitional tailboard. 1530 returned site badge.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress 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: flying. One with nesting material. Could not follow.
All ESAs and other bio-related exclusion areas marked and avoided?			X	N/A

**Additional Notes:** DKF sighting onsite. Unit 2. NW block 5 seen at pipe openings. Left alone.

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/19/2014

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 82 Low Temp (°F): 50

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

### Sites Monitored

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

**Activity Log:** 0530-0600 cleared access road  
 0625-0750 checked wildlife burrows in SW corner of unit 1 outside DT fence  
 0800-0945 walked unit 2 perimeter for DT fence inspection  
 0955-1400 monitored security gate construction outside DT fence  
 1400-1530 monitored retention pond restoration on west side unit 1 outside 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 on ground at SW corner of unit 1
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Species observed;  
 Kestrel  
 Loggerhead shrike  
 Raven  
 Fringe toed lizard  
 Rock wren  
 Red tailed hawk  
 Turkey vulture

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/20/2014

Monitor: Eric German  
 Weather Conditions: Cloudy, Clouds: 35%, Pcp: None  
 High Temp (°F): 82 Low Temp (°F): 48

Start Time: 6:30:00 AM Stop Time: 2:45:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0630 and throughout day, inspect access road. No mortality findings. 0645 safety with monitors. 0700 tailboard with contractor. 0715 inspect NW corner unit 1 of with contractor. Noted Htf smell in area. 0815 report of injured bird in water treatment building. Lincoln's Sparrow bird stuck on rat stick paper. Crickets on paper too. 0830 collect bird and bring to rehabilitation center. 1030 inspect evaporation pond and flag additional areas for repair. Salvage birds from on top of north and south pond netting. 1330 office. 1430 return badge to operations.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress 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 at access road
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** N/A

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/20/2014

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 83 Low Temp (°F): 52

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:** 0600-0630 cleared access road  
 0700-0715 safety tailboard meeting  
 0730-0745 checked evap ponds  
 0745-1530 monitored retention pond restoration on west side unit 1 outside DT fence  
 1530-1630 evap pond netting check

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress 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;  
 Kestrel  
 Loggerhead shrike  
 Fringe toed lizard  
 Rock wren  
 Red tailed hawk  
 Turkey vulture  
 Zebra tailed lizard

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/21/2014

Monitor: Eric German  
 Weather Conditions: Partly Sunny, Clouds: 15%, Pcp: None  
 High Temp (°F): 82 Low Temp (°F): 48

Start Time: 6:30:00 AM Stop Time: 1:45:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

## Sites Monitored

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

**Activity Log:** 0700 tailboard with contractor. 0715 sign in. 0745 inspect NW corner. 0830 office. 0930 fence inspection with operations. Discussed litter, fox digs, fence holes and tortoise grate maintenance. 1045 htf leak identified NW corner unit 2 h/g row 62 end ball joint. NextEra notified. 1100 inspect evaporation ponds. Repairs completed, netting holes repaired and gaps at bottom of netting filled in. 1230 inspect NW corner activities. 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		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		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		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 3/21/2014

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 82 Low Temp (°F): 48

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  
 0630-0700 checked evap pond  
 0700-0715 safety tailboard meeting  
 0715-1200 monitored retention pond restoration on west side unit 1 outside DT fence  
 1200-1300 collected wildlife camera card in unit 2 rip rap  
 1300-1530 monitored trench excavation outside NW corner unit 1 and cement pour for slurry wall

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress 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;  
 Kestrel  
 Loggerhead shrike  
 Say's phoebe  
 Red tailed hawk  
 Turkey vulture  
 Whiptail lizard  
 Sage sparrow



## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/24/2014

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 85 Low Temp (°F): 55

Start Time: 6:30:00 AM Stop Time: 3:15:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0630 and throughout day, inspect access road. 0700 tailboard with contractor, safety and plan of day. 0800 inspect unit 2 permanent tortoise exclusion fence. Fence intact. 1100 inspect NW corner activities. Activities monitored and inside fence. 1145 office. Closing down office. Packing and cleaning. 1515 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			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			Unit 2 perimeter tortoise fence inspected. Intact.
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			2 perched
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 3/24/2014

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 10%, Pcp: None  
 High Temp (°F): 90 Low Temp (°F): 50

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  
 0630-0700 checked evap ponds  
 0700-0715 safety tailboard meeting  
 0730-1200 monitored trench excavation inside NW corner unit 1 and cement pour for slurry wall  
 1200-1330 checked CRS pole line for bird nests, none were found, the metal power poles on the south side of access road had 4 nest sites:  
 Pole 107 red tailed hawk  
 Pole 97 red tailed hawk  
 Pole 93 red tailed hawk  
 Pole 103 Raven  
 Pole numbers are on concrete poles adjacent to metal power towers  
 1330-1430 packed up equipment in office, downloaded monthly photos  
 1430-1530 monitored removal of asphalt at guard shack

