

DOCKETED

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Project Title:	AES Huntington Beach Generation Station Retool Project - Compliance
TN #:	214622
Document Title:	Monthly Compliance Report (MCR) for September 2016
Description:	COM-6
Filer:	Eric Veerkamp
Organization:	AES Huntington Beach Energy, LLC
Submitter Role:	Applicant
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Docketed Date:	12/2/2016

October 14, 2016

Mr. Eric Veerkamp
Compliance Project Manager
California Energy Commission
1516 9th Street
Sacramento, CA 95814

Subject: Huntington Beach Energy Project
 Docket No. 12-AFC-02C
 Monthly Compliance Report – 005 September 2016, in Compliance with COM-6

Dear Mr. Veerkamp:

Enclosed please find the Monthly Compliance Report – 005 for the Huntington Beach Energy Project for the month of September 2016, in compliance with COM-6. If you have any questions, please feel free to contact me at (714) 374-1420.

Sincerely,

A handwritten signature in black ink that reads "Joshua Wynia". The signature is written in a cursive, flowing style.

Joshua Wynia
Project Director

Enclosure

cc: Project File

REPORT

Huntington Beach Energy Project Monthly Compliance Report – 005

Report Period: September 2016

Prepared by:

AES Huntington Beach Energy, LLC

Submitted to:

California Energy Commission
Energy Facilities Siting and
Environmental Protection Division
1516 9th Street
Sacramento, California 95814-5512

October 14, 2016



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List of Active Conditions September 2016

AQ-SC3	Air Quality Construction Mitigation Plan documentation of dust control measures
AQ-SC4	Dust plume response
AQ-SC5	Diesel fueled engine control
AQ-SC6	Construction Particulate Matter Mitigation Plan
BIO-6	Implementation of BRMIMP
BIO-5	WEAP training for all on-site workers
CUL-5	WEAP training for all on-site workers
PAL-4	WEAP training for all on-site workers
CUL-2	Weekly report from CRS to CPM of anticipated construction activities for the following week during cultural resources ground disturbance
CUL-3	CRMMP Implementation
GEN-2	Project construction schedule updates
GEN-3	CBO payment receipts
CIVIL-1, 3, 4	Documenting of all CBO approvals (special inspections, CBO, GEN-6, 7, 8 inspections plan checks, corrective actions, submittals, and all STRUC-1, 3, 4 other CBO approvals) and CBO submittal transmittal letters.
NOISE-2	Noise complaints
PAL-3	PRMMP Implementation
WASTE-2	Asbestos Demolition Notification
WASTE-5	Construction waste management
WORKER SAFETY-3	Construction Safety Supervisor monthly safety inspection report
WORKER SAFETY-5	Proof of AED on site

Acronyms and Abbreviations

AQCMM	Air Quality Construction Mitigation Manager
AST	Aboveground Storage Tank
BMP	Best Management Practice
BRMIMP	Biological Resources Mitigation Implementation and Monitoring Plan
CARB	California Air Resources Board
CBO	Chief Building Official
CEC	California Energy Commission
COC	Condition of Certification
CRS	Cultural Resources Specialist
CPMMP	Construction Particulate Matter Mitigation Plan
CRMMP	Cultural Resources Mitigation and Monitoring Plan
CPM	Compliance Project Manager
FTP	File Transfer Protocol
HBEP	Huntington Beach Energy Project
LNTP	Limited Notice to Proceed
SCAQMD	South Coast Air Quality Management District
SWPPP	Storm Water Pollution Prevention Plan
MCR	Monthly Compliance Report
PRMMP	Paleontological Resources Monitoring and Mitigation Plan
WEAP	Worker Environmental Awareness Program

1.0 Current Project Construction Status

The following section summarizes the current construction status for the Huntington Beach Energy Project (HBEP or project). The demolition contractor, GSD, started work on the large aboveground storage tank (AST) on August 29, 2016 with removal of the floating roof and then continued with removal of the tank walls using a Volvo Excavator outfitted with a shear attachment. The final course of the tank wall was removed in sections after being torch cut due to the thickness of the final course at 1.25 inches. The large AST demolition was completed on September 22, 2016 with the exception of the tank floor. The scrap steel was processed for recycling and loaded into 26 trucks with approximately 511 tons of steel. Demolition of the distillate fuel tank began on September 27, 2016 and was completed on September 28, 2016. Demolition of the gas compressor building began on September 29, 2016 and was completed on September 30, 2016. GSD and AES continue to work on completing the pre-demolition engineering survey and the utility isolation and verification package in anticipation of peaker building demolition beginning in October 2016.

The updated construction schedule is included in Appendix A of this report. A key events list is provided in Appendix B of this report.

2.0 Construction Activities

On-site construction activities for this reporting period are presented below.

- GSD completed demolition of the large AST with the exception of the floor that will be completed following collection of soil samples from beneath the tank floor.
- GSD completed demolition of the small AST (distillate tank).
- GSD completed demolition of the gas compressor building and stockpiled of building material.
- Fuel oil pipeline insulation removal is in process; approximately 15% of the insulation has been removed from the pipeline.
- Kiewit completed 3 additional soil borings to supplement the original geotechnical investigation.
- GSD continued to prepare the peaker building for demolition by plugging floor drains, inspecting the building for hazardous materials such as ballast, light bulbs and batteries, and verifying systems drained of free liquid.
- W.A. Rasic supported GSD with the removal of free liquid from the distillate piping and lube oil systems from within the peaker building. Approximately 1,200 gallons of residual distillate and 900 gallons of lube oil was removed from the peaker building.
- Construction trailer setup (AES, CBO and GSD), structural inspection completed and temporary power inspection completed.
- Abandoned hydrogen line to peaker building was isolated by Praxair and was purged with carbon dioxide. The line was cut and air gapped to peaker.

3.0 Compliance Matrix

3.1 CEC Documentation

The updated CEC Compliance Matrix is included in Appendix C.

3.2 CBO Documentation

Documentation for CBO related activities for this reporting period are included in Appendix D of this report. This documentation includes:

- Updated CBO Matrix (per GEN-2) and schedule updates
- A copy of the CBO payment receipt for this reporting period (per GEN-3)
- Transmittals for documents uploaded to the CBO's FTP site for this reporting period (also listed in Table 3-1 below)

Table 3-1. Documentation Uploaded to CBO FTP Site

COC	Description	Date Submitted
STRUC-1	GSD Construction Trailer Foundation Design	9/13/16

4.0 Required Documents Submitted with this Report

4.1 Air Quality

This section summarizes the activities conducted in September 2016 to demonstrate compliance with Conditions of Certification (COCs) AQ-SC3, AQ-SC4, AQ-SC5, and AQ-SC6. The required documentation for these COCs is provided in the sections below.

4.1.1 AQ-SC3 Construction Fugitive Dust Control

AQ-SC3 requires a number of control measures to mitigate fugitive dust created by project construction activities. AQ-SC3 also requires that the Monthly Compliance Report (MCR) include the following:

- A summary of all actions taken to maintain compliance with this condition;
- Copies of any air quality-related complaints filed with the South Coast Air Quality Management District (SCAQMD or District) or facility representatives in relation to project construction; and
- Any other documentation deemed necessary by the CPM and Air Quality Construction Mitigation Manager (AQCM) to verify compliance with this condition. Such information may be provided via electronic format or disk at the project owner's discretion.

During construction in September 2016, fugitive dust was controlled primarily by maintaining vehicle speeds of 10 miles per hour or less on unpaved areas and applying water during soil disturbing and demolition activities. Signs have been posted at the entrance to the construction site limiting vehicle speeds to 10 miles per hour. In addition, existing speed limit signs throughout the facility limit vehicle

speeds to 12 miles per hour on paved roads. To verify compliance with AQ-SC3, a fugitive dust control checklist was completed each day. The daily field checklists for fugitive dust are provided in Appendix E and summarized in Table 4-1 below. No air quality-related complaints were received during this reporting period.

Table 4-1. Fugitive Dust Control Measures

AQ-SC3

Implementation Measure	Out of Compliance Trigger	In Compliance Trigger ^a	Results During Compliance Period
All Main Access Roads Onsite Are Paved or Stabilized	No – Dust Plumes Originating from Access Roads	Yes – No Dust Plumes Originating from Access Roads	Yes – In Compliance
All Unpaved Roads Onsite Are Stabilized	No – Dust Plumes Originating from Unpaved Roads	Yes – No Dust Plumes Originating from Unpaved Roads	Yes – In Compliance
All Disturbed Areas Are Watered As Necessary During Grading and Stabilized After Active Construction	No – Dust Plumes Originating from Disturbed Areas	Yes – No Dust Plumes Originating from Disturbed Areas	Yes – In Compliance
Maximum Speed Limit of 10 Miles Per Hour on Unpaved Surfaces	No – Vehicles Exceeding 10 Miles Per Hour on Unpaved Areas	Yes – Vehicles Travel 10 Miles Per Hour or Less on Unpaved Areas	Yes – In Compliance
Visible Speed Limit Signs Posted at Construction Site Entrances	No – No Signs Posted	Yes – Signs Posted	Yes – In Compliance. Ten mph speed limit is posted.
Wheel Inspection or Wash Stations in Place	No - Track-Out into Roadways Not Managed	Yes - No Track-Out Observed	Yes – In Compliance. Wheels inspected. Wash stations to be installed when truck traffic increases.
At Least 20-Foot-Long Gravel Ramps at Wheel Inspection/ Wash Stations	No – 20-Foot-Long Gravel Ramps Not Present	Yes – 20-Foot-Long Gravel Ramps Present	NA – Gravel ramps to be installed when truck traffic increases.
All Unpaved Exits Have Are Graveled or Treated	No – Dirt Entering Roadways	Yes - No Dirt Entering Roadways	Yes – In Compliance. Currently, there are no unpaved exits from construction site.
Entrance Limited to Treated Roadways	No – Entrance Not Limited	Yes - Entrance Limited	Yes – In Compliance
SWPPP Control Measures Implemented	No – Contaminated Storm Water Runoff Found in Roadways	Yes – No Contaminated Storm Water Runoff found in Roadways	Yes – In Compliance. BMPs are installed.
Paved Area of Site Swept Daily or As Needed	No - Dirt / Debris Accumulated	Yes – Site Clean	Yes – In Compliance
At Least 500 Feet of Any Paved Roadway Exiting Site Swept As Needed	No – Visible Dirt within 500 Feet of Roadway Entrance	Yes - No Dirt Observed	Yes – In Compliance
Soil Storage Piles and Disturbed Areas Inactive for More Than 10 Days Are Covered or Treated	No – Dust Plumes Originating from Storage Piles and Disturbed Areas	Yes - No Dust Plumes from Storage Piles and Disturbed Areas	Yes – In Compliance

Table 4-1. Fugitive Dust Control Measures
AQ-SC3

Implementation Measure	Out of Compliance Trigger	In Compliance Trigger ^a	Results During Compliance Period
Bulk Material Transport Offsite is Covered or Treated and Loaded With at Least Two Feet of Freeboard	No – Visible Emissions from Bulk Material Transport	Yes – No Visible Emissions from Bulk Material Transport	Yes – In Compliance
Wind Erosion Control Techniques used for Disturbed, Unstabilized Construction Areas	No – Visible Dust from Disturbed, Unstabilized Construction Areas	Yes – No Visible Dust from Disturbed, Unstabilized Construction Areas	Yes – In Compliance

^a Site is noted as in compliance if the activity did not occur during the compliance period.

4.1.2 AQ-SC4 Dust Plume Response Requirement

AQ-SC4 requires that all construction activities be monitored for visible dust plumes. This condition also requires that additional dust mitigation measures be implemented if visible dust plumes that have the potential to be transported off the project site and within 400 feet upwind of any regularly occupied structure are observed. AQ-SC4 requires that the MCR include the following:

- A summary of all actions taken to maintain compliance with this condition;
- Copies of any air quality-related complaints filed with the District or facility representatives in relation to project construction; and
- Any other documentation deemed necessary by the CPM and AQCMM to verify compliance with this condition. Such information may be provided via electronic format or disk at the project owner's discretion.

No visible dust plumes with the potential to be transported offsite were observed in September 2016. Therefore, no additional dust control measures listed in AQ-SC4 were necessary. No air quality-related complaints were received during this reporting period.

4.1.3 AQ-SC5 Diesel-Fueled Engine Control

AQ-SC5 requires that all off-road diesel construction equipment used on the project be powered by the cleanest engines available that also comply with California's Air Resources Board's (CARB) Regulation for In-Use Off-Road Diesel Fleets. AQ-SC5 requires that the MCR include the following:

- A summary of all actions taken to control diesel construction related emissions;
- A list of all heavy equipment used on site during that month, showing the tier level of each engine and the basis for alternative compliance with this condition for each engine not meeting Part "b" or Part "c" requirements. The list shall include the owner of the equipment and a letter from each owner indicating that the equipment has been properly maintained; and
- Any other documentation deemed necessary by the CPM and AQCMM to verify compliance with this condition. Such information may be provided via electronic format or disk at the project owner's discretion.

The following off-road diesel equipment was present at the site in September 2016 and tagged to indicate compliance with AQ-SC5:

- Volvo EC480EL Excavator

- Takeuchi TL10CR Skid Steer Loader
- Skyjack SJ86T Boom
- Genie Z-80/60 Articulating Boom
- Case 590SN Backhoe

Appendix E provides a table summarizing information about the engines including the CARB Engine Identification Number, tier and the dates the equipment was on the project site. Appendix E also contains the daily field checklists for off-road diesel engines and letters from the equipment owners indicating the equipment has been properly maintained.

4.1.4 AQ-SC6 Construction Particulate Matter Mitigation Plan

AQ-SC6 requires that a Construction Particulate Matter Mitigation Plan (CPMMP) be prepared and that the records of the CPMMP be included in the MCR. The CPMMP states that MCR will include documentation regarding the date and time of the monthly street sweeping and the make and model of street sweeper used.

Nationwide Environmental initiated the street sweeping program on September 29, 2016. Records documenting sweeping activities are included in Appendix E.

4.2 Worker Environmental Awareness Program Training

The Worker Environmental Awareness Program (WEAP) was approved on June 28, 2016, thus satisfying all components of the WEAP.

The HBEP Designated Biologist provided on-site WEAP training on May 11, 2016, and subsequent training has been administered via electronic media. Appendix F includes signed WEAP Training Acknowledgment forms for this reporting period. Thirty-nine workers received training during this reporting period. A total of 142 workers have received WEAP training for the project.

4.3 Biological Resources

In accordance with BIO-6 Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP), HBEP conducted periodic monitoring and biological resources surveys during pre-construction activities. Biological Resources Monitoring Logs and the associated summary report are included in Appendix G.

Activities associated with BIO-6 BRMIMP performed during this monthly reporting period are summarized and included in Appendix G.

4.4 Cultural Resources

4.4.1 CUL-5 Cultural Resources Worker Environmental Awareness Program

The cultural resources portion (CUL-5) of the Worker Environmental Awareness Program (WEAP) was approved on June 28, 2016, thus satisfying all components of the WEAP. As required by CUL-5 Cultural Resources WEAP, until ground disturbance is completed, the project owner shall provide the WEAP Certification of Completion forms for workers who have completed the training in the prior month and a running total of all persons who have completed training to date. Thirty-nine workers received training during this reporting period. A total of 142 workers have received WEAP training for the project.

Appendix F includes signed WEAP Training Acknowledgment forms for this reporting period.