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress 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;  
 Kestrel  
 Loggerhead shrike  
 Says phoebe  
 Red tailed hawk  
 Turkey vulture  
 Whiptail lizard  
 Sage sparrow  
 Desert iguana

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/25/2014

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 92 Low Temp (°F): 55

Start Time: 6:30:00 AM Stop Time: 3:15:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0630 and throughout day, inspect access road. 0745 tailboard and safety with contractor. 0900 inspect area of gate install at east end of access road. Noted shoveled hole in vicinity. Talked to crews and construction manager regarding any digging activities. Notified cultural. No biological resources impacted. 1000 inspect NW corner concrete pour. Activities within fence. 1100 office. 1300 inspect north unit 1, no findings. 1330 discuss wildlife freezer placement with operations personnel. 1400 meeting and dismantle 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		Discussed with management. Clean up to be scheduled.
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	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		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 3/25/2014

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

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  
 0630-0700 checked evap ponds  
 0700-0715 safety tailboard meeting  
 0730-1200 monitored trench excavation inside NW corner unit 1 and cement pour for slurry wall  
 1200-1300 downloaded wildlife camera card Unit 2  
 1300-1425 monitored slurry wall construction

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress 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;  
 Kestrel  
 Loggerhead shrike  
 Say's phoebe  
 Turkey vulture

## Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/26/2014

Monitor: Eric German  
 Weather Conditions: Windy, Clouds: 0%, Pcp: None  
 High Temp (°F): 78 Low Temp (°F): 66

Start Time: 6:30:00 AM Stop Time: 2:15:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0630 inspect access road, no findings. 0700 safety and then tailboard with contractor. 0830 office. Pack up office. Move USFWS freezer to location north of assembly building. 1415 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		Discussed with management.
Topsoil segregated properly?			X	N/A
Topsoil segregation barriers maintained?			X	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	No earthmoving activities. All activities on pavement or inside plant site.
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			N/A
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.	X			1 flying.
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** N/A

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/26/2014

Monitor: Ron Walker  
 Weather Conditions: Partly Sunny, Clouds: 65%, Pcp: None  
 High Temp (°F): 79 Low Temp (°F): 53

Start Time: 6:00:00 AM Stop Time: 2:30:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

## Sites Monitored

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

**Activity Log:** 0600-0630 cleared access road  
 0630-0700 checked evap ponds  
 0700-0715 safety tailboard meeting  
 0830-1045 walked perimeter fence of unit 1  
 1100-1130 filled in wildlife burrow off of access road to plant site  
 1200-1240 moved wildlife camera from unit 2 power block area to unit 2 drainage pipes block 5  
 1240-1310 checked evap pond netting  
 1330-1430 monitored unit one and unit 2 for trash debris and fence integrity

## Monitor Checklist

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

**Additional Notes:** Species observed;  
 Kestrel  
 Western king bird  
 Red tailed hawk  
 Turkey vulture

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/27/2014

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 5%, Pcp: None  
 High Temp (°F): 79 Low Temp (°F): 50

Start Time: 6:00:00 AM Stop Time: 2:23:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0600-1030 drove rental car to Palm Springs, returned to Blythe  
 1030-1200 inspected unit 1 and unit 2  
 1426-1800 returned to office with field and computer equipment

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress 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;  
 Kestrel  
 Red tailed hawk  
 Turkey vulture  
 Loggerhead shrike

# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/31/2014

Monitor: Eric German  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 79 Low Temp (°F): 52

Start Time: 7:45:00 AM Stop Time: 12:15:00 PM  
 Attachments: \_\_\_\_\_  
 Photographs: \_\_\_\_\_

### Sites Monitored

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

**Activity Log:** 0745 inspect access road. No mortality findings. 0845 noted leak at coupling p1. Reported to compliance. 0900 clear NW of. No findings. 1030 walk north and east side unit fence intact. 1145 inspect evap ponds, no findings. 1200 sign out with ops.