4.4.2 CUL-6 Undiscovered Cultural Resources

As required by CUL-6 Undiscovered Cultural Resources, the MCR shall include a summary of cultural resources related monitoring prepared by the Cultural Resources Specialist (CRS) and shall attach any new Department of Parks and Recreation 523A forms completed for finds treated prescriptively, as specified in the CRMMP.

No activities associated with CUL-6 Undiscovered Cultural Resources were required or performed during this monthly reporting period. Future activities will be included in Appendix H.

4.5 Paleontological Resources

As required by PAL-5 Worker Environmental Awareness Program, the project owner shall provide copies of the WEAP Certification of Completion forms with the names of those trained and the trainer or type of training (in-person and/or video) offered that month and a running total of all persons who have completed training to date.

Appendix F includes signed WEAP Training Acknowledgment forms for this reporting period. No activities associated with paleontological resources were required or performed during this monthly reporting period. Future activities will be included in Appendix I.

4.6 Worker Safety

4.6.1 WORKER SAFETY-3 Construction Safety Supervisor

Per WORKER SAFETY-3 Construction Safety Supervisor, the MCR will include:

- Record of all employees trained for that month (all records shall be kept on site for the duration of the project);
- Summary report of safety management actions and safety-related incidents that occurred during the month;
- Report of any continuing or unresolved situations and incidents that may pose danger to life or health; and
- Report of accidents and injuries that occurred during the month.

4.6.1.1 Safety Training

Appendix J includes a list of the sign-in sheets for individuals who have completed the site orientation safety for this monthly reporting period.

4.6.1.2 Safety Management Actions and Safety Incidents

These activities are conducted daily and include Safety Tours/Walks; Contractor Foreman's meeting; and Morning Tailboards. Records of these activities are maintained in Unifier.

AES performs daily safety observations, which are included in Appendix J.

A near miss was reported on September 28, 2016, at 4:30pm during a demolition preparatory activity within the Peaker building. While torch-cutting a complex, approximately 12" diameter, double-elbow near the butterfly valve of the circulation water system, an unidentified aerosol can, discarded within the pipe, was penetrated by the torch, resulting in an aerosol energized fire to emerge from the cut line. All work was immediately stopped and the Contractor's Fire Watch extinguished the flame with the charged stand-by fire hose. A post investigation revealed that the can was discarded previously within the double-elbow, near the seating surface of the butterfly valve. Because of the configuration of the

piping, visual verification of the open and de-energized line was impossible. Fortunately, the Contractor was fully prepared for this unusual emergent condition. Working with a 4-foot torch extension and cutting away from the work team, both the torch handler and Fire Watch were safely located away from aerosol fire and falling debris. No personnel injured or equipment damage as a result of the event. Near miss report can be found in Appendix J.

4.6.1.3 Continuing or Unresolved Situations

- None to report.

4.6.1.4 First Aid or Recordable Injuries

- None to report.

4.6.2 WORKER SAFETY-5 Automatic External Defibrillator

Per WORKER SAFETY-5 Automatic External Defibrillator, the MCR will include proof that a portable automatic external defibrillator exists on site. The required documentation has been included in Appendix J.

5.0 Compliance Requirements Completed During the Reporting Period

Table 5-1 contains a summary of Conditions of Certification submittals and CEC review/approval status during this reporting period.

Table 5-1. Compliance Submittals During the Reporting Period

COC	Description	Date Submitted	CEC Approval Date	Status
BIO-3	Biological Monitor	9/1/16	9/16/16	CEC Approved

6.0 Compliance Submittals Pending Approval

No compliance submittals have exceeded the review time stated in the COCs.

7.0 Changes to Conditions of Certification

Reference documentation for VIS-3, WORKER SAFETY-1 and BIO-8 are included in Appendix K.

7.1 VIS-3 Long-Term Construction Screening, Landscape Protection, and Site Restoration Plan – Project Demolition, Construction, and Commissioning

Due to the Limited Notice to Proceed (LNTTP) activities approved by the CEC, AES proposed an amended VIS-3 submittal to specifically address the activities being performed under LNTTP activities. The LNTTP VIS-3 submittal was approved by the CEC on May 3, 2016, with the understanding that a comprehensive VIS-3 submittal would be submitted during 4th quarter 2016.

7.2 WORKER SAFETY-1 Project Construction Safety and Health Program

Due to the LNTTP activities approved by the CEC, AES proposed an amended WORKER SAFETY-1 submittal to specifically address the activities being performed under LNTTP activities. The submittal (Site-specific Health and Safety Plan) specifically addressed the asbestos and lead abatement project and was approved by the CEC on May 9, 2016 with the understanding that future WORKER SAFETY-1 submittals addressing the remaining three activities (listed below) will be submitted once a contractor has been selected to conduct the work scope:

- Clear and Cap Abandoned Fuel Oil Lines (includes asbestos removal);
- Demolition of Structures (Unit #5 Peaker and Compressor Buildings, Aboveground Storage Tanks and Ancillary Equipment); and
- Excavation and Stockpiling of Containment Berms.

7.3 BIO-8 Pre-Construction Nest Surveys and Impact Minimization Measures for Breeding Birds

The LNTTP Conditions of Certifications list established on September 11, 2015, between the CEC and AES did not include Condition BIO-8. However, through supplemental discussions between the CEC and AES, the decision was made to include BIO-8. This condition has been added to the COC matrix.

8.0 Filings/ Permits Issued by Governmental Agencies

During this reporting period no documents were submitted or issued by other governmental agencies. Future submittals will be included in Appendix L.

9.0 Complaints, Notices of Violations, Warnings and Citations

No complaints, notices of violation, official warnings, or citations have been received during this reporting period or to date on this project.

As required by NOISE-1 a public notification process was established for the HBEP LNTP. The hotline was activated on June 1, 2016, and since has received 22 calls with no complaints received. The hotline received 4 calls in the month of September 2016; 3 callers did not leave a voice message and 1 caller was answered directly and asked when demolition would begin. Call log is included in Appendix M.

Appendix A

Construction Schedule

AES HBEP NTP SCHEDULE (CLH) 10-06-16				AES Owner's Schedule			07-Oct-16 14:27																					
Activity ID	Activity Name	OD	Percent Complete	Start	Finish	TF	2016				2017				2018				2019				2020				2021	
							Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
Total		1398	20.53%	09-Mar-15 A	07-Jan-21	0	07-Jan-																					
AES HBEP NTP SCHEDULE (CLH) 10-06-16		1398	20.53%	09-Mar-15 A	07-Jan-21	0	07-Jan-																					
OSHB-1000	Project Start	0	100%	01-Sep-15 A			Project Start, 01-Sep-15 A																					
OSHB-1100	Review Existing Agreements	10	100%	19-Jan-16 A	20-Apr-16 A		Review Existing Agreements																					
OSHB-1150	Prepare Execution Plan Draft	5	100%	11-Apr-16 A	21-Apr-16 A		Prepare Execution Plan Draft																					
OSHB-1200	Project Execution Plan Final	20	100%	21-Apr-16 A	15-Jul-16 A		Project Execution Plan Final																					
Development of Stakeholder Management Plan		139	99.28%	01-Sep-15 A	06-Oct-16	202	06-Oct-16, Development of Stakeholder Management Plan																					
Indentification of Stakeholders		139	99.28%	01-Sep-15 A	06-Oct-16	202	06-Oct-16, Indentification of Stakeholders																					
Internal Stakeholders		1	100%	01-Sep-15 A	18-Jan-16 A		18-Jan-16 A, Internal Stakeholders																					
OSHB-1210	AES Operations	1	100%	01-Sep-15 A	01-Sep-15 A		AES Operations																					
OSHB-1220	AES E&C	1	100%	18-Jan-16 A	18-Jan-16 A		AES E&C																					
OSHB-1230	Kiewit	1	100%	18-Jan-16 A	18-Jan-16 A		Kiewit																					
OSHB-1240	AGIC	1	100%	18-Jan-16 A	18-Jan-16 A		AGIC																					
OSHB-1250	US SBU Financial	1	100%	18-Jan-16 A	18-Jan-16 A		US SBU Financial																					
OSHB-1260	US SBU Legal	1	100%	18-Jan-16 A	18-Jan-16 A		US SBU Legal																					
OSHB-1270	US SBU Safety	1	100%	18-Jan-16 A	18-Jan-16 A		US SBU Safety																					
OSHB-1280	US SBU Environmental	1	100%	18-Jan-16 A	18-Jan-16 A		US SBU Environmental																					
OSHB-1290	Supply Chain	1	100%	18-Jan-16 A	18-Jan-16 A		Supply Chain																					
OSHB-1300	US SBU Risk Management	1	100%	18-Jan-16 A	18-Jan-16 A		US SBU Risk Management																					
OSHB-1310	AES West BD	1	100%	18-Jan-16 A	18-Jan-16 A		AES West BD																					
External Stakeholder		1	0%	06-Oct-16	06-Oct-16	202	06-Oct-16, External Stakeholder																					
Wetlands Conservancy		0	0%			0																						
City of HB-1		0	0%			0																						
Southeast Area Neighborhood Committee		0	0%			0																						
CEC/CBO		0	0%			0																						
SCE		1	0%	06-Oct-16	06-Oct-16	202	06-Oct-16, SCE																					
OSHB-1320	Current Contract	1	0%	06-Oct-16	06-Oct-16	202	Current Contract																					
OSHB-1330	Power Purchase Agreement	1	0%	06-Oct-16	06-Oct-16	202	Power Purchase Agreement																					
OSHB-1340	Switchyard	1	0%	06-Oct-16	06-Oct-16	202	Switchyard																					
OSHB-1350	Remediation	1	0%	06-Oct-16	06-Oct-16	202	Remediation																					
OSHB-1360	Real Estate	1	0%	06-Oct-16	06-Oct-16	202	Real Estate																					
SC Gas		0	0%			0																						
SC Gas-1		0	0%			0																						
Plains future owner		0	0%			0																						
SCAQMD		0	0%			0																						
Coastal Commission		0	0%			0																						
HB Fire		0	0%			0																						
Orange County		0	0%			0																						
Caltrans		0	0%			0																						
Intervenors: Locals, CEC personnel		0	0%			0																						
Chamber of Commerce		0	0%			0																						
Huntington by the Sea		0	0%			0																						
Unions		0	0%			0																						
Local elected officials		0	0%			0																						
DTSC		0	0%			0																						
Mills Land & Water Co (Newland Parking Lot)		0	0%			0																						

Actual Level of Effort

Actual Work


Remaining Work

Critical Remaining Work

Milestone

summary

Page 1 of 6



AES HBEP NTP SCHEDULE (CLH) 10-06-16				AES Owner's Schedule										07-Oct-16 14:27														
Activity ID	Activity Name	OD	Percent Complete	Start	Finish	TF	2016				2017				2018				2019				2020				2021	
							Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
	OSHB-1595	Approve WASTE-3 to CEC	5	100%	04-Apr-16 A	07-Apr-16 A																						
	OSHB-1600	Submit WASTE-5 to CEC	30	100%	25-Mar-16 A	25-Mar-16 A																						
	OSHB-1605	Approve WASTE-5 to CEC	5	100%	28-Mar-16 A	07-Apr-16 A																						
	OSHB-1610	Submit WORKER SAFETY-1 to CEC (HB Fire Department)	30	100%	01-Apr-16 A	27-Jul-16 A																						
	OSHB-1615	Approve WORKER SAFETY-1 to CEC (HB Fire Department)	70	100%	04-Apr-16 A	24-Aug-16 A																						
	OSHB-1620	Submit WORKER SAFETY-3 to CEC	16	100%	02-Oct-15 A	02-Oct-15 A																						
	OSHB-1625	Approve WORKER SAFETY-3 to CEC	5	100%	05-Oct-15 A	27-Oct-15 A																						
	OSHB-1630	Submit WORKER SAFETY-4 to CEC	16	100%	18-Sep-15 A	18-Sep-15 A																						
	OSHB-1635	Approve WORKER SAFETY-4 to CEC (HB Fire Department)	5	100%	21-Sep-15 A	09-Oct-15 A																						
	OSHB-1640	Submit WORKER SAFETY-5 to CEC	16	100%	02-Oct-15 A	02-Oct-15 A																						
	OSHB-1645	Approve WORKER SAFETY-5 to CEC	5	100%	03-Oct-15 A	27-Oct-15 A																						
	OSHB-1650	Submit GEN-2 to CBO Master List of NTP CBO Submittals	30	100%	24-Apr-16 A	24-Apr-16 A																						
	OSHB-1655	Approve GEN-2 to CBO Master List of LNTTP CBO Submittals	5	100%	05-Apr-16 A	17-May-16																						
	Utility Construction Risk Management		167	100%	01-Feb-16 A	30-Aug-16 A																						
	Above Grade		99	100%	20-Apr-16 A	30-Aug-16 A																						
	OSHB-1660	Develop Above Grade Utility Termination Identification Plan	20	100%	20-Apr-16 A	12-Jul-16 A																						
	OSHB-1670	Access Interior Tanks and Investigate (Cleaning)	38	100%	13-Jul-16 A	30-Aug-16 A																						
	OSHB-1680	Clean/Cut/Cap Existing Utility Clearance Tanks - AG	42	100%	30-Jun-16 A	26-Aug-16 A																						
	OSHB-1690	Clean/Cut/Cap Existing Utility Clearance Peak Bldg - AG	48	100%	30-Jun-16 A	26-Aug-16 A																						
	Underground		167	100%	01-Feb-16 A	23-Aug-16 A																						
	OSHB-1700	Develop Underground Utility Termination Identification Plan	160	100%	01-Feb-16 A	19-Aug-16 A																						
	OSHB-1710	Clean/Cut/Cap Existing Utility Clearance All - UG	20	100%	12-Aug-16 A	23-Aug-16 A																						
	Environmental Assessment		197	96.44%	14-Sep-15 A	14-Oct-16	196																					
	Asbestos and Lead Paint Surveys		31	100%	14-Sep-15 A	30-Nov-15																						
	OSHB-1720	Site Field Work	7	100%	14-Sep-15 A	22-Sep-15 A																						
	OSHB-1730	Development and Review of Survey Document	31	100%	19-Oct-15 A	30-Nov-15																						
	Soil Sampling & HRA		197	100%	04-Jan-16 A	28-Jun-16 A																						
	OSHB-1740	SCE Approval of Sampling Plan on Triangle Land	5	100%	04-Jan-16 A	19-Jan-16 A																						
	OSHB-1750	Initial Soil Sampling Work	60	100%	11-Jan-16 A	12-Feb-16 A																						
	OSHB-1755	Return for Additional Soil Sample	5	100%	09-May-16 A	13-May-16																						
	OSHB-1760	*DRAFT* Site Characterization Field Work and Report	40	100%	12-Jan-16 A	22-Feb-16 A																						
	OSHB-1765	*FINAL* Site Characterization Field Work and Report	31	100%	09-May-16 A	13-May-16																						
	OSHB-1770	No Remediation required	90	100%	09-May-16 A	13-May-16																						
	OSHB-1780	Submit WASTE-1 to CEC	45	100%	28-Jun-16 A	28-Jun-16 A																						
	Geotechnical Analysis		75	100%	27-Jan-16 A	22-Jun-16 A																						
	OSHB-1790	Meet with Kiewit and confirm schedule	1	100%	27-Jan-16 A	27-Jan-16 A																						
	OSHB-1800	Complete geotechnical work plan	40	100%	28-Jan-16 A	23-Mar-16 A																						
	OSHB-1805	Geotech Work Plan to CBO (FOR INFORMATION ONLY)	1	100%	25-Mar-16 A	25-Mar-16 A																						
	OSHB-1810	Conduct Site Survey / Mobilize	3	100%	21-Mar-16 A	23-Mar-16 A																						
	OSHB-1820	Geotech Field Work	15	100%	23-Mar-16 A	01-Apr-16 A																						
	OSHB-1830	Complete geotech report	30	100%	04-Apr-16 A	22-Jun-16 A																						
	OSHB-1840	No Contamination Found / HRA not Required	7	100%	10-Jun-16 A	10-Jun-16 A																						
	NPDES Requirements		72	100%	07-Apr-16 A	15-Jul-16 A																						
	OSHB-1860	Development of Construction SWPPP	25	100%	07-Apr-16 A	28-Apr-16 A																						
	OSHB-1870	SOIL&WATER- 1: SWPPP to CBO (FOR REVIEW AND COMMENT)	11	100%	29-Apr-16 A	07-Jun-16 A																						
	OSHB-1880	Submit SOIL&WATER-1 to CEC	20	100%	29-Apr-16 A	06-Jun-16 A																						
	OSHB-1885	Approve Soil & Water and SWPPP	15	100%	07-Jun-16 A	15-Jul-16 A																						