### Monitor Checklist

General	Yes	No	N/A	Comments Attach Supplemental Report if needed
Workspace limits verified and properly marked?	X			N/A
All activities within approved workspace limits?	X			N/A
Only approved access roads utilized for ingress 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			OTF NW corner unit 1
Any desert tortoise or other T&E species encountered? If so, note species in comments and attach wildlife incident data form.		X		N/A
Tortoise exclusionary fence and/or ramps intact?	X			Walked north and east unit 1 perimeter fence. Intact
Any nesting birds observed? Note species (if known) and location.		X		N/A
Common Ravens Present? If yes, note number and activity.		X		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Desert Iguana



# Genesis Solar Energy Project

Biological Monitor (BM) Daily Report

Date 3/31/2014

Monitor: Ron Walker  
 Weather Conditions: Sunny, Clouds: 0%, Pcp: None  
 High Temp (°F): 82 Low Temp (°F): 54

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:** 0600-0640 cleared access road  
 0640-0700 checked evap ponds  
 0700-0800 safety tailboard meeting with contractor  
 0800-1530 monitored excavation work outside NW corner of unit 1, outside 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		N/A
All ESAs and other bio-related exclusion areas marked and avoided?	X			N/A

**Additional Notes:** Species observed;  
 Kestrel  
 Red tailed hawk  
 Loggerhead shrike  
 Great tailed grackle  
 Zebra tailed lizard  
 Says phoebe  
 Whiptail lizard

**ATTACHMENT 4**

**SURVEY DATA FORMS**



## **Evaporation Pond Monitoring Form**

**GENESIS SOLAR ENERGY PROJECT**  
**MONTHLY EVAPORATION POND MONITORING (BIO-21)**

Date	3-13-14	Biomonitor	RON WALKER
Sunrise Time	6:54 AM	Sunset Time	6:44 PM

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

**DAWN SURVEY (two hours after sunrise)**

Start Time	End Time
6:54 AM	8:54 AM

1. Netted ponds effective in excluding birds?  Yes  No

Comments for #1: Nets are keeping birds out, 1 mallard observed @ 0710 sitting on top of net.

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

Comments for #2: Yes nets pose hazard to diving birds such as grebes, mergansers, loons

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

Comments for #3: In NW corner of the north pond there are several holes in net, holes 8-9" in width

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

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

also 8" hole in top of SE CORNER of south pond

Comments for #4: Two dead grebes on top of netting, birds previously reported over last 3-4 months

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

Start Time	End Time
11:15 AM	12:37 PM

1. Netted ponds effective in excluding birds?  Yes  No

Comments for #1: see comment #1 answer above no birds observed during midday survey

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: See comment for #4 above

**DUSK SURVEY (two hours preceding sunset)**

Start Time	End Time
4:44 PM	6:44 PM

1. Netted ponds effective in excluding birds?  Yes  No

Comments for #1: see comment for #1 above

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: see comment for #4 above

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

Genesis Solar Energy Project  
Eastern Riverside County, California

Common Raven Fixed Point Observation Data Sheet

Date (month/day) 3/20/14 Observer (initials) CM Start Time 1645 End Time 1705 Obs Pt. 1

Visibility: Clear or Min \_\_\_\_\_ Max \_\_\_\_\_ (m) Page \_\_\_\_\_ of \_\_\_\_\_

Wind Direction from (circle one) Calm N NE E SE S SW W NW Variable  Speed: Low \_\_\_\_\_ High \_\_\_\_\_ (km/h)

Precipitation (circle one): none light rain rain snow sleet hail fog other Temp: 87 (°F) Cloud Cover: 80 %

Obs #	Time	Sex	Age	# of birds	Activity (circle 1st, X others)		Flight Dir (to)	Horizontal Distance (m)		Habitat Type/ Perch Structure	Aud?	Vis?	Notes
					WA	PE		1st	closest				
1					WA	PE							No CORA observed
					FL	OT							
2					WA	PE							
					FL	OT							
3					WA	PE							
					FL	OT							
4					WA	PE							
					FL	OT							
5					WA	PE							
					FL	OT							
6					WA	PE							
					FL	OT							
7					WA	PE							
					FL	OT							
8					WA	PE							
					FL	OT							
9					WA	PE							
					FL	OT							
10					WA	PE							
					FL	OT							
11					WA	PE							
					FL	OT							
12					WA	PE							
					FL	OT							

Activity Codes: WA-walking on ground, PE-perched above ground, FL-flying, OT-other (please specify)

Habitat Codes: CBS-Creosote Bush Scrub, SD/SS-Sand Dunes/Sand Sheels, DP-Desert Pavement, OT-other (please specify, provide details of Project structure/facility)

OBS. # (Time)	ADDITIONAL NOTES

Genesis Solar Energy Project  
Eastern Riverside County, California

Common Raven Fixed Point Observation Data Sheet

Date (mm/dd/yyyy) 3/20/14 Observer (init.) DP/CM Start Time 1308 End Time 1321 Obs Pt. 2

Visibility: Clear or Min \_\_\_\_\_ Max \_\_\_\_\_ (m) Page \_\_\_\_\_ of \_\_\_\_\_

Wind Direction from (circle one) Calm N NE E SE S SW W NW Variable Ø Speed: Low \_\_\_\_\_ High \_\_\_\_\_ (km/h)

Precipitation (circle one): none light rain rain snow sleet hail fog other Temp: 87 (°F) Cloud Cover: 80 %