Actual Level of Effort

Actual Work


Remaining Work

Critical Remaining Work

Milestone

summary

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AES
the power of being global

AES HBEP NTP SCHEDULE (CLH) 10-06-16						AES Owner's Schedule										07-Oct-16 14:27																			
Activity ID		Activity Name		OD	Percent Complete	Start	Finish	TF	2016					2017					2018				2019				2020				2021				
									Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2								
	Temporary Utilities - Trailers		135	94.81%	20-Apr-16 A	14-Oct-16	86							14-Oct-16, Temporary Utilities - Trailers																					
	OSHB-1890 ID Locations		15	100%	20-Apr-16 A	10-May-16								ID Locations																					
	Service Agreements		120	94.17%	11-May-16 A	14-Oct-16	86							14-Oct-16, Service Agreements																					
	OSHB-1900 SCE 220V/480V Supply		120	94.17%	11-May-16 A	14-Oct-16	86							SCE 220V/480V Supply																					
	OSHB-1910 Internet		90	100%	11-May-16 A	23-Sep-16 A								Internet																					
	OSHB-1920 Phones		90	100%	11-May-16 A	23-Sep-16 A								Phones																					
	OSHB-1930 Water		90	100%	11-May-16 A	14-Sep-16 A								Water																					
	OSHB-1940 Sewage		20	100%	11-May-16 A	08-Jun-16 A								Sewage																					
	Asbestos and Lead Paint Abatement Admin Work		13	100%	01-Feb-16 A	14-Apr-16 A								14-Apr-16 A, Asbestos and Lead Paint Abatement Admin Work																					
	OSHB-1950 Develop Abatement Technical Specs		5	100%	01-Feb-16 A	05-Feb-16 A								Develop Abatement Technical Specs																					
	OSHB-1960 Lead and Asbestos Abatement Plan to CBO (FOR INFORMATION ONLY)		2	100%	08-Feb-16 A	09-Feb-16 A								Lead and Asbestos Abatement Plan to CBO (FOR INFORMATION ONLY)																					
	OSHB-1970 Bid and Award Asbestos and LP Abatement Contractor		8	100%	14-Mar-16 A	23-Mar-16 A								Bid and Award Asbestos and LP Abatement Contractor																					
	OSHB-1980 Submit WASTE-2 form to AQMD and CEC		10	100%	31-Mar-16 A	14-Apr-16 A								Submit WASTE-2 form to AQMD and CEC																					
	OSHB-1990 Complete SCAQMD Notification form - Rule 1403		10	100%	31-Mar-16 A	14-Apr-16 A								Complete SCAQMD Notification form - Rule 1403																					
	Clean and Cap AES and Plains Abandoned Oil Lines and Appurtenances		144	96.53%	16-Nov-15 A	12-Oct-16	88							12-Oct-16, Clean and Cap AES and Plains Abandoned Oil Lines and Appurtenances																					
	OSHB-2000 Develop Specification for Work		10	100%	16-Nov-15 A	06-May-16								Develop Specification for Work																					
	OSHB-2010 Bid and Award Contract - Procurement		10	100%	29-Apr-16 A	27-Jun-16 A								Bid and Award Contract - Procurement																					
	OSHB-2020 Pig and Cap Oil Lines		27	100%	25-Jul-16 A	19-Aug-16 A								Pig and Cap Oil Lines																					
	OSHB-2030 Development of Summary Report		5	0%	06-Oct-16	12-Oct-16	88							Development of Summary Report																					
	Field Lead and Asbestos Abatement Work		108	100%	02-May-16 A	19-Aug-16 A								19-Aug-16 A, Field Lead and Asbestos Abatement Work																					
	Peaker Building, Fuel Tanks		33	100%	02-May-16 A	08-Jul-16 A								08-Jul-16 A, Peaker Building, Fuel Tanks																					
	OSHB-2040 Field Mobilization		3	100%	02-May-16 A	11-May-16								Field Mobilization																					
	OSHB-2050 Field Abatement Work		30	100%	12-May-16 A	08-Jul-16 A								Field Abatement Work																					
	AES and Plain Abandoned Oil Lines and Appurtenances		27	100%	25-Jul-16 A	19-Aug-16 A								19-Aug-16 A, AES and Plain Abandoned Oil Lines and Appurtenances																					
	OSHB-2060 Field Abatement Work		27	100%	25-Jul-16 A	19-Aug-16 A								Field Abatement Work																					
	OSHB-2070 Notify AQMD/CEC of Abatement Completion		0	100%		19-Aug-16 A								Notify AQMD/CEC of Abatement Completion																					
	NTP (Prep & Execution)		612	46.93%	06-Apr-15 A	03-Jan-18	787							03-Jan-18, NTP (Prep & Execution)																					
	OSHB-2080 CEC Issuance of NTP		0	100%	10-Aug-16 A									CEC Issuance of NTP, 10-Aug-16 A																					
	OSHB-2090 NTP Scope Completion		0	0%		28-Jul-17*	-9							NTP Scope Completion																					
	Office Trailers		5	100%	01-Sep-16 A	14-Sep-16 A								14-Sep-16 A, Office Trailers																					
	OSHB-2100 CBO Trailer Established		5	100%	01-Sep-16 A	14-Sep-16 A								CBO Trailer Established																					
	OSHB-2110 AES Trailer		3	100%	01-Sep-16 A	14-Sep-16 A								AES Trailer																					
	Construction Fencing		180	100%	21-Mar-16 A	13-May-16								13-May-16 A, Construction Fencing																					
	OSHB-2120 Submit VIS-3 to CEC (NTP)		60	100%	21-Mar-16 A	03-May-16								Submit VIS-3 to CEC (NTP)																					
	OSHB-2150 Install 8' Fence Screening Material		5	100%	03-May-16 A	13-May-16								Install 8' Fence Screening Material																					
Demolition		177	74.58%	20-Apr-16 A	07-Dec-16	158							07-Dec-16, Demolition																						
Demolition - Administrative Work		109	100%	20-Apr-16 A	03-Aug-16 A								03-Aug-16 A, Demolition - Administrative Work																						
OSHB-2160 Complete Demolition Specification		30	100%	20-Apr-16 A	06-Jun-16 A								Complete Demolition Specification																						
OSHB-2170 Demolition Specification to CBO (FOR REVIEW AND COMMENT)		20	100%	01-Jun-16 A	06-Jul-16 A								Demolition Specification to CBO (FOR REVIEW AND COMMENT)																						
OSHB-2180 Procure Demo Contractor		20	100%	01-Jul-16 A	18-Jul-16 A								Procure Demo Contractor																						
OSHB-2190 Demo Contractor Develop/Submit Field Work Plan		15	100%	21-Jul-16 A	03-Aug-16 A								Demo Contractor Develop/Submit Field Work Plan																						
OSHB-2200 Full Demolition Pkg to CBO (FOR REVIEW AND COMMENT)		20	100%	27-Jul-16 A	27-Jul-16 A								Full Demolition Pkg to CBO (FOR REVIEW AND COMMENT)																						
Demo AES and Plains Abandoned Oil Lines		88	48.86%	15-Aug-16 A	07-Dec-16	158							07-Dec-16, Demo AES and Plains Abandoned Oil Lines																						
OSHB-2210 Coordination with Wetlands Stakeholders		3	100%	15-Aug-16 A	24-Aug-16 A								Coordination with Wetlands Stakeholders																						
OSHB-2220 Mobilize Demo Crew & Equipment		17	100%	15-Aug-16 A	30-Aug-16 A								Mobilize Demo Crew & Equipment																						
OSHB-2230 Demo Abandoned Oil Lines (Plains)		30	0%	27-Oct-16	07-Dec-16	78							Demo Abandoned Oil Lines (Plains)																						
OSHB-2235 Demo Abandoned Oil Lines (AES)		5	15%	29-Aug-16 A	12-Oct-16	92							Demo Abandoned Oil Lines (AES)																						

Actual Level of Effort

Actual Work


Remaining Work

Critical Remaining Work

Milestone

summary

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AES HBEP NTP SCHEDULE (CLH) 10-06-16			AES Owner's Schedule				07-Oct-16 14:27																					
Activity ID	Activity Name	OD	Percent Complete	Start	Finish	TF	2016				2017				2018				2019				2020				2021	
							Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
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AES HBEP NTP SCHEDULE (CLH) 10-06-16				AES Owner's Schedule										07-Oct-16 14:27																							
Activity ID		Activity Name		OD	Percent Complete	Start	Finish	TF	2016					2017					2018				2019				2020				2021						
									Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2										
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	<div></div> OSHB-2750	Internal and External Landscaping Feasibility Study	5	100%	15-Oct-15 A	03-Jun-16 A		<div></div> Internal and External Landscaping Feasibility Study																													
	<div></div> OSHB-2760	Landscape Design	30	0%	06-Oct-16	16-Nov-16	153						<div></div> Landscape Design																								
	<div></div> OSHB-2770	Landscape Advertise Bid Package	20	0%	17-Nov-16	14-Dec-16	153						<div></div> Landscape Advertise Bid Package																								
	<div></div> Retirement Schedule		268	0%	31-Dec-19	07-Jan-21	0																														
	<div></div> Unit 1		5	0%	31-Dec-19	06-Jan-20	263																														
	<div></div> OSHB-5000	Unit 1 Out of Service	0	0%		31-Dec-19*	0																														
	<div></div> OSHB-5010	Demo Unit 1	5	0%	31-Dec-19	06-Jan-20	263																														
	<div></div> Unit 2		5	0%	31-Dec-20	07-Jan-21	0																														
	<div></div> OSHB-5100	Unit 2 Out of Service	0	0%		31-Dec-20*	0																														
	<div></div> OSHB-5110	Demo Unit 2	5	0%	01-Jan-21	07-Jan-21	0																														
	<div></div> Sync Condenser Unit 3		5	0%	31-Dec-19	07-Jan-20	262																														
	<div></div> OSHB-5200	Sync Condenser 3 Out of Service	0	0%		31-Dec-19*	0																														
	<div></div> OSHB-5210	Demo Sync Condenser 3	5	0%	01-Jan-20	07-Jan-20	262																														
	<div></div> Sync Condenser Unit 4		5	0%	31-Dec-19	07-Jan-20	262																														
	<div></div> OSHB-5300	Sync Condenser 4 Out of Service	0	0%		31-Dec-19*	0																														
	<div></div> OSHB-5310	Demo Synch Condenser 4	5	0%	01-Jan-20	07-Jan-20	262																														
	<div></div> New 2X1		244	0%	03-Dec-18	07-Nov-19	0																														
	<div></div> OSHB-6000	Backfeed Date	0	0%	03-Dec-18*		0																														
	<div></div> OSHB-6010	First Fire Date	5	0%	01-Nov-19*	07-Nov-19	0																														
	<div></div> Poseidon		0	0%			0																														
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Actual Level of Effort Actual Work

Remaining Work Critical Remaining Work

Milestone summary

Page 6 of 6

AESthe power of being global

Appendix B

Key Events

Key Event List

Project: AES Huntington Beach Energy Project

Docket #: 12-AFC-02

EVENT DESCRIPTION	DATE
Certification Date	Oct 29, 2014
Petition to Amend Submitted	Sept, 17 2015
POWER PLANT SITE ACTIVITIES	
Asbestos and Lead Surveys	Sept 22, 2015
Phase I - Soil Sampling - HRA	Feb 12, 2016
Site Survey and LIDAR Scan	Mar 23, 2016
GeoTech Field Work	April 1, 2016
AQMD Notification for Abatement	April 12, 2016
Phase 2 - Soil Sampling - HRA	May 10, 2016
Lead and asbestos Abatement	May 11, 2016
Vis-3 Phase 1 - Fence screening material	May 11, 2016
Demolitions Specification	Jun 6, 2016
LNTF Owners scope	Aug 10, 2016
Clean and Cap Fuel Oil Lines	Jul 25, 2016
Office Trailers (CBO and AES)	Sept 2, 2016
Mobilizations for Demo	Aug 15, 2016
Demo Fuel Oil Tank	Aug 29, 2016
Demo Oil Lines and 66KV	Oct 3, 2016
Demo Fuel oil Tank Final	Oct 31, 2016
Demo Peaker Building	Oct 12, 2016
Site Remediation (If required)	Mar 10, 2017
Removal of Berms	Apr 21, 2017
Issue of NTP for Construction	June 1, 2017

Appendix C

CEC Compliance Matrix

Conditions of Certification	Title	Lead Response Party	Lead Person	Internal Draft Date	Planned Date to CEC	Date sent to CEC, CBO, or Agency	CEC Status	Actions/Comments
AQ-SC1	Air Quality Construction Mitigation Manager (AQCM)	AES				4/1/2016	Approved	9/28/2015. Submitted with Keith McGregor and Michael Hughes resume for CEC approval 4/1/16. Approved 4/5/16. Submitted resumes for Peter Torrey, Mark Smith, and Charlene He for approval 8/17/16. Approved 8/17/16.
AQ-SC2	Air Quality Construction Mitigation Plan (AQCMP)	CH2MHill				10/8/2015	Approved	Review status with CEC on next call. AES to lead. 3/15/16
AQ-SC6	Construction Particulate Matter Mitigation Plan	CH2MHill				6/28/2016	Approved	Submitted to CEC for approval 6/28/16. Same submittal re-submitted on 7/5/16. Approved 7/12/16.
BIO-1	Appointment and Qualifications of Designated Biologist	CH2MHill				9/18/2015	Approved	9/25/2015
BIO-3	Appointment and Qualifications of Biological Monitor	CH2MHill				9/18/2015	Approved	9/25/2015. Submitted 9/1/16 with Ava Eden and Chris Taylor's resumes for CEC approval. Approved 9/16/16.
BIO-5	Biological Resources Worker Environmental Awareness Program (WEAP)	CH2MHill				10/2/2015	Approved	Combined CUL, BIO, and Paleo. CEC requested translation plan. No translations are currently planned or necessary. CH2M Hill currently responding to 10/12/15 CEC email. Based on 10/22/15 conversation with CEC CPM Eric Veerkamp, he will go back to his staff to determine if this is necessary (10/26/15). Pending AES Review. AES has decided not to provide a Spanish translation. CEC provided comments on 11/20/15. CEC comments provided the CH2M on 1/27/16. CH2M to provide price for voice over in spanish. Once Cul-1 is approved, request approval for WEAP. CH2M to send WEAP for review by 2/10/16. CH2M submitted WEAP to AES 2-10-16. AES provided comments 2-12-15. CH2M addressing comments and will return final to AES by COB 2-15-16. Submitted to CEC for approval 3/9/16. CEC provided comments on 3/16/1, CH2M addressing comments. CH2M submitted to AES for review 4/15/16. Re-submitted to CEC for approval 4/20/16. CEC approval 5/3/16.
BIO-6	Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP)	CH2MHill				3/9/2016	Approved	CH2M Hill to provide AES data request and internal AES review draft date in Monday, 10/5 call. Still pending 10/5. Draft document submitted by CH2MHill 10/30/15. For AES review and comment. AES and Talperion provided comment on 12/03/15. CH2M Hill currently addressing comments. CH2M to send for review by 2/10/16. AES to provide comments to figures by 2/9/16. AES to review and provide comments by 2/19/16. CH2M submitted BRMIMP to AES 2-10-16. AES will review and provide comments mid-week (2-17-16). CH2M submitted final draft on 2/26/16. Submitted to CEC for approval 3/9/16. Approved 3/23/16
BIO-8	Pre-Construction Nest Surveys and Impact Minimization Measures for Breeding Birds	CH2MHill					Approved	Submitted Melissa Fowler's resume to USFWS and CDFW 4/8/16. CDFW submitted comments 4/8/16. CH2M addressing comments and will provide for review by 4/11/16. Re-submitted to USFWS 4/12/16. USFWS provided comments back 4/12/16, CH2M addressing comments. Provided comments to USFWS and added Gary Santolo's resume to accompany Melissa Fowler on 4/14/16. USFWS provided comments back 4/15/16, CH2M addressing comments. Assessments and survey are put on hold until mid-June. First survey was conducted on 6/6/2016, notification was sent to CEC on 6/7/16. Approved 6/9/16.
COM-4	Pre-Construction Matrix and Tasks Prior to Start of Construction	CH2MHill					Approved	
CUL-1	Appointment and Qualifications of Cultural Resources Specialist (CRS)	CH2MHill				9/18/2015	Approved	CEC staff requested that CH2M Hill revise the resumes to reflect the qualifications defined by the COC and DOI standard. Mason tasked on 10/20 to revise resumes per CEC memo. CH2MHill submitted amended documents on 10/28/15. Resumes resubmitted to CEC on 12/9/15. Review status with CEC on next call. CEC provided comments on 4/4/16. CH2M addressing comments and provide updated resumes 4/18/16. CH2M provided resumes to AES for review 4/18/16. CH2M provided to AES for review 4/20/16, AES provided comments back, CH2M to submit for review 4/20/16. Re-submitted to CEC for approval 4/22/16. CEC provided comments 5/23/16, CH2M addressing comments, provide to AES by 6/7/16. Responded to CEC's comments 6/9/2016 regarding Natalie Lawson's resume, waiting on approval. CH2M addressing comments from CEC based on concall with CEC Cultural Staff on 6/13/16. Responded to CEC's comments on 6/16/16, waiting on approval. Approved 6/17/2016.
CUL-2	Information to be Provided to CRS	CH2MHill				9/18/2015	Approved	Tied to CUL-1. Status to be updated after CUL-1 review with CEC. Review status with CEC on next call. Waiting on approval of CUL-1, once CUL-1 is approved all other CUL COC's should fall into place. Approved 6/30/16.

Color Code Key

Not submitted to CEC.

Submitted to CEC;
pending approval.HBEP response to CEC
questions pending.

CEC approved.

Conditions of Certification	Title	Lead Response Party	Lead Person	Internal Draft Date	Planned Date to CEC	Date sent to CEC, CBO, or Agency	CEC Status	Actions/Comments
CUL-3	Cultural Resources Mitigation and Monitoring Plan (CRMMP)	CH2MHill				3/9/2016	CEC Review	CH2M Hill to provide AES data request and internal AES review draft date in Monday, 10/5 call. Still pending 10/5. Draft submitted by CH2MHill on 10/30/15. For AES review and comment. AES and Talperion submitted comments to BRMIMP on 12/3/15. Review of this document was halted due to similarity with BRMIMP comments. CH2M Hill is currently addressing comments to BRMIMP (which should also address this document). CH2M to send WEAP for review by 2/10/16. AES to review and provide comments by 2/19/16. CH2M submitted CRMMP to AES 2-10-16. AES will review and provide comments mid-week (2/17/16). AES to provide comments by 2/24/16. CH2M submitted final draft on 2/25/16. Submitted to CEC for approval 3/9/16. CEC provided comments 4/11/16. CH2M addressing comments and to submit for review 4/19/16. AES reviewing document, will provide to CH2M by COB 6/6/16. Re-submitted to CEC for approval 6/9/2016. CEC provided comments on 7/6/16. CH2M to provide CRMMP to AES 7/12/16. AES provided comment to CH2M on 7/19/16. Re-submitted to CEC for approval 7/21/16. CEC provided comments on 8/1/16. Re-submitted to CEC for approval 8/1/16. Received approval from Gabriel Roark on 8/1/16. Approved 8/3/16.
CUL-5	Cultural Resources Worker Environmental Awareness Program (WEAP)	CH2MHill				10/2/2015	Approved	Combined CUL, BIO, and Paleo. See BIO-6 status above. CEC provided comments on 4/8/16. CH2M addressing comments and will submit for review by 4/12/16. CH2M submitted to AES for review 4/15/16. RE-submitted to CEC for approval 4/20/16. CEC provided comments on 6/14/16. CH2M addressing comments, revised documents to AES by COB 6/20/2016. Re-submitted to CEC for approval 6/27/16. Approved 6/28/16.
CUL-6	Undiscovered Cultural Resources	AES				10/2/2015	Approved	Received electronic form from CEC. Submitted. CEC advise this is complete.
CUL-7	Power of CRS	AES				9/18/2015	Approved	Tied to CUL-1. Review status with CEC. Waiting on approval of CUL-1, once CUL-1 is approved all other CUL COC's should fall into place. Approved 6/30/16.
GEO-2	Compliance with City of Huntington Beach Municipal Code Section 17.04.085	AES					Approved	CEC provided comments on 6/16/2016. AES addressing comments. AES responded to CEC's comments 6/23/16. CEC provided comments on 7/7/16. AES addressed comments to CEC on 7/14/16. AES sent reports to HBFD on 7/20/16. Approved 8/29/16.
HAZ-7	Hazardous Materials	AES				9/18/2015	Approved	9/24/2015
NOISE-1	Public Notification Process	AES					Approved	CH2M Hill sent property owner's notification list. AES to establish 800 # for complaints and AES procedure for monitoring and responding to complaints. CH2MHill can do this but needs 7-8 working days prior to start date to get information to get together for mailing. Powell to work with Stephen to determine date (AES to Complete). Submitted to CEC for approval 5/31/16. Approved 7/13/16.
NOISE-3	Employee Noise Control Program	AES					Approved	AES to review existing worker safety noise control and prepare submittal specific to LNTF as appropriate. AES to Complete. Submitted to CEC for approval 6/27/16. Approved 7/13/16.
NOISE-6	Construction Restrictions	AES				9/18/2015	Approved	Acknowledgement of hours restriction sent. Noise that draws a legitimate complaint (for the definition of "legitimate complaint", see the footnote in Condition of Certification NOISE-2). Talperion to check status with CEC. 3/15/16
PAL-1	Appointment and Qualifications of Paleontological Resource Specialist (PRS)	CH2MHill				9/18/2015	Approved	10/19/2015
PAL-2	Documents Provided to the PRS	CH2MHill				9/18/2015	Approved	10/19/2015
PAL-3	Paleontological Resources Monitoring and Mitigation Plan (PRMMP)	CH2MHill				3/9/2016	Approved	CH2M Hill to provide AES data request and internal AES review draft date in Monday, 10/5 call. Still pending 10/5. Submitted by CH2MHill on 10/30/15. For AES review and comment. Review of this document was halted due to similarity with BRMIMP comments. CH2M Hill is currently addressing comments to BRMIMP (which should also address this document). CH2M to send for review by 2/10/16. AES to review and provide comments by 2/19/16. CH2M submitted PRMMP to AES 2-10-16. AES will review and provide comments mid-week (2-17-16). CH2M submitted final draft on 2/25/16. Submitted to CEC for approval 3/9/16. Approved 4/4/16

Conditions of Certification	Title	Lead Response Party	Lead Person	Internal Draft Date	Planned Date to CEC	Date sent to CEC, CBO, or Agency	CEC Status	Actions/Comments
PAL-4	Preparation of Worker Environmental Awareness Program (WEAP)	CH2MHill				10/2/2015	Approved	10/26/2015. Approved 4/4/16 based on WEAP submittal from 3/9/16.
SOIL&WATER-1	NPDES Construction Permit Requirements	AES					Approved	No submittals identified and 9/11 meeting, but CBO identified as requirement. Current LNTF plan will leave operational SWPPP in place through 2015-16 season. Submitted to CEC for approval 6/7/2016. Approved 7/13/2016.
SOIL&WATER-2	Hydrostatic Water Discharge Permit Requirements	AES	Powell					No Hydrostatic water discharge expected during LNTF.
VIS-3	Long-Term Construction Screening, Landscape Protection, and Site Restoration Plan - Project Demolition, Construction, and Commissioning	AES				4/1/2016	Approved	CH2M Hill preparing draft plan. Team agreed this is focused and limited to LNTF scope and revised plan is underway. Once HBEP defines LNTF plan & scope, we will consult with CEC. Must review proposed plan and fence construction with O'Kane once schedule is complete. Robert to create a draft narrative includes photos. Tracy to layout base map. CH2MHill submitted draft document on 1/18/16. AES, Talperion, and CH2M Hill to schedule a meeting the week of Feb 1st to discuss. CH2M to submit internal draft to AES by 2/12/16. AES to review and provide comments by 2/19/16. AES to schedule meeting with Jenifer and CH2M for Wed 2/24/16. CH2M to provide draft for AES review 3/7/16. CH2M submitted 2 version of draft to AES for review 3/11/16. AES to provide comments to CH2M today 3/14/16. AES to send proposal to CEC 3/28/16. Submitted to CEC for approval 4/1/16. Received comments from CEC 4/7/16 via con call. Re-submitted for approval 4/12/16. CEC provided comments 4/22/16. CH2M addressing comments, to provide for review by 4/27/16. Re-submitt to CEC for approval 4/27/16. CEC approval 5/3/16
WASTE-1	Waste Management	AES				6/28/2016	Approved	Pending assessment results. Prior to geotech work. Establish due date after assessment. AES to provide. Submitted to CEC for approval 6/28/16. Approved 7/13/2016.
WASTE-2	Waste Management	AES					Approved	Asbestos Demolition Notification Form. Pending contractor selection and completion of AQMD notification form. AES to provide. Submitted to CEC on 4/19/16, no comment required. Approved 5/23/16
WASTE-3	Registered Engineer or Geologist Resume	CH2MHill				4/1/2016	Approved	10/27/2015. Submitted with Sally Drinkard's resume for CEC approval 4/1/16. Approved 4/7/16
WASTE-5	Waste Management	AES				3/25/2016	Approved	CH2M Hill draft Waste Management plan underway. Plan will address the entire project. Submittal by CH2MHill on 10/28/15. For AES review and comment. AES to resubmit comments. CH2M to review comments from AES and submit by 2/10/16. AES to review and provide comments by 2/24/16. AES to review and provide comments by 3/7/16. Submitted to CEC for approval 3/25/16. Approved 4/7/16
WORKER SAFETY-1	Project Construction Safety and Health Program	AES				4/1/2016	Approved	WEAP - Prepared by Ron Butcher for AES; incorporate operating site program. Submittal pending AES signature. AES submittal to CEC anticipated 11/2/15. AES evaluating comments from Fire Department. AES to hear back from Fire Department by 2/26/16. Submitted to CEC for approval 4/1/16. CEC provided comments 4/12/16, AES addressing comments. RE-submitted to CEC for approval 4/20/16. CEC provided comments 4/27/16, AES addressing comments. Re-submitted for CEC approval 5/6/16. CEC approval 5/9/16. Submitted Demo Site Specific H&S Plan for CEC approval 7/27/16. Approved 8/4/16.
WORKER SAFETY-3	Construction Safety Supervisor	AES				9/18/2015	Approved	10/5/2015
WORKER SAFETY-4	Safety Monitor						Approved	10/6/2015
WORKER SAFETY-5	Automatic External Defibrillator	AES				9/18/2015	Approved	10/6/2015

Appendix D

CBO Documentation

Transmittal Report

Transmittal Number: CBO-005

Date: 9/12/2016

Project: Huntington Beach Energy Project – Owner’s Scope

Package: STRUC-1 Rev 0

Subject: GSD Construction Trailer Foundation Design

Due Date: 9/12/2016

Comments: Documents submitted to CBO for review

Deliverable #	Title	Revision	Issue Date
STRUC-1.4	GSD Construction Trailer Foundation Design	0	9/12/2016

Transmittal Report

Transmittal Number: CBO-006

Date: 9/12/2016

Project: Huntington Beach Energy Project – Owner’s Scope

Package: STRUC-1 Rev 0

Subject: Utility Isolation Verification

Due Date: 9/12/2016

Comments: Documents submitted to CBO for review

[illegible]