Obs #	Time	Sex	Age	# of birds	Activity (circle 1st, X others)		Flight Dir (to)	Horizontal Distance (m)		Habitat Type/ Perch Structure	Aud?	Vis?	Notes
					WA	PE		1st	closest				
1					WA	PE							no CORA observed
					FL	OT							
2					WA	PE							
					FL	OT							
3					WA	PE							
					FL	OT							
4					WA	PE							
					FL	OT							
5					WA	PE							
					FL	OT							
6					WA	PE							
					FL	OT							
7					WA	PE							
					FL	OT							
8					WA	PE							
					FL	OT							
9					WA	PE							
					FL	OT							
10					WA	PE							
					FL	OT							
11					WA	PE							
					FL	OT							
12					WA	PE							
					FL	OT							

Activity Codes: WA-walking on ground, PE-perched above ground, FL-flying, OT-other (please specify)  
Habitat Codes: CBS-Creosote Bush Scrub, SD/SS-Sand Dunes/Sand Sheets, DP-Desert Pavement, OT-other (please specify, provide details of Project structure/facility)

OBS. # (Time)	ADDITIONAL NOTES



Genesis Solar Energy Project  
Eastern Riverside County, California

Common Raven Fixed Point Observation Data Sheet

Date (mm/dd/yy) 3/20/14 Observer (init.) DP/CM Start Time 0849 End Time 0903 Obs Pt 3

Visibility: (Clear) or Min \_\_\_\_\_ Max \_\_\_\_\_ (m) Page \_\_\_\_\_ of \_\_\_\_\_

Wind Direction from (circle one) Calm  NE  E  SE  S  SW  W  NW Variable   Speed: Low \_\_\_\_\_ High \_\_\_\_\_ (km/h)

Precipitation (circle one): (none)  light rain  rain  snow  sleet  hail  fog other \_\_\_\_\_ Temp: 56.0 (°F) Cloud Cover: 50 %

Obs #	Time	Sex	Age	# of birds	Activity (circle 1st, X others)		Flight Dir (to)	Horizontal Distance (m)		Habitat Type/ Perch Structure	Aud?	Vis?	Notes
					WA	PE		1st	closest				
1					WA	PE							No CORA observed.
					FL	OT							
2					WA	PE							
					FL	OT							
3					WA	PE							
					FL	OT							
4					WA	PE							
					FL	OT							
5					WA	PE							
					FL	OT							
6					WA	PE							
					FL	OT							
7					WA	PE							
					FL	OT							
8					WA	PE							
					FL	OT							
9					WA	PE							
					FL	OT							
10					WA	PE							
					FL	OT							
11					WA	PE							
					FL	OT							
12					WA	PE							
					FL	OT							

Activity Codes: WA-walking on ground, PE-perched above ground, FL-flying, OT-other (please specify)  
Habitat Codes: CBS-Creosote Bush Scrub, SD/SS-Sand Dunes/Sand Sheets, DP-Desert Pavement, OT-other (please specify, provide details of Project structure/facility)

OBS. # (Time)	ADDITIONAL NOTES

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

**Common Raven Fixed Point Observation Data Sheet**

Date (month/day) 3/20/14 Observer (init.) DP/CM Start Time 0923 End Time 0943 Obs # 4

Visibility: Clear or Min \_\_\_\_\_ Max \_\_\_\_\_ (m) Page \_\_\_\_\_ of \_\_\_\_\_

Wind Direction from (circle one): Calm N NE E SE S SW W NW Variable  Speed: Low \_\_\_\_\_ High \_\_\_\_\_ (km/h)

Precipitation (circle one): none light rain rain snow sleet hail fog other Temp: 54 (°F) Cloud Cover: 50 %

Obs #	Time	Sex	Age	# of birds	Activity (circle 1 <sup>st</sup> , X others)		Flight Dir (to)	Horizontal Distance (m)		Habitat Type/ Perch Structure	Aud?	Vis?	Notes
					WA	PE		1 <sup>st</sup>	closest				
1					WA	PE							No CORA Observed
					FL	OT							
2					WA	PE							
					FL	OT							
3					WA	PE							
					FL	OT							
4					WA	PE							
					FL	OT							
5					WA	PE							
					FL	OT							
6					WA	PE							
					FL	OT							
7					WA	PE							
					FL	OT							
8					WA	PE							
					FL	OT							
9					WA	PE							
					FL	OT							
10					WA	PE							
					FL	OT							
11					WA	PE							
					FL	OT							
12					WA	PE							
					FL	OT							

Activity Codes: WA-walking on ground, PE-perched above ground, FL-flying, OT-other (please specify)

Habitat Codes: CBS-Creosote Bush Scrub, SD/SS-Sand Dunes/Sand Sheets, DP-Desert Pavement, OT-other (please specify, provide details of Project structure/facility)