HUNTINGTON BEACH ENERGY PROJECT COMPLIANCE MATRIX BASED ON CEC 12-AFC-02

Critical

				Color code key:	Demolition Item	Construction	Closeout Item	Date Submitted to CEC or Agency	Date Approved by CEC or Agency
Cond. #	Sort Code	Submittal	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Targeted Internal Finish Date	Date sent to CEC, CBO or agency	CBO Status
CIVIL-01	CONSTRUC TION		The project owner shall submit to the CBO for review and approval the following: 1. Design of the proposed drainage structures and the grading plan. 2. An erosion and sedimentation control plan. 3. A construction storm water pollution prevention plan (SWPPP). 4. Related calculations and specifications, signed and stamped by the responsible civil engineer. 5. Soils, geotechnical, or foundation investigations reports required by the 2013 CBC.	At least 15 days (or project owner- and CBO-approved alternative time frame) prior to the start of site grading the project owner shall submit the documents described above to the CBO for design review and approval. In the next monthly compliance report following the CBO's approval, the project owner shall submit a written statement certifying that the documents have been approved by the CBO.	At least 15 days (or project owner- and CBO-approved alternative time frame) prior to the start of site grading.		9/14/2016		
CIVIL-02	CONSTRUC TION		The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible soils engineer, geotechnical engineer, or the civil engineer experienced and knowledgeable in the practice of soils engineering identifies unforeseen adverse soil or geologic conditions. The project owner shall submit modified plans, specifications, and calculations to the CBO based on these new conditions. The project owner shall obtain approval from the CBO before resuming earthwork and construction in the affected area.	The project owner shall notify the CPM within 24 hours, when earthwork and construction is stopped as a result of unforeseen adverse geologic/soil conditions. Within 24 hours of the CBO's approval to resume earthwork and construction in the affected areas, the project owner shall provide to the CPM a copy of the CBO's approval.	Within 24 hours of construction halt due to geologic conditions.				
CIVIL-03	CONSTRUC TION		The project owner shall perform inspections in accordance with the 2013 CBC. All plant site-grading operations, for which a grading permit is required, shall be subject to inspection by the CBO. If, in the course of inspection, it is discovered that the work is not being performed in accordance with the approved plans, the discrepancies shall be reported immediately to the resident engineer, the CBO, and the CPM. The project owner shall prepare a written report, with copies to the CBO and the CPM, detailing all discrepancies, non-compliance items, and the proposed corrective action.	Within five days of the discovery of any discrepancies, the resident engineer shall transmit to the CBO and the CPM a non-conformance report (NCR), and the proposed corrective action for review and approval. Within five days of resolution of the NCR, the project owner shall submit the details of the corrective action to the CBO and the CPM. A list of NCRs, for the reporting month, shall also be included in the following monthly compliance report.	Within 5 days of discovery of any discrepancies.				
CIV-04	CLOSE OUT		After completion of finished grading and erosion and sedimentation control and drainage work, the project owner shall obtain the CBO's approval of the final grading plans (including final changes) for the erosion and sedimentation control work. The civil engineer shall state that the work within his/her area of responsibility was done in accordance with the final approved plans.	Within 30 days (or project owner- and CBO-approved alternative time frame) of the completion of the erosion and sediment control mitigation and drainage work, the project owner shall submit to the CBO, for review and approval, the final grading plans (including final changes) and the responsible civil engineer's signed statement that the installation of the facilities and all erosion control measures were completed in accordance with the final approved combined grading plans, and that the facilities are adequate for their intended purposes. The project owner shall submit a copy of the CBO's approval to the CPM in the next monthly compliance report.	Within 30 days (or project owner- and CBO-approved alternative time frame) of the completion of the erosion and sediment control mitigation and drainage work.				
ELEC-01	DEMO		Prior to the start of any increment of electrical construction for all electrical equipment and systems 110 Volts or higher (see a representative list, below) the project owner shall submit, for CBO design review and approval, the proposed final design, specifications, and calculations. Upon approval, the above listed plans, together with design changes and design change notices, shall remain on the site or at another accessible location for the operating life of the project. The project owner shall request that the CBO inspect the installation to ensure compliance with the requirements of applicable LORS. All transmission facilities (lines, switchyards, switching stations, and substations) are handled in conditions of certification in the TRANSMISSION SYSTEM ENGINEERING section of this document.	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of each increment of electrical construction, the project owner shall submit to the CBO for design review and approval the above listed documents. The project owner shall include in this submittal a copy of the signed and stamped statement from the responsible electrical engineer attesting compliance with the applicable LORS, and shall send the CPM a copy of the transmittal letter in the next monthly compliance report.	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of each increment of electrical construction.				
		Temporary Power for Trailers							KW to do inspection on temp. power set up at Peaker Building on 5/19/16
		Design of Power Connection					8/24/2016	8/27/2016	APPROVED
		Installation of Power Connection							
		Temporary Power for Demolition Activities							APPROVED

Critical ✓	Cond. #	Sort Code	Submittal	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Targeted Internal Finish Date	Date sent to CEC, CBO or agency	CBO Status
	GEN-01	CLOSE OUT		The project owner shall design, construct, and inspect the project in accordance with this Decision and the 2013 California Building Standards Code (CBSC), also known as Title 24, California Code of Regulations, which encompasses the California Building Code (CBC), California Building Standards Administrative Code, California Electrical Code, California Mechanical Code, California Plumbing Code, California Energy Code, California Fire Code, California Code for Building Conservation, California Reference Standards Code, and all other applicable engineering LORS in effect at the time initial design plans are submitted to the CBO for review and approval (the CBSC in effect is the edition that has been adopted by the California Building Standards Commission and published at least 180 days previously).	Within 30 days following receipt of the certificate of occupancy, the project owner shall submit to the CPM a statement of verification, signed by the responsible design engineer, attesting that all designs, construction, installation, and inspection requirements of the applicable LORS and the Energy Commission's decision have been met in the area of facility design. The project owner shall provide the CPM a copy of the certificate of occupancy within 30 days of receipt from the CBO.	With 30 days after receipt of Certificate of Occupancy				
	GEN-02	DEMO		Before submitting the initial engineering designs for CBO review, the project owner shall furnish the CPM and the CBO with a schedule of facility design submittals, and master drawings and master specifications list. The master drawings and master specifications list shall contain a list of proposed submittal packages of designs, calculations, and specifications for major structures, systems, and equipment, including the architectural visual enhancement specified in the VISUAL RESOURCES section. Major structures, systems, and equipment are structures and their associated components or equipment that are necessary for power production, costly or time consuming to repair or replace, are used for the storage, containment, or handling of hazardous or toxic materials, or could become potential health and safety hazards if not constructed according to applicable engineering LORS. The schedule shall contain the date of each submittal to the CBO.	At least 60 days (or a project owner- and CBO-approved alternative time frame) prior to the start of rough grading, the project owner shall submit to the CBO and to the CP2. Major structures and equipment shall be added to or deleted from the list only with CPM approval. The project owner shall provide schedule updates in the monthly compliance report.M the schedule, and the master drawings and master specifications list of documents to be submitted to the CBO for review and approval. These documents shall be the pertinent design documents for the major structures, systems, equipment, and the architectural enhancement features defined above in Condition of Certification GEN-2.	At least 60 days (or a project owner- and CBO-approved alternative time frame) prior to the start of rough grading.				KW to talk with TP and JW on timing and submittals what submittals will demo contractor provide to CBO for review?
	GEN-03	DEMO		The project owner shall make payments to the CBO for design review, plan checks, and construction inspections, based upon a reasonable fee schedule to be negotiated between the project owner and the CBO. These fees may be consistent with the fees listed in the 2013 CBC, adjusted for inflation and other appropriate adjustments; may be based on the value of the facilities reviewed; may be based on hourly rates; or may be otherwise agreed upon by the project owner and the CBO.	The project owner shall make the required payments to the CBO in accordance with the agreement between the project owner and the CBO.	The project owner shall send 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.				COMPLETED / on-going
	GEN-04	DEMO		Prior to the start of rough grading, the project owner shall assign a California- registered architect, or a structural or civil engineer, as the resident engineer (RE) in charge of the project.	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of rough grading, the project owner shall submit to the CBO for review and approval, the resume and registration number of the RE and any other delegated engineers assigned to the project. The project owner shall notify the CPM of the CBO's approvals of the RE and other delegated engineer(s) within five days of the approval.	At least 30 days prior to the start of rough grading.				RE (AES Person) shall be named at time of rough grading. Rough grading is not included in demo.
	GEN-05	CONSTRUC TION		Prior to the start of rough grading, the project owner shall assign at least one of each of the following California registered engineers to the project: a civil engineer; a soils, geotechnical, or civil engineer experienced and knowledgeable in the practice of soils engineering; and an engineering geologist.	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of rough grading, the project owner shall submit to the CBO for review and approval, resumes and registration numbers of the responsible civil engineer, soils (geotechnical) engineer and engineering geologist assigned to the project.	At least 30 days prior to the start of rough grading.				
	GEN-06	CONSTRUC TION		Prior to the start of an activity requiring special inspection, including prefabricated assemblies, the project owner shall assign to the project, qualified and certified special inspector(s) who shall be responsible for the special inspections required by the 2013 CBC.	At least 15 days (or project owner- and CBO-approved alternative time frame) prior to the start of an activity requiring special inspection, the project owner shall submit to the CBO for review and approval, with a copy to the CPM, the name(s) and qualifications of the certified weld inspector(s), or other certified special inspector(s) assigned to the project to perform one or more of the duties set forth above.	At least 15 days (or project owner- and CBO-approved alternative time frame) prior to the start of an activity requiring special inspection.				
	GEN-07	CONSTRUC TION		If any discrepancy in design and/or construction is discovered in any engineering work that has undergone CBO design review and approval, the project owner shall document the discrepancy and recommend required corrective actions. The discrepancy documentation shall be submitted to the CBO for review and approval. The discrepancy documentation shall reference this condition of certification and, if appropriate, applicable sections of the CBC and/or other LORS.	The project owner shall transmit a copy of the CBO's approval of any corrective action taken to resolve a discrepancy to the CPM in the next monthly compliance report. If any corrective action is disapproved, the project owner shall advise the CPM, within five days, of the reason for disapproval and the revised corrective action to obtain CBO's approval.	The project owner shall transmit a copy of the CBO's approval or disapproval solve a discrepancy to the CPM within 15 days. If disapproved, the project owner shall advise the CPM, within five days, the reason for disapproval, and the revised corrective action to obtain CBO's approval.				

Critical	Cond. #	Sort Code	Submittal	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Targeted Internal Finish Date	Date sent to CEC, CBO or agency	CBO Status
	GEN-08	CLOSE OUT		The project owner shall obtain the CBO's final approval of all completed work that has undergone CBO design review and approval. The project owner shall request the CBO to inspect the completed structure and review the submitted documents. The project owner shall notify the CPM after obtaining the CBO's final approval. The project owner shall retain one set of approved engineering plans, specifications, and calculations (including all approved changes) at the project site or at another accessible location during the operating life of the project. Electronic copies of the approved plans, specifications, calculations, and marked-up as-builts shall be provided to the CBO for retention by the CPM.	Within 15 days of the completion of any work, the project owner shall submit to the CBO, with a copy to the CPM, in the next monthly compliance report,(a) a written notice that the completed work is ready for final inspection, and (b) a signed statement that the work conforms to the final approved plans. After storing the final approved engineering plans, specifications, and calculations described above, the project owner shall submit to the CPM a letter stating both that the above documents have been stored and the storage location of those documents.	CPM. The project owner shall transmit a copy of the CBO's approval or disapproval of any corrective				
	GEO-01	CONSTRUC TION		A Soils Engineering Report as required by Section 1803 of the California Building Code (CBC 2013), shall specifically include laboratory test data, associated geotechnical engineering analyses, and a thorough discussion of seismicity; liquefaction; dynamic compaction; compressible soils; corrosive soils; and tsunami. In accordance with CBC 2013, the report should also include recommendations for ground improvement and/or foundation systems necessary to mitigate these potential geologic hazards, if present. The project owner shall conduct a geotechnical investigation that identifies expected dewatering volumes and the spatial extent of drawdown effects of that dewatering. If the investigation shows that dewatering is likely to affect nearby wetlands or environmentally sensitive habitat areas, mitigation measures shall be incorporated into the final design plans required pursuant to Condition of Certification GEN-02.	The project owner shall include in the application for a grading permit a copy of the Soils Engineering Report which addresses the potential for strong seismic shaking; liquefaction; dynamic compaction; settlement due to compressible soils; corrosive soils; and tsunami, and a summary of how the results of the analyses were incorporated into the project foundation and grading plan design for review and comment by the Chief Building Official (CBO). A copy of the Soils Engineering Report, application for grading permit and any comments by the CBO are to be provided to the CPM at least 30 days prior to grading.	action taken to resolve a discrepancy to the CPM within 15 days. If disapproved, the project owner shall				
	✓ GEO-02	CONSTRUC TION		The project owner shall comply with the requirements of Huntington Beach Municipal Code Section 17.04.085 to ensure the existing and previously identified abandoned gas well on the site, and any additional wells that may be identified during grading and construction, are appropriately mitigated and made safe. The project owner shall consult with the Fire Chief to determine whether any of the following requirements of the municipal code apply, and shall submit the recommendations of the Fire Chief to the CPM for review and approval.	The project owner shall include in the application for a Methane District Building Permit a copy of the construction project Site Plan Review approved by the California Department of Conservation Division of Oil, Gas and Geothermal Resources (DOGGR) that is on file with the Huntington Beach Fire Department PetroChem section. A copy of the site plan review, application for the Methane District Building Permit and any comments by Huntington Beach Fire Chief are to be provided to the CPM at least 30 days prior to initiation of grading.	advise the CPM, within five days, the reason for disapproval, and the revised corrective action to obtain				COMPLETED
	HAZ-07	DEMO		Prior to commencing construction, a site-specific Construction Site Security Plan for the construction phase shall be prepared and made available to the CPM for review and approval. The Construction Security Plan shall include the following: 1. perimeter security consisting of fencing enclosing the construction area 2. security guards 3. site access control consisting of a check-in procedure or tag system for construction personnel and visitors 4. written standard procedures for employees, contractors and vendors when encountering suspicious objects or packages on site or off site 5. protocol for contacting law enforcement and the CPM in the event of suspicious activity or emergency 6. evacuation procedures	At least thirty (30) days prior to commencing construction, the project owner shall notify the CPM that a site-specific Construction Security Plan is available for review and approval.	CBO's approval.				
			Construction Site Security Plan					8/12/2016		COMPLETED
	✓ NOISE-06	DEMO		Heavy equipment operation and noisy6 construction work relating to any project features, including pile driving, shall be restricted to the times delineated below: Mondays through Saturdays: 7:00 a.m. to 8:00 p.m. Sundays and Federal Holidays: Construction not allowed. Limited construction activities may be performed outside of the above hours, with CPM approval as set forth below. Haul trucks and other engine-powered equipment shall be equipped with adequate mufflers and other state-required noise attenuation devices. Haul trucks shall be operated in accordance with posted speed limits. Truck engine exhaust brake use (jake braking) shall be limited to emergencies.	Prior to ground disturbance, the project owner shall transmit to the CPM a statement acknowledging that the above restrictions will be observed throughout the construction of the project.	Prior to ground disturbance.				
			Letter of Acknowledgement						6/27/2016	COMPLETED
	S&W-01	DEMO		The project owner shall manage stormwater pollution from HBEP construction activities by fulfilling the requirements contained in State Water Resources Control Board's National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Order No. 2009-0009- DWQ, NPDES No. CAS000002) and all subsequent revisions and amendments. The project owner shall develop and implement a construction Storm Water Pollution Prevention Plan (SWPPP) for the construction of the HBEP project.	Thirty (30) days prior to site mobilization of HBEP construction activities, the project owner shall submit the construction SWPPP to the CBO and CPM for review and the SWRCB for review and timely comment. A copy of the approved construction SWPPP shall be kept accessible onsite at all times. Within 10 days of its mailing or receipt, the project owner shall submit to the CPM any correspondence between the project owner and the Santa Ana Regional Water Quality Control Board about the general NPDES permit for discharge of stormwater associated with construction and land disturbance activities. This information shall include a copy of the notice of intent and the notice of termination submitted by the project owner to the SWRCB.	Thirty (30) days prior to site mobilization of HBEP construction activities.				