OBS. # (Time)	ADDITIONAL NOTES

Genesis Solar Energy Project  
Eastern Riverside County, California

Common Raven Fixed Point Observation Data Sheet

Date (mm/dd/yy) 3/20/14 Observer (init.) DP/CM Start Time 1014 End Time 1033 Obs Pt. 5

Visibility: Clear or Min Max (m) Page    of   

Wind Direction from (circle one) (Calm) N NE E SE (S) SW W NW Variable 2mph Speed: Low High (km/h)

Precipitation (circle one): (none) light rain rain snow sleet hail fog other Temp: 72 (°F) Cloud Cover: 50 %

Obs #	Time	Sex	Age	# of birds	Activity (circle 1st, X others)		Flight Dir (to)	Horizontal Distance (m)		Habitat Type/ Perch Structure	Aud?	Vis?	Notes
					WA	PE		1st	closest				
1					WA	PE							No CORA observed.
					FL	OT							
2					WA	PE							
					FL	OT							
3					WA	PE							
					FL	OT							
4					WA	PE							
					FL	OT							
5					WA	PE							
					FL	OT							
6					WA	PE							
					FL	OT							
7					WA	PE							
					FL	OT							
8					WA	PE							
					FL	OT							
9					WA	PE							
					FL	OT							
10					WA	PE							
					FL	OT							
11					WA	PE							
					FL	OT							
12					WA	PE							
					FL	OT							

Activity Codes: WA-walking on ground, PE-perched above ground, FL-flying, OT-other (please specify)  
Habitat Codes: CBS-Creosote Bush Scrub, SD/SS-Sand Dunes/Sand Sheets, DP-Desert Pavement, OT-other (please specify, provide details of Project structure/facility)

OBS. # (Time)	ADDITIONAL NOTES
1017 hrs.	Small swallow flying south. Flew low above brush tops. Landed did not observe leaving area. Approximately 200 ft from observation area.

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

**Common Raven Fixed Point Observation Data Sheet**

Date (m/d/yyyy) 3/20/14 Observer (init.) DP/CM Start Time 1340 End Time 1400 Obs Pt. 6

Visibility: Clear or Min \_\_\_\_\_ Max \_\_\_\_\_ (m) Page \_\_\_\_\_ of \_\_\_\_\_

Wind Direction from (circle one) Calm N NE E SE S SW W NW Variable Ø Speed: Low \_\_\_\_\_ High \_\_\_\_\_ (km/h)

Precipitation (circle one): none light rain rain snow sleet hail fog other Temp: 87 (°F) Cloud Cover: 80 %

Obs #	Time	Sex	Age	# of birds	Activity (circle 1st, X others)		Flight Dir (to)	Horizontal Distance (m)		Habitat Type/ Perch Structure	Aud?	Vis?	Notes
					WA	PE		1st	closest				
1					WA	PE							No CORA Observed
					FL	OT							
2					WA	PE							
					FL	OT							
3					WA	PE							
					FL	OT							
4					WA	PE							
					FL	OT							
5					WA	PE							
					FL	OT							
6					WA	PE							
					FL	OT							
7					WA	PE							
					FL	OT							
8					WA	PE							
					FL	OT							
9					WA	PE							
					FL	OT							
10					WA	PE							
					FL	OT							
11					WA	PE							
					FL	OT							
12					WA	PE							
					FL	OT							

Activity Codes: WA-walking on ground, PE-perched above ground, FL-flying, OT-other (please specify)  
 Habitat Codes: CBS-Creosote Bush Scrub, SD/SS-Sand Dunes/Sand Sheets, DP-Desert Pavement, OT-other (please specify, provide details of Project structure/facility)

OBS. # (Time)	ADDITIONAL NOTES

Genesis Solar Energy Project  
Eastern Riverside County, California

Common Raven Fixed Point Observation Data Sheet

Date (m/d/yyyy) 3/20/14

Observer (init.) DP/CM

Start Time 1236

End Time 1258

Obs Pt. 7

Visibility: Clear or Min Max (m)

Page of

Wind Direction from (circle one): Calm N NE E SE S SW W NW Variable 3 mph Speed: Low High (km/h)

Precipitation (circle one): none light rain rain snow sleet hail fog other Temp: 89 (°F) Cloud Cover: 70 %

Obs #	Time	Sex	Age	# of birds	Activity (circle 1 <sup>st</sup> , X others)		Flight Dir (to)	Horizontal Distance (m)		Habitat Type/ Perch Structure	Aud?	Vis?	Notes
					WA	PE		1 <sup>st</sup>	closest				
1					WA	PE							No CORA observed.
					FL	OT							
2					WA	PE							
					FL	OT							
3					WA	PE							
					FL	OT							
4					WA	PE							
					FL	OT							
5					WA	PE							
					FL	OT							
6					WA	PE							
					FL	OT							
7					WA	PE							
					FL	OT							
8					WA	PE							
					FL	OT							
9					WA	PE							
					FL	OT							
10					WA	PE							
					FL	OT							
11					WA	PE							
					FL	OT							
12					WA	PE							
					FL	OT							

Activity Codes: WA-walking on ground, PE-perched above ground, FL-flying, OT-other (please specify)

Habitat Codes: CBS-Creosote Bush Scrub, SD/SS-Sand Dunes/Sand Sheets, DP-Desert Pavement, OT-other (please specify, provide details of Project structure/facility)

OBS. # (Time)	ADDITIONAL NOTES

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

Specimen Collection Information

Report Year (yyyy) *	Project Proponent *	Project Name *	Project Type *	Salvage Permit # (if applicable)*	Eagle Permit # (if applicable)*	Specimen Number *	<p><b>How to Use the Search Box:</b> You may either start typing your choice or click on the arrow on the right hand side of the search bar to view all choices. Once you locate the appropriate choice, you can highlight the text and then hold down the CTRL button while pressing C on your</p> <p><b>SPECIES COMMON NAME SEARCH BOX:</b></p> <input type="text"/>	Scientific Name (include subspecies, if known) *	SPITS Code	Number of individuals found or number of nests relocated (if active nest relocation) *	Age	Sex	How found? (Carcass survey, incidental detection) *	Discovery Date *	Name of individual discovering injury/mortality	Collection Date *
							Species Common Name (AOU English Name) *									
2014	NextEra Energy Resources	Genesis Solar Energy Project	Solar Energy	N/A	N/A	N/A	Eurasian Collared Dove	Streptopelia decaoto		1	Adult	Unknown	Incidental	3/18/2014	Eric German	3/18/2014
2014	NextEra Energy Resources	Genesis Solar Energy Project	Solar Energy	N/A	N/A	N/A	Lincoln's Sparrow	Melospiza lincolnii	LISP	1	Adult	Unknown	Incidental	3/20/2014	Eric German	3/20/2014

Bird/Carcass Information										Location					
Condition of Bird/Carcass (or if Active Nest Relocation, please indicate that here)*	Estimated time dead/injured before discovery	Description of Carcass/Injury (noticeable injuries, entire, partial, feather, scavenged, disarticulation, emaciated)*	Suspected cause of injury/mortality (field determination)*	Level of certainty for suspected cause * Observed - 100% Valid - >90% certainty Probable - >50% certainty Possible - <50%, but > 0% certainty Not Applicable - 0% certainty or unknown	Official cause of death	Who determined official cause of death? (Lab Name)	Necropsy? Y/N	Disposition (Where did carcass end up?)*	Injured animal outcome? (Died, euthanized, released, rehab center, zoo)	Transect/Subplot Number *	Where found: GPS Latitude (decimal degrees)*	Where found: GPS Longitude (decimel degrees)*	Habitat surrounding carcass	County (Note: Please list only primary name e.g. Grant Parish would be "Grant", and Alameda County would be "Alameda")	State
Broken up	3 weeks	Desiccated, feathers worn and becoming detached, head missing	Unknown	Not Applicable (0% or Unknown)	Unknown	N/A	unknown	Freezer on site	N/A	Unit 2 block 3 row 8	33.66106	-114.98595	Graded	Riverside	CA
Alive, injured		Bird stuck to rat sticky pad	Other (stuck to rat sticky paper)	Observed or Confirmed (100%)	N/A	N/A	N/A	Rehab Center	Rehab Center	N/A	33.66459	-114.99696	Other (note)	Riverside	CA



Weather conditions					Project Feature information		Project Feature information							Additional information	
Estimated weather conditions at time of mortality/injury	Wind speed (Day of death, estimated)	Max wind gust speed (Day of death, estimated)	Wind direction (Day of death, estimated)	Moonphase (Julian calendar phase)	Project feature where injured bird/carcass was found*	Project feature where injured bird/carcass was found* (use if more than one feature found)	Project feature where injured bird/carcass was found* (use if more than 2 features found)	Distance to Project Feature (Feet) *	Azimuth of carcass to project feature	Flight diverters on transmission line? (Y/N)	Type of flight diverter? (List various types)	Transmission compliant with APLIC 2012? (Y/N)	Type and configuration of structure (e.g. structure type, nameplate information, manufacturer information, model number, height, presence/absence of guy wires, structure ID#, line name, circuit number, circuit name, etc.)	Biometric Data on bird (Optional, but could include weight, wing chord, tarsus, tail molt, fat level, brood patch, etc.)	Additional Information and Notes (Band information, other identifying numbers, mitigating conditions)
Unknown	1		Variable		Solar Trough	Other	N/A			N	N/A	N/A	N/A		Eurasian Collared-Dove. Bird was desiccated and found blowing in the wind within a solar field, beneath solar trough. Contacted USFWS at 1100 and placed in freezer.
Clear	5	7	N	unknown	Water Treatment Building	N/A	N/A			N	N/A	N/A	N/A		The bird was found within the water treatment building. Site personnel reported. Biologist brought to rehab. The feathers were trimmed and the bird appears to be recovering. The bird was stuck on rat sticky paper with stuck crickets. Contacted USFWS Law Enforcement.