Critical	Cond. #	Sort Code	Submittal	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Targeted Internal Finish Date	Date sent to CEC, CBO or agency	CBO Status	
			Construction SWPPP					6/10/2016 1st submittal	7/20/2016	AES to re-submit SWPPP based on CBO comments. Submitt by 9/9/16	
			Notice of Intent (NOI)					8/8/2016		COMPLETED	
	✓	S&W-03	DEMO	Prior to any groundwater dewatering, the project owner shall submit a dewatering plan to the CPM for review and approval. The dewatering plan shall include maximum daily and average daily pumping rates, and total volume expected to be pumped during dewatering, as well as the dates expected to be used for dewatering. The plan shall also include estimates of drawdown that may occur at the adjacent marsh land, and identify potential mitigation, as needed, as well as describe under what circumstances such mitigation would be implemented.	At least sixty (60) days prior to dewatering, the project owner shall submit a dewatering plan to the CPM for review and approval. The project owner shall provide a report on the dewatering daily average and maximum rate and total daily volumes in each monthly compliance report when dewatering occurs. At least 30 days prior to any planned dewatering water discharge, the project owner shall submit a RWD to the RWQCB to obtain the appropriate waiver or permit. The project owner shall submit a copy of any correspondence between the project owner and the RWQCB regarding the waiver or permit and all related reports to the CPM within 10 days of correspondence receipt or submittal.	At least sixty (60) days prior to dewatering.				No dewatering anticipated during LNTP.	
	✓	S&W-04	DEMO	Prior to mobilization for construction, the project owner shall obtain a National Pollutant Discharge Elimination System permit for industrial waste and stormwater discharge to the Pacific Ocean. The project owner shall discharge to the same outfall currently utilized by the Huntington Beach Generating Station under the requirements of Order No. R8-2006- 0011, NPDES No. CA0001163. The project owner shall provide a copy of all permit documentation sent to the Santa Ana or State Water Board to the CPM and notify the CPM in writing of any reported non-compliance.	Prior to construction mobilization, the project owner shall submit to the CPM documentation that all necessary NPDES permits were obtained from the Santa Ana or State Water Board. Thirty (30) days prior to HBEP operation, the project owner shall submit to the CPM a copy of the Industrial SWPPP.	Prior to construction mobilization.					
			NPDES Permit						6/28/2016	COMPLETED	
			Monthly Non-Compliance Report								To be included in MCR
		STRUC-01	DEMO	Prior to the start of any increment of construction, the project owner shall submit plans, calculations and other supporting documentation to the CBO for design review and acceptance for all project structures and equipment identified in the CBO-approved master drawing and master specifications list. The design plans and calculations shall include the lateral force procedures and details as well as vertical calculations. Construction of any structure or component shall not begin until the CBO has approved the lateral force procedures to be employed in designing that structure or component. The project owner shall: 1. Obtain approval from the CBO of lateral force procedures proposed for project structures. 2. Obtain approval from the CBO for the final design plans, specifications, calculations, soils reports, and applicable quality control procedures. If there are conflicting requirements, the more stringent shall govern (for example, highest loads, or lowest allowable stresses shall govern). All plans, calculations, and specifications for foundations that support structures shall be filed concurrently with the structure plans, calculations, and specifications. 3. Submit to the CBO the required number of copies of the structural plans, specifications, calculations, and other required documents of the designated major structures prior to the start of on-site fabrication and installation of each structure, equipment support, or foundation. 4. Ensure that the final plans, calculations, and specifications clearly reflect the inclusion of approved criteria, assumptions, and methods used to develop the design. The final designs, plans, calculations, and specifications shall be signed and stamped by the responsible design engineer. 5. Submit to the CBO the responsible design engineer's signed statement that the final design plans conform to applicable LORS.	At least 30 days prior to any planned dewatering water discharge, the project owner shall submit a RWD to the RWQCB to obtain the appropriate waiver or permit.	At least 60 days (or project owner- and CBO-approved alternative time frame) prior to the start of any increment of construction of any structure or component listed .					
			Structural Design of Trailers						7/13/2016	7/27/2016	APPROVED
			GSD Construction Trailer Foundation Design						9/9/2016	9/13/2016	Approved
			Demolition Work Plan						9/9/2016		COMPLETED
			12' Construction Fence Design						9/23/2016		
			Utility Clearance Plan						9/9/2016		Utility Isolation Verification - East Fuel Oil Tank and Distillate Tank SUBMITTED 9/13/16
			Demolition Site Delineation Plan						9/14/2016		

Critical

Cond. #	Sort Code	Submittal	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Targeted Internal Finish Date	Date sent to CEC, CBO or agency	CBO Status
VIS-1	CONSTRUC TION		Prior to submitting the master drawings and master specifications list for the project to the Chief Building Official (CBO) and the Compliance Project Manager (CPM), the project owner shall prepare and submit a Visual Screening and Enhancement Plan for Project Structures (Plan) that includes methods and materials to visually screen and treat surfaces of publicly visible power plant structures.	No more than 45 calendar days before submitting the master drawings and master specifications list to the CBO (in accordance with the requirements of GEN-2), the project owner shall submit a Visual Screening and Enhancement Plan for Project Structures to the CPM for review and approval.					COMPLETED Re-opened due to scope change; berm removal to take place during demo
VIS-2	CONSTRUC TION		The project owner shall prepare and implement a Perimeter Screening and On-site Landscape and Irrigation Plan (Plan) to screen views of power plant structures.	No more than 45 calendar days after submitting the master drawings and master specifications list to the CBO (in accordance with the requirements of Condition of Certification GEN-2), the project owner shall submit the Perimeter Screening and On-site Landscape and Irrigation Plan to the CPM for review and approval.					Re-opened due to scope change; berm removal to take place during demo
VIS-03	DEMO		Prior to the start of site mobilization, the project owner shall prepare and implement a Construction Screening, Landscape Protection, and Site Restoration Plan describing methods and materials that will be used during each project phase to screen project construction and parking areas and views of the project site from areas where construction activities have the potential to be visible during a phase. The Construction Screening, Landscape Protection, and Site Restoration Plan will describe methods and materials to identify and protect existing landscape trees and shrubs. The Construction Screening, Landscape Protection, and Site Restoration Plan will identify existing landscaped areas where plantings will be retained and where they will be permanently removed. The Construction Screening, Landscape Protection, and Site Restoration Plan will include provisions to restore areas where ground disturbance occurred during construction.	At least 60 calendar days before the start of site mobilization, the project owner shall submit a Construction Screening, Landscape Protection, and Site Restoration Plan to the CPM for review and approval. Simultaneously with the submission of a Construction Screening, Landscape Protection, and Site Restoration Plan to the CPM, the project owner shall submit seven copies of a Construction Screening, Landscape Protection, and Site Restoration Plan to the City of Huntington Beach Planning and Building Department for review and comment.	At least 60 calendar days before the start of site mobilization.				Re-opened due to scope change; berm removal to take place during demo
VIS -04	DEMO		Consistent with applicable worker safety regulations, the project owner shall ensure that lighting of on-site construction areas, construction worker parking lots, and construction laydown areas minimizes potential adverse night lighting impacts by implementing the following measures: 1. All fixed-position lighting shall be hooded and shielded to direct light downward and toward the construction area to be illuminated to prevent illumination of the night sky and minimize light trespass (i.e., direct light extending beyond the boundaries of the construction worker parking lots and construction sites, including any security-related boundaries). 2. Lighting of any tall construction equipment (e.g., scaffolding, derrick cranes, etc.) shall be directed toward areas requiring illumination and shielded to the maximum extent practicable. 3. Task-specific lighting shall be used to the maximum extent practicable. 4. Wherever and whenever feasible, lighting shall be kept off when not in use and motion sensors shall be used to the maximum extent practicable. 5. The Compliance Project Manager (CPM) shall be notified of any construction-related lighting complaints. Complaints shall be documented using a form in the format shown in Attachment 1, and completed forms shall record resolution of each complaint. A copy of each completed complaint form shall be provided to the CPM. Records of lighting complaints shall also be kept in the compliance file at the project site.	Within 7 calendar days after the first use of fixed-position parking area and construction-related lighting for major HBEP construction milestones, the project owner shall notify the CPM that the lighting is ready for inspection. Verification is to be repeated for these three construction milestones: • Demolition of HBGS Unit 5 and east fuel oil tank and construction of Power Block 1 • Construction of Power Block 2 • Demolition of HBGS Units 1 and 2 and construction of Buildings 33 and 34 If the CPM determines that modifications to the lighting are needed for any construction milestone, within 14 calendar days of receiving that notification, the project owner shall correct the lighting and notify the CPM that modifications have been completed. Within 48 hours of receiving a lighting complaint for any construction activity, the project owner shall provide a copy of the complaint report and resolution form to the CPM, including a schedule for implementing corrective measures to resolve the complaint. The project owner shall report any lighting complaints and document their resolution in the Monthly Compliance Report for the project, accompanied by copies of completed complaint resolution forms for that month.	Within 7 calendar days after the first use of fixed-position parking area and construction-related lighting for major HBEP construction milestones.				
		If Needed							

Critical

Cond. #	Sort Code	Submittal	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Targeted Internal Finish Date	Date sent to CEC, CBO or agency	CBO Status
WASTE-01	DEMO		The project owner shall ensure that the HBEP project site is properly characterized and remediated as necessary pursuant to the corrective action plans reviewed by DTSC, the Huntington Beach Fire Department and/or the Orange County Health Care Agency. In no event shall project construction commence in areas requiring characterization and remediation until the CPM determines, with confirmation from the appropriate regulatory agency, that all necessary remediation has been accomplished.	At least 45 days prior to remediation the project owner shall submit to the CPM for approval copies of remediation documentation, such as, but not limited to, soil sample results, work plans, and agreements regarding the corrective action plan requirements and activities at the project site. Pertinent correspondence such as, but not limited to, soil sample results, work plans, agreements, and authorizations involving DTSC, the Huntington Beach Fire Department, and/or (if applicable) the Orange County Health Care Agency regarding the corrective action plan requirements and activities at the project site will be provided to the CPM within 10 days of receipt. At least 15 days prior to the start of site mobilization, the project owner shall provide to the CPM written notice from the appropriate regulatory agency that the HBEP site has been investigated and remediated as necessary in accordance with the corrective action plan. If soil contamination not previously identified or already included in corrective action plans, work plans or closure plans is encountered prior to or during grading the project owner shall notify the CPM and DTSC, revise the approved work plan and submit it for concurrent CPM, Huntington Beach Fire Department, and DTSC review within 30 days after contamination is identified. Comments received within 30 days from all parties will be incorporated and provided to DTSC for approval.	At least 45 days prior to remediation. At least 15 days prior to the start of site mobilization				COMPLETED
✓ WASTE-03	DEMO		The project owner shall provide the resume of an experienced and qualified professional engineer or professional geologist, who shall be available for consultation during site characterization (if needed), demolition, excavation, and grading activities, to the CPM for review and approval. The resume shall show experience in remedial investigation and feasibility studies.	At least 30 days prior to the start of site mobilization, the project owner shall submit the resume of the professional engineer or professional geologist to the CPM for review and approval.	At least 30 days prior to the start of site mobilization.				COMPLETED
		Depending on Occurrence							COMPLETED
✓ WASTE-04	CLOSE OUT		If potentially contaminated soil is identified during site characterization, demolition, excavation, or grading at either the proposed site or linear facilities, as evidenced by discoloration, odor, detection by handheld instruments, or other signs, the professional engineer or professional geologist shall inspect the site, determine the need for sampling to confirm the nature and extent of contamination, and provide a written report to the project owner, representatives of Department of Toxic Substances Control, and the CPM stating the recommended course of action.	The project owner shall submit any final reports filed by the professional engineer or professional geologist to the CPM within 5 days of their receipt. The project owner shall notify the CPM within 24 hours of any orders issued to halt construction.	The project owner shall submit any final reports filed by the professional engineer or professional geologist to the CPM within 5 days of their receipt.				Copy to CBO
✓ WORKER SAFETY-01	DEMO		The project owner shall submit to the compliance project manager (CPM) a copy of the Project Construction Safety and Health Program containing the following: 1. a Construction Personal Protective Equipment Program 2. a Construction Exposure Monitoring Program 3. a Construction Injury and Illness Prevention Program 4. a Construction Emergency Action Plan 5. a Construction Fire Prevention Plan The Personal Protective Equipment Program, the Exposure Monitoring Program, and the Injury and Illness Prevention Program shall be submitted to the CPM for review and approval concerning compliance of the program with all applicable safety orders. The Construction Emergency Action Plan and the Fire Prevention Plan shall be submitted to the Huntington Beach Fire Department for review and comment prior to submittal to the CPM for approval.	At least 30 days prior to the start of construction, the project owner shall submit to the CPM for review and approval a copy of the Project Construction Safety and Health Program. The project owner shall provide a copy of a letter to the CPM from the Huntington Beach Fire Department stating the fire department's timely comments on the Construction Fire Prevention Plan and Emergency Action Plan.	At least 30 days prior to start of construction.				
		Site-Specific Health and Safety Plan - Lead/Asbestos Abatement							COMPLETED
		Site-Specific Health and Safety Plan - Pipline Cleaning					7/18/2016	7/27/2016	COMPLETED
		Site-Specific Health and Safety Plan - Demolition					8/19/2016	7/28/2016	COMPLETED

Critical	Cond. #	Sort Code	Submittal	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Targeted Internal Finish Date	Date sent to CEC, CBO or agency	CBO Status
	WORKER SAFETY-03	DEMO		The project owner shall assign a site Construction Safety Supervisor (CSS) who, by way of training and/or experience, has knowledge of of power plant construction activities and relevant laws, ordinances, regulations, and standards; is capable of identifying workplace hazards relating to the construction activities; and has authority to take appropriate action to assure compliance and mitigate hazards. The CSS shall: 1. have overall authority for coordination and implementation of all occupational safety and health practices, policies, and programs 2. assure that the safety program for the project complies with Cal/OSHA and federal regulations related to power plant projects 3. assure that all construction and commissioning workers and supervisors receive adequate safety training 4. complete accident and safety-related incident investigations and emergency response reports for injuries and inform the CPM of safetyrelated incidents 5. assure that all the plans identified in Conditions of Certification Worker Safety-1 and -2 are implemented.	At least 60 days prior to the start of site mobilization, the project owner shall submit the name and contact information for the CSS to the CPM for review and approval. The contact information of any replacement CSS shall be submitted to the CPM within one business day.	At least 60 days prior to the start of site mobilization.		8/29/2016		COMPLETED
	WORKER SAFETY-04	DEMO		The project owner shall, through an agreement with the Chief Building Official (CBO), obtain and pay for the services of a Safety Monitor. The services of the Safety Monitor shall be in addition to other work performed by the CBO. The Safety Monitor shall be selected by and report directly to the CBO and will be responsible for verifying that the Construction Safety Supervisor, as required in Condition of Certification Worker Safety-3, implements all appropriate Cal/OSHA and Energy Commission safety requirements. The Safety Monitor shall have full access to the project site to conduct on-site (including linear facilities) safety inspections at intervals necessary to fulfill those responsibilities.	At least 60 days prior to the start of construction, the project owner shall provide proof of its agreement to fund the Safety Monitor services to the CPM for review and approval.	At least 60 days prior to the start of construction.			10/5/2015	COMPLETED
	WORKER SAFETY - 06	DEMO		The project owner shall prepare an Emergency Access Plan that shows all of the following: (1) a 26-foot wide fire lane that will provide a continuous loop around HBEP Block 1; (2) a 26-foot wide fire lane that will provide a continuous loop around HBEP Block 2; (3) a 26-foot wide fire lane from the HBEP main entrance to the continuous loops referenced in (1) and (2) above; and (4) a 26-foot wide fire lane from a secondary access point to the continuous loops referenced in (1) and (2) above. Both access lanes shall connect to a public street. Corners must allow for clear travel of a minimum 17-foot inner radius and 45-foot outer radius (radius must be concentric). The fire lanes shall be designed and maintained to support the imposed loads of fire apparatus (75,000 lbs. load/12,000 point load) and shall be surfaced to provide all-weather driving capabilities. Fire lane signage shall be provided as per City of Huntington Beach Specification #415. The 26-foot wide fire lanes shall meet the applicable requirements of the California Fire Code, City of Huntington Beach Municipal Code Chapter 17.56 - Huntington Beach Fire Code, and the Huntington Beach Fire Department City Specifications.	At least 60 days prior to the start of construction of any structures or components listed in the CBO-approved master drawing and master specification list, or within a timeframe approved by the CPM, the project owner shall submit the Emergency Access Plan to the City Fire Department for review and timely comment, and to the CPM and CBO for review and approval.	At least 60 days prior to the start of construction.				COMPLETED
	TRANS-6	CONSTRUC TION		The project owner shall install blinking obstruction marking and lighting on any construction equipment that exceeds 200 feet in height in accordance with FAA requirements.	At least 10 days prior to installation of permanent obstruction marking and lighting, the project owner shall provide the CBO and CPM proof in writing of approval by the FAA for all structure marking and lighting.					