Date & Time: Tue Mar 18 11:00:01 PDT 2014  
Position: 11 N 686745 3726411  
Altitude: 372ft  
Azimuth/Bearing: 286° N74W 5084mils (True)  
Elevation Angle: -83.2°  
Horizon Angle: +28.3°  
Zoom: 1X  
bird mortality unit block 3 row 8



Date & Time: Thu Mar 20 08:46:41 PDT 2014  
Position: 11 N 690094 3723646  
Altitude: 391ft  
Azimuth/Bearing: 114° S66E 2027mils (True)  
Elevation Angle: -24.8°  
Horizon Angle: +02.4°  
Zoom: 1X  
bird stuck on pad



**ATTACHMENT 5**  
**CORRESPONDENCE**



### Construction Wildlife Incident Form

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

#### INCIDENT DETAILS

Date: 3/4/14 Observer: ERIC GERMAN

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

Cause of Death: UNKNOWN

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

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

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

MAGGOTS @ ANAL ANGA. INTACT CARCASS  
APPEARED VERY SKINNY

#### LOCATION

DATUM: NAD 83

UTM E: 0690038 UTM N: 3723942

Location Details (microhabitat, etc.):

CREOSOTE SCRUB IN KRAE/SQUIRREL COMPLEX -  
UPON DIGGING BURROW OPENED UP TO DIRT SIZE - 150 M NORTH  
OF ACCESS ROAD NORTH OF STRUCTURE 3/

#### IDENTIFICATION

Bird / Bat / Unknown / Other (circle one)

Species (if unknown, write 'unknown'): DESERT KIT FOX

Sex (circle one): Male / Female / Unknown

Age (circle one): Adult / Juvenile / Unknown

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

Identification Remarks: HONEY - COLLARED FOX

160900(FREQ)

#### ENVIRONMENTAL CONDITIONS - DAY of SALVAGE

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

Approx. Temperature (circle one) °F / °C: 55

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

Habitat (circle all that apply):

Bare Ground / Creosote Bush Scrub / Sand Dune or Sand Sheet /

Playa / Ephemeral Wash / Desert Pavement

#### NOTIFICATION

Actions Taken (e.g., left in place, taken to rehab): LOCATED 3/3 - MORTALITY  
SIGNAL CONTACTED CDFW - CONSULTED WITH BLM CDFW AND  
CULTURAL THEN SALVAGED

Date & Time: Tue Mar 4 08:01:53 PST 2014  
Position: 11 N 690038 3723940  
Altitude: 383ft  
Azimuth/Bearing: 172° S08E 3058mils (True)  
Elevation Angle: +51.6°  
Horizon Angle: -25.2°  
Zoom: 1X  
dkf mortality





Date & Time: Tue Mar 4 08:03:46 PST 2014  
Position: 11 N 690038 3723942  
Altitude: 391ft  
Azimuth/Bearing: 181° S01W 3218mils (True)  
Elevation Angle: -63.4°  
Horizon Angle: +15.9°  
Zoom: 1X  
dkf mortality



## Genesis Solar Energy Project Pre-Construction Nest Survey Data Form

March 13, 2014

0930 – 1045

Temperature: 62°F

Wind: Calm (0 MPH)

Pre-construction nest surveys were required prior to Genesis Solar Energy Project (Project) related ground disturbance activities. Included in this report are the findings from nest surveys completed on March 13, 2014. The surveyed area was located outside the permanent fence along the northwest corner of Unit 1. Vegetation consisted primarily of creosote (*Larrea tridentate*), burro-weed (*Ambrosia dumosa*) and galleta grass (*Hilaria rigida*). These species are typical of creosote bush scrub plant communities. Part of the habitat outside of the planned disturbance area includes drainage channel with rip rap bottom and soil-crete walls.

Project biologists Eric German and Ron Walker conducted surveys during the morning of March 13, 2014. Transects were completed in a north-south direction and in meandering fashion through the rip rap channel bottom; transects were spaced at 30 meters apart. Spacing was determined to allow for complete visual coverage of the survey area between biologists. Visual efforts included straying off the transect line at times to provide additional coverage of available nesting habitat. All incidental bird sightings were noted. Birds found were observed to determine whether they were paired or exhibiting nesting behavior (carrying nesting material, food transport).

### Results

No nests or nesting bird activity was observed during the survey period. A northern harrier was seen flying to the south; a say's phoebe was observed hunting insects from a perch on the permanent fence, and a loggerhead shrike (associated with Ironwood trees to the south) was seen from a distance. The harrier and the shrike were not seen in the actual survey area.



Date & Time: Thu Mar 13 09:54:02 PDT 2014  
Position: 11 N 683368 3728172  
Altitude: 391ft  
Azimuth/Bearing: 208° S28W 3698mils (True)  
Elevation Angle: -07.7°  
Horizon Angle: -03.0°  
Zoom: 1X  
nesting bird survey march 13



Date & Time: Thu Mar 13 10:40:07 PDT 2014  
Position: 11 N 683373 3727996  
Altitude: 394ft  
Azimuth/Bearing: 322° N38W 5724mils (True)  
Elevation Angle: -02.0°  
Horizon Angle: +03.8°  
Zoom: 1X  
nesting bird survey march 13



**Appendix C**

**Haz-6**

**Worker Environmental Awareness Program Training**

**No construction WEAP training during the month  
of March**

**Appendix D**

**Civil-1**

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

CBO Submittals for March 2014						
Genesis						
Submittal Title	Client Submittal Date	Due Date	Client Date	Expedite	Lead Plan Reviewer	Due Date Comments
1 ELEC-1-022.0X2-12kv Permanent Power-PC1 (On hold)	03/18/2014	03/25/2014		Yes	Cristian Son	BVDoc control Note: Submittal on hold pending electronically signed drawings. Expected to be received by March 21st. -ASL 140320
2 CIVIL-1-020.0 - Plant Security Gates - PC1	03/17/2014		03/20/2014	Yes	Trimberger, Thomas, thomas.trimberger@us.bureauveritas.com	
3 CIVIL-1-600.0 - Assembly Building Conversion PC1	03/19/2014	04/10/2014			Trimberger, Thomas, thomas.trimberger@us.bureauveritas.com	BVDoc Control Note: Submittal on hold pending receipt of transmittal. - ALS 03/21/14
4 STRUC-1-900.0 - Temporary Assembly Conversion to Permanent Maintenance Building - PC1 (Returned with Comments)	03/06/2014		03/11/2014	Yes	Rodriguez, Eric, eric.rodriguez@us.bureauveritas.com	BVDocControlNote: Submittal was submitted as normal review on 03/04/14, then on 03/06/14 Matt McCord requested this submittal have an expedited review. Reviewer has been informed. -A.Sage 03/07/14
5 ELEC-1-506.00 HVAC Duct Support - PC1 (Returned with Comments)	03/18/2014	03/27/2014		Yes	Son, Cristian, cristian.son@us.bureauveritas.com	BVDocControl Note: Submittal on hold pending receipt of wet-stamped hard copies or electronic copies with digital signature. -03/21/14 ALS

**Appendix E Cultural  
Monitor Reports Cul-8  
and Cul-13  
Construction Monitoring Plan and Flag and Avoid**

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

MCR for Cultural Resources

**CUL-7: Worker Environmental Awareness Program (WEAP)**

Requirement: Submit past 30 days of training records

**Workers Environmental Awareness Program**

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

**CUL-8: Construction Monitoring Program**

Requirement: Submit report of any noncompliance.

There were no compliance issues this month.

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

All ground disturbing activities were observed by CEC - approved Cultural Resources Monitors (CRMs) and Native American Monitors. Table 1 lists the number of CRMs onsite during the month of March.

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

<b>March 2014</b>		
<b>Date</b>	<b>Number of Cultural Resource Monitors</b>	<b>Number of Native American Monitors</b>
3/3/2014	2	1
3/4/2014	2	1
3/5/2014	2	1
3/6/2014	2	1
3/7/2014	2	1
3/10/2014	2	1
3/11/2014	2	1
3/12/2014	2	1
3/13/2014	2	1
3/14/2014	1	1
3/17/2014	1	1
3/18/2014	1	1
3/19/2014	1	1
3/20/2014	1	1



3/24/2014	1	1
3/25/2014	1	1
3/26/2014	1	1
3/31/2014	1	1

**Number of Isolate Forms submitted- 2**

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

**Number of Monitoring Logs submitted - 27**

Construction activities were monitored along parts of the main access road, in portions of Unit 1, near the entrance of Unit 2, and the Common area. Construction activities monitored included excavation, grading, trenching, contour tilling, and backfilling. A total of two artifacts were found in all construction areas during the month of March. Both artifacts were recorded as new isolated finds. The location of cultural resources 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**

No Safety Summary for the Month of March 2014