AES Huntington Beach Energy Project (12-AFC-02C)
CBO Proof of Payment (GEN-3)
September 2016 Reporting Period

Vendor	Document Date	Posting Date	Net due date	Amount in local currency	Reference	Text
NV5 INC	1/15/2016	3/9/2016	2/29/2016	-5,160.30	40668	NV5 CBO Agreement For HBES
NV5 INC	1/19/2016	1/19/2016	1/19/2016	19,100.07		
NV5 INC	2/12/2016	3/10/2016	3/28/2016	-7,239.61	41755	NV5 CBO Agreement For HBES
NV5 INC	3/9/2016	3/28/2016	4/23/2016	-8,005.92	42670	NV5 CBO Agreement For HBES
NV5 INC	3/14/2016	3/14/2016	3/14/2016	5,160.30		
NV5 INC	3/21/2016	3/21/2016	3/21/2016	7,239.61		
NV5 INC	4/18/2016	4/18/2016	4/18/2016	8,005.92		
NV5 INC	4/18/2016	5/13/2016	6/2/2016	-52,536.24	44044	NV5 CBO Agreement For HBES
NV5 INC	5/11/2016	5/17/2016	6/25/2016	-56,551.37	45192	NV5 CBO Agreement For HBES
NV5 INC	5/23/2016	5/23/2016	5/23/2016	52,536.24		
NV5 INC	6/8/2016	6/13/2016	7/8/2016	-85,958.60	46570	NV5 CBO Agreement For HBES
NV5 INC	6/20/2016	6/20/2016	6/20/2016	56,551.37		
NV5 INC	7/1/2016	7/1/2016	7/1/2016	85,958.60		
NV5 INC	7/7/2016	7/19/2016	8/6/2016	-91,807.30	48179	NV5 CBO Agreement For HBES
NV5 INC	8/1/2016	8/1/2016	8/1/2016	91,807.30		
NV5 INC	8/11/2016	8/18/2016	9/10/2016	-68,556.30	49929	August Invoice - NV5 CBO Agreement For HBES
NV5 INC	9/5/2016	9/5/2016	9/5/2016	68,556.30		August Invoice payment completed in September
NV5 INC	9/19/2016	9/23/2016	10/19/2016	-107,821.03	51662	NV5 CBO Agreement For HBES
NV5 INC	10/3/2016	10/3/2016	10/3/2016	107,821.03		

Appendix E

Air Quality



**Construction Equipment
& Services**

9/29/2016

To whom it may concern,

The equipment listed below has been serviced and maintained by Volvo Construction Equipment and Services in accordance with the approved factory recommended maintenance program.

Equipment Information

Manufacturer: Volvo
Model Number: EC480EL
Serial Number: 310118
Year: 2015

Engine Information

Manufacturer: Volvo
Model Number: D13J
Serial Number: 502602
Year: 2014
Family Number: EVSXL 12.8T4F
Horsepower: 373
Displacement: 12.8 litres

Current hours reported on 9/29/2016: 1162 hours.

Last oil change service completed: 1000 hour service completed 6/22/2016 @ 1039 hours.

Last inspection by Volvo technician: 9/22/2016.

Last inspection by Volvo Product Support: 9/29/2016.

Next oil service due: 1500 hours.

R/S,

BK FARRELL

Brian Farrell
VCES Product Support
951-901-0386
Brian.farrell@vcesvolvo.com



United Rentals, Inc.
16300 Gothard Street
Huntington Beach, CA
92647
Tel: 714-842-7765

09-30-16

LETTER OF MAINTENANCE VERIFICATION

The intention of this letter is to verify that all preventative maintenance and/or Service bulletins are current in accordance with the manufacturers and United Rentals recommendations.

This is for the below listed equipment on rent to GSD
at: 21730 NEWLAND ST, HUNTINGTON BEACH.

	<u>E.I.N.</u>
1. BOOM 85' TELESCOPIC 4WD> UNIT # 10424609	<u>UA5B47</u>
2. SKID STEER TRACK LOADER 2400#> UNIT # 10519303	<u>KT8C54</u>
3. BOOM 80/60 ARTICULATING UNIT # 1228756	NN5A78
4. Skid Steer Grapple Bucket Unit #10480154	N/A

All info verified by:
OC Metro service department
16300 Gothard Street
Huntington Beach, CA 92647

Mark Skye
Branch Manager
United Rentals, Inc.



September 28, 2016

LETTER OF MAINTENANCE VERIFICATION

The intention of this letter is to verify that all preventive maintenance and/or service bulletins are current in accordance with the manufactures and W.A. Rasic Construction recommendations.

This is for the below listed equipment on site at:

AES Southland

21730 Newland Street
Huntington Beach, CA

Equipment

1. Case> 590 Super N Loader B'hoe> UNIT # 3051 jjGN59SNCEC711133

All info verified by:

W.A. Rasic Construction Service Department
7314 Scout Avenue
Bell Gardens, CA 90201

Jack Quick
Project Manager
W.A. Rasic Construction

Appendix E

HBEP Off Road Diesel Equipment

<u>Date Arrived</u>	<u>Date Removed</u>	<u>CARB ID</u> 6 digit alpha numeric	<u>HBEP ID</u>	<u>Equipment</u>						<u>Engine</u>							
				<u>Manufacturer</u>	<u>Model/Description</u>	<u>Model Year</u>	<u>Serial Number</u>	<u>Owner</u>	<u>Renter</u>	<u>Manufacturer</u>	<u>Engine Family</u>	<u>Engine Model</u>	<u>Displacement (L)</u>	<u>Model Year</u>	<u>Serial Number</u>	<u>Diesel (hp)</u>	<u>Tier</u>
8/25/2016	onsite	VK3D96	HBEP-EN004	Volvo	EC480EL Excavator	2015	310118	Volvo Construction Equipment & Services (VCES)	GSD	Volvo	EVSXL12.8T4F	D13J	12.8 L	2014	502602	373	4F
8/18/2016	onsite	KT8C54	HBEP-EN001	Takeuchi	TL10CR Skid steer loader	2016	201003340	United Rentals	GSD	Kubota	EXBXL03.8AKD	V3800-T	3.8 L	2014	2GJ0317	108	4I
8/18/2016	09/21/16	UA5B47	HBEP-EN002	Skyjack	SJ86T Boom	2015	97100108	United Rentals	GSD	Deutz	FDZXL02.9020	TD2.9L4	2.9 L	2015	11772765	74	4F
8/18/2016	8/29/2016	DW6G75	HBEP-EN003	JLG Skytrak	8042 Rough Terrain Forklift	2015	160066913	United Rentals	GSD	Cummins	ECEXL03.3ADA	QSB3.3	3.2 L	2014	68617161	100	4I
7/25/2016	onsite	MU9W57	HBEP-EN005	CASE	590 Super N loader Backhoe	2014	JJGN59SN CEC711133	WA Rassie	Case	FPT Industrial	EFPXL03.4ADD	FPT F5BFL413A	3.4 L	2014	201279	109	4
9/21/2016	09/29/16	NN5A78	HBEP-EN006	Genie	Z-80/60 Articulating Boom	2011	Z8011-3169	United Rentals	GSD	Deutz	BDZXL03.6082	TD2011L041	3.6 L	2011	11055233	74	4I

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark mSmith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: Mark Smith

Date: 09-01-2016

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are main access roads onsite paved or stabilized?	y	
Are unpaved roads onsite stabilized?	y	
Are unpaved exits graveled?	N/A	Exits are paved
Are speed limit signs posted at the main entrances?	y	
Are equipment and vehicle operators using designated onsite roads?	y	
Are wheel washers, with a minimum of 20 foot gravel ramps, installed?	N/A	As needed use, deployed at staging area will be used when needed
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	y	
Are onsite paved roads swept daily?*	Y	as needed, not needed at this time, limited off road work
Are paved public roadways within 500 feet of exits swept as needed?*	Y	as needed basis, no off site transport as of this day.
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered?	y	no inactive stock piles
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	N/A	as of this date, no bulk off site transport
Are dust plumes visible with the potential to be transported offsite and within 400 feet upwind of any regularly occupied structures not owned by the project owner?	N	
If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form HBEP-CAQ-003).		

* The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices is expressly forbidden.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: Mark Smith 

Date: 09-01-2016

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	N	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	N	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are green or yellow AQCMM tags visible for all diesel off-road engines operating onsite?	Y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the HBEP Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	Y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	N	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: Mark Smith Digitally signed by Mark Smith
Date: 2016.09.06 09:06:21
+0700

Date: 9-02-2016

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are main access roads onsite paved or stabilized?	y	
Are unpaved roads onsite stabilized?	y	
Are unpaved exits graveled?	n/a	no unpaved exits
Are speed limit signs posted at the main entrances?	y	
Are equipment and vehicle operators using designated onsite roads?	y	
Are wheel washers, with a minimum of 20 foot gravel ramps, installed?	n/a	no off site, off paved surface work to date, washer and rumble plates are ready
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	y	
Are onsite paved roads swept daily?*	y	as needed, no off site trucking to date
Are paved public roadways within 500 feet of exits swept as needed?*	y	as needed, no off site trucking has occurred
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered?	y	no inactive stockpile
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	n/a	no offsite trucking has occurred to date
Are dust plumes visible with the potential to be transported offsite and within 400 feet upwind of any regularly occupied structures not owned by the project owner?	n	
If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form HBEP-CAQ-003).		

* The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices is expressly forbidden.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: Mark Smith Digitally signed by Mark Smith
Date: 2016.09.06 09:15:29 -07'00'

Date: 09-02-2016

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	n	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	n	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are green or yellow AQCMM tags visible for all diesel off-road engines operating onsite?	y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the HBEP Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	n	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTP
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: Mark Smith Digitally signed by Mark Smith
Date: 2016.09.06 09:06:21
-07'00'

Date: 9-06-2016

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are main access roads onsite paved or stabilized?	y	
Are unpaved roads onsite stabilized?	y	
Are unpaved exits graveled?	n/a	no unpaved exits
Are speed limit signs posted at the main entrances?	y	
Are equipment and vehicle operators using designated onsite roads?	y	
Are wheel washers, with a minimum of 20 foot gravel ramps, installed?	n/a	no off site, off paved surface work to date, washer and rumble plates are ready
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	y	
Are onsite paved roads swept daily?*	y	as needed, no off site trucking to date
Are paved public roadways within 500 feet of exits swept as needed?*	y	as needed, no off site trucking has occurred
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered?	y	no inactive stockpile
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	n/a	no offsite trucking has occurred to date
Are dust plumes visible with the potential to be transported offsite and within 400 feet upwind of any regularly occupied structures not owned by the project owner?	n	
If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form HBEP-CAQ-003).		

* The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices is expressly forbidden.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: Mark Smith Digitally signed by Mark Smith
Date: 2016.09.06 09:15:29 -07'00'

Date: 09-06-2016

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	n	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	n	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCCM.
Are green or yellow AQCMM tags visible for all diesel off-road engines operating onsite?	y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the HBEP Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	n	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: Mark Smith
Digitally signed by Mark Smith
Date: 2016.09.06 09:06:21
+07'00'

Date: 9-07-2016

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are main access roads onsite paved or stabilized?	y	
Are unpaved roads onsite stabilized?	y	
Are unpaved exits graveled?	n/a	no unpaved exits
Are speed limit signs posted at the main entrances?	y	
Are equipment and vehicle operators using designated onsite roads?	y	
Are wheel washers, with a minimum of 20 foot gravel ramps, installed?	n/a	no off site or off paved surface work to date, washer and rumble plates are ready
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	y	
Are onsite paved roads swept daily?*	y	as needed, no off site trucking to date
Are paved public roadways within 500 feet of exits swept as needed?*	y	as needed, no off site trucking has occurred
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered?	y	no inactive stockpile
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	n/a	no offsite trucking has occurred to date
Are dust plumes visible with the potential to be transported offsite and within 400 feet upwind of any regularly occupied structures not owned by the project owner?	n	
If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form HBEP-CAQ-003).		

* The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices is expressly forbidden.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: Mark Smith Digitally signed by Mark Smith
Date: 2016.09.06 09:15:29 -07'00'

Date: 09-07-2016


Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	n	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	n	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are green or yellow AQCMM tags visible for all diesel off-road engines operating onsite?	y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the HBEP Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	n	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: 

Date: 09-08 2016 Thursday

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are main access roads onsite paved or stabilized?	y	
Are unpaved roads onsite stabilized?	y	
Are unpaved exits graveled?	na	
Are speed limit signs posted at the main entrances?	y	
Are equipment and vehicle operators using designated onsite roads?	y	
Are wheel washers, with a minimum of 20 foot gravel ramps, installed?	na	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	y	
Are onsite paved roads swept daily?*	y	
Are paved public roadways within 500 feet of exits swept as needed?*	y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered?	na	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	na	
Are dust plumes visible with the potential to be transported offsite and within 400 feet upwind of any regularly occupied structures not owned by the project owner?	n	
If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form HBEP-CAQ-003).		

* The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices is expressly forbidden.

ADDITIONAL NOTES:

Exits paved, accessory equip to be deployed as necessary, No bulk off site trucking, no inactive stockpiles, water sprayed as needed

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature:  _____

Date: 09-08 2016 Thursday


Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	n	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	n	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are green or yellow AQCMM tags visible for all diesel off-road engines operating onsite?	y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the HBEP Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	n	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: 

Date: 09-09 2016 Friday

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are main access roads onsite paved or stabilized?	y	
Are unpaved roads onsite stabilized?	y	
Are unpaved exits graveled?	na	
Are speed limit signs posted at the main entrances?	y	
Are equipment and vehicle operators using designated onsite roads?	y	
Are wheel washers, with a minimum of 20 foot gravel ramps, installed?	na	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	y	
Are onsite paved roads swept daily?*	y	
Are paved public roadways within 500 feet of exits swept as needed?*	y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered?	na	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	na	
Are dust plumes visible with the potential to be transported offsite and within 400 feet upwind of any regularly occupied structures not owned by the project owner?	n	
If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form HBEP-CAQ-003).		

* The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices is expressly forbidden.

ADDITIONAL NOTES:

Exits paved, accessory equip to be deployed as necessary, No bulk off site trucking, no inactive stockpiles, water sprayed as needed

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: 

Date: 09-09 2016 Friday


Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	n	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	n	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCCM.
Are green or yellow AQCMM tags visible for all diesel off-road engines operating onsite?	y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the HBEP Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	n	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: mark smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: 

Date: 09-12-2016

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are main access roads onsite paved or stabilized?	y	
Are unpaved roads onsite stabilized?	y	
Are unpaved exits graveled?	na	
Are speed limit signs posted at the main entrances?	y	
Are equipment and vehicle operators using designated onsite roads?	y	
Are wheel washers, with a minimum of 20 foot gravel ramps, installed?	na	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	y	
Are onsite paved roads swept daily?*	y	
Are paved public roadways within 500 feet of exits swept as needed?*	y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered?	na	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	na	
Are dust plumes visible with the potential to be transported offsite and within 400 feet upwind of any regularly occupied structures not owned by the project owner?	n	
If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form HBEP-CAQ-003).		

* The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices is expressly forbidden.

ADDITIONAL NOTES:

Exits are paved, equipment on as needed on standby will be deployed as needed, no inactive stockpiles, no bulk transport off-site

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: mark smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: 

Date: 09-12-2016


Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	n	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	n	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCCM.
Are green or yellow AQCMM tags visible for all diesel off-road engines operating onsite?	y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the HBEP Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	n	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature:  _____

Date: 09-13 2016 Tues

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are main access roads onsite paved or stabilized?	y	
Are unpaved roads onsite stabilized?	y	
Are unpaved exits graveled?	na	
Are speed limit signs posted at the main entrances?	y	
Are equipment and vehicle operators using designated onsite roads?	y	
Are wheel washers, with a minimum of 20 foot gravel ramps, installed?	na	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	y	
Are onsite paved roads swept daily?*	y	
Are paved public roadways within 500 feet of exits swept as needed?*	y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered?	na	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	na	
Are dust plumes visible with the potential to be transported offsite and within 400 feet upwind of any regularly occupied structures not owned by the project owner?	n	
If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form HBEP-CAQ-003).		

* The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices is expressly forbidden.

ADDITIONAL NOTES:

Exits paved, accessory equip to be deployed as necessary, No bulk off site trucking, no inactive stockpiles, water sprayed as needed

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: 

Date: 09-13 2016 Tues


Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	n	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	n	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCCM.
Are green or yellow AQCMM tags visible for all diesel off-road engines operating onsite?	y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the HBEP Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	n	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: 

Date: 09-14-2016 Wed

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are main access roads onsite paved or stabilized?	y	
Are unpaved roads onsite stabilized?	y	
Are unpaved exits graveled?	na	
Are speed limit signs posted at the main entrances?	y	
Are equipment and vehicle operators using designated onsite roads?	y	
Are wheel washers, with a minimum of 20 foot gravel ramps, installed?	na	
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	y	
Are onsite paved roads swept daily?*	y	
Are paved public roadways within 500 feet of exits swept as needed?*	y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered?	na	
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	na	
Are dust plumes visible with the potential to be transported offsite and within 400 feet upwind of any regularly occupied structures not owned by the project owner?	n	
If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form HBEP-CAQ-003).		

* The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices is expressly forbidden.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: 

Date: 09-14-2016 Wed

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	n	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	n	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCCMM.
Are green or yellow AQCCMM tags visible for all diesel off-road engines operating onsite?	y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the HBEP Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	n	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: Mark Smith

Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP, ou=LNTF, email=marksmith@huntingtonbeach.com, c=US
Date: 2016.09.21 16:34:56 -0700

Date: 09-15 2016 Thursday

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are main access roads onsite paved or stabilized?	y	
Are unpaved roads onsite stabilized?	y	
Are unpaved exits graveled?	na	none
Are speed limit signs posted at the main entrances?	y	
Are equipment and vehicle operators using designated onsite roads?	y	
Are wheel washers, with a minimum of 20 foot gravel ramps, installed?	na	not yet needed, will deploy when needed
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	y	
Are onsite paved roads swept daily?*	y	as needed
Are paved public roadways within 500 feet of exits swept as needed?*	y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered?	na	no inactive stockpiles
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	y	
Are dust plumes visible with the potential to be transported offsite and within 400 feet upwind of any regularly occupied structures not owned by the project owner?	n	
If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form HBEP-CAQ-003).		

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ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: 

Date: 09-15 2016 Thursday

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	n	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	n	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCCM.
Are green or yellow AQCMM tags visible for all diesel off-road engines operating onsite?	y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the HBEP Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	n	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: Mark Smith

Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP, ou=LNTF, email=marksmith@huntingtonbeach.com, c=US
Date: 2016.09.21 16:34:56 -0700

Date: 09-16 2016 Friday

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are main access roads onsite paved or stabilized?	y	
Are unpaved roads onsite stabilized?	y	
Are unpaved exits graveled?	na	none
Are speed limit signs posted at the main entrances?	y	
Are equipment and vehicle operators using designated onsite roads?	y	
Are wheel washers, with a minimum of 20 foot gravel ramps, installed?	na	not yet needed, will deploy when needed
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	y	
Are onsite paved roads swept daily?*	y	as needed
Are paved public roadways within 500 feet of exits swept as needed?*	y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered?	na	no inactive stockpiles
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	y	
Are dust plumes visible with the potential to be transported offsite and within 400 feet upwind of any regularly occupied structures not owned by the project owner?	n	
If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form HBEP-CAQ-003).		

* The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices is expressly forbidden.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: 

Date: 09-16 2016 Friday

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	n	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	n	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are green or yellow AQCMM tags visible for all diesel off-road engines operating onsite?	y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the HBEP Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	n	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: Mark Smith

Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP, ou=LNTF, email=marksmith@huntingtonbeach.com, c=US
Date: 2016.09.21 16:34:56 -0700

Date: 09-19 2016 Monday

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are main access roads onsite paved or stabilized?	y	
Are unpaved roads onsite stabilized?	y	
Are unpaved exits graveled?	na	none
Are speed limit signs posted at the main entrances?	y	
Are equipment and vehicle operators using designated onsite roads?	y	
Are wheel washers, with a minimum of 20 foot gravel ramps, installed?	na	not yet needed, will deploy when needed
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	y	
Are onsite paved roads swept daily?*	y	as needed
Are paved public roadways within 500 feet of exits swept as needed?*	y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered?	na	no inactive stockpiles
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	y	
Are dust plumes visible with the potential to be transported offsite and within 400 feet upwind of any regularly occupied structures not owned by the project owner?	n	
If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form HBEP-CAQ-003).		

* The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices is expressly forbidden.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: 

Date: 09-19 2016 Monday

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	n	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	n	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are green or yellow AQCMM tags visible for all diesel off-road engines operating onsite?	y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the HBEP Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	n	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: Mark Smith

Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP, ou=LNTF, email=marksmith@huntingtonbeach.com, c=US
Date: 2016.09.21 16:34:56 -0700

Date: 09-20 2016 Tuesday

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are main access roads onsite paved or stabilized?	y	
Are unpaved roads onsite stabilized?	y	
Are unpaved exits graveled?	na	none
Are speed limit signs posted at the main entrances?	y	
Are equipment and vehicle operators using designated onsite roads?	y	
Are wheel washers, with a minimum of 20 foot gravel ramps, installed?	na	not yet needed, will deploy when needed
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	y	
Are onsite paved roads swept daily?*	y	as needed
Are paved public roadways within 500 feet of exits swept as needed?*	y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered?	na	no inactive stockpiles
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	y	
Are dust plumes visible with the potential to be transported offsite and within 400 feet upwind of any regularly occupied structures not owned by the project owner?	n	
If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form HBEP-CAQ-003).		

* The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices is expressly forbidden.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: 

Date: 09-20 2016 Tuesday

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	n	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	n	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCCM.
Are green or yellow AQCMM tags visible for all diesel off-road engines operating onsite?	y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the HBEP Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	n	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTP
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: _____

Date: 09-21 2016 Wednesday

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are main access roads onsite paved or stabilized?	y	
Are unpaved roads onsite stabilized?	y	
Are unpaved exits graveled?	na	none
Are speed limit signs posted at the main entrances?	y	
Are equipment and vehicle operators using designated onsite roads?	y	
Are wheel washers, with a minimum of 20 foot gravel ramps, installed?	na	not yet needed, will deploy when needed
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	y	
Are onsite paved roads swept daily?*	y	as needed
Are paved public roadways within 500 feet of exits swept as needed?*	y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered?	na	no inactive stockpiles
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	y	
Are dust plumes visible with the potential to be transported offsite and within 400 feet upwind of any regularly occupied structures not owned by the project owner?	n	
If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form HBEP-CAQ-003).		

* The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices is expressly forbidden.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: 

Date: 09-21 2016 Wednesday

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	y	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	y	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCCM.
Are green or yellow AQCMM tags visible for all diesel off-road engines operating onsite?	y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the HBEP Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	n	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

SkyJack, man lift removed from site. Genie Z-80 man lift replaced the Skyjack.

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: Mark Smith

Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP, ou=LNTF, email=marksmith@huntingtonbeach.com, c=US
Date: 2016.09.21 16:34:56 -0700

Date: 09-22 2016 Thursday

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are main access roads onsite paved or stabilized?	y	
Are unpaved roads onsite stabilized?	y	
Are unpaved exits graveled?	na	none
Are speed limit signs posted at the main entrances?	y	
Are equipment and vehicle operators using designated onsite roads?	y	
Are wheel washers, with a minimum of 20 foot gravel ramps, installed?	na	not yet needed, will deploy when needed
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	y	
Are onsite paved roads swept daily?*	y	as needed
Are paved public roadways within 500 feet of exits swept as needed?*	y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered?	na	no inactive stockpiles
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	y	
Are dust plumes visible with the potential to be transported offsite and within 400 feet upwind of any regularly occupied structures not owned by the project owner?	n	
If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form HBEP-CAQ-003).		

* The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices is expressly forbidden.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: 

Date: 09-22 2016 Thursday

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	n	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	n	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCCM.
Are green or yellow AQCMM tags visible for all diesel off-road engines operating onsite?	y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the HBEP Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	n	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: Mark Smith

Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP, ou=LNTF, email=marksmith@huntingtonbeach.com, c=US
Date: 2016.09.21 16:34:56 -0700

Date: 09-23 2016 Friday

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are main access roads onsite paved or stabilized?	y	
Are unpaved roads onsite stabilized?	y	
Are unpaved exits graveled?	na	none
Are speed limit signs posted at the main entrances?	y	
Are equipment and vehicle operators using designated onsite roads?	y	
Are wheel washers, with a minimum of 20 foot gravel ramps, installed?	na	not yet needed, will deploy when needed
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	y	
Are onsite paved roads swept daily?*	y	as needed
Are paved public roadways within 500 feet of exits swept as needed?*	y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered?	na	no inactive stockpiles
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	y	
Are dust plumes visible with the potential to be transported offsite and within 400 feet upwind of any regularly occupied structures not owned by the project owner?	n	
If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form HBEP-CAQ-003).		

* The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices is expressly forbidden.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: 

Date: 09-23 2016 Friday

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	n	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	n	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are green or yellow AQCMM tags visible for all diesel off-road engines operating onsite?	y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the HBEP Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	n	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: Mark Smith

Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP, ou=LNTF, email=marksmith@huntingtonbeach.com, c=US
Date: 2016.09.21 16:34:56 -0700

Date: 09-26 2016 Monday

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are main access roads onsite paved or stabilized?	y	
Are unpaved roads onsite stabilized?	y	
Are unpaved exits graveled?	na	none
Are speed limit signs posted at the main entrances?	y	
Are equipment and vehicle operators using designated onsite roads?	y	
Are wheel washers, with a minimum of 20 foot gravel ramps, installed?	na	not yet needed, will deploy when needed
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	y	
Are onsite paved roads swept daily?*	y	as needed
Are paved public roadways within 500 feet of exits swept as needed?*	y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered?	na	no inactive stockpiles
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	y	
Are dust plumes visible with the potential to be transported offsite and within 400 feet upwind of any regularly occupied structures not owned by the project owner?	n	
If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form HBEP-CAQ-003).		

* The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices is expressly forbidden.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: 

Date: 09-26 2016 Monday

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	n	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	n	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are green or yellow AQCMM tags visible for all diesel off-road engines operating onsite?	y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the HBEP Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	n	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTP
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: Mark Smith

Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP, ou=LNTP, email=marksmith@huntingtonbeach.com, c=US
Date: 2016.09.21 16:34:56 -0700

Date: 09-27 2016 Tuesday

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are main access roads onsite paved or stabilized?	y	paved
Are unpaved roads onsite stabilized?	y	
Are unpaved exits graveled?	na	none
Are speed limit signs posted at the main entrances?	y	
Are equipment and vehicle operators using designated onsite roads?	y	
Are wheel washers, with a minimum of 20 foot gravel ramps, installed?	na	not yet needed, will deploy when needed
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	y	
Are onsite paved roads swept daily?*	y	as needed
Are paved public roadways within 500 feet of exits swept as needed?*	y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered?	na	no inactive soil stockpiles
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	y	No off-site trucking of soil to date
Are dust plumes visible with the potential to be transported offsite and within 400 feet upwind of any regularly occupied structures not owned by the project owner?	n	
If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form HBEP-CAQ-003).		

* The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices is expressly forbidden.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: 

Date: 09-27 2016 Tuesday

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	n	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	n	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCCM.
Are green or yellow AQCMM tags visible for all diesel off-road engines operating onsite?	y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the HBEP Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	n	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTP
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: Mark Smith

Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTP,
email=marksmith@hbepln.com, c=US
Date: 2016.09.28 14:28:48 -0700

Date: 09-28 2016 Wednesday

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are main access roads onsite paved or stabilized?	y	paved
Are unpaved roads onsite stabilized?	y	
Are unpaved exits graveled?	na	none
Are speed limit signs posted at the main entrances?	y	
Are equipment and vehicle operators using designated onsite roads?	y	
Are wheel washers, with a minimum of 20 foot gravel ramps, installed?	na	not yet needed, will deploy when needed
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	y	
Are onsite paved roads swept daily?*	y	as needed
Are paved public roadways within 500 feet of exits swept as needed?*	y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered?	na	no inactive soil stockpiles
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	y	No off-site trucking of soil to date
Are dust plumes visible with the potential to be transported offsite and within 400 feet upwind of any regularly occupied structures not owned by the project owner?	n	
If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form HBEP-CAQ-003).		

* The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices is expressly forbidden.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature:  **Mark Smith** Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTF,
email=mark.smith@huntingtonbeach.com, c=US
Date: 2016.09.28 14:39:52 -0700

Date: 09-28 2016 Wednesday

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	n	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	n	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are green or yellow AQCMM tags visible for all diesel off-road engines operating onsite?	y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the HBEP Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	n	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTP
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: Mark Smith

Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTP,
email=marksmith@hbepln.com, c=US
Date: 2016.10.10 15:22:07-0700

Date: 09-29 2016 Thursday

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are main access roads onsite paved or stabilized?	y	paved
Are unpaved roads onsite stabilized?	y	
Are unpaved exits graveled?	na	none
Are speed limit signs posted at the main entrances?	y	
Are equipment and vehicle operators using designated onsite roads?	y	
Are wheel washers, with a minimum of 20 foot gravel ramps, installed?	na	not yet needed, will deploy when needed
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	y	
Are onsite paved roads swept daily?*	y	as needed
Are paved public roadways within 500 feet of exits swept as needed?*	y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered?	na	no inactive soil stockpiles
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	y	No off-site trucking of soil to date
Are dust plumes visible with the potential to be transported offsite and within 400 feet upwind of any regularly occupied structures not owned by the project owner?	n	
If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form HBEP-CAQ-003).		

* The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices is expressly forbidden.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: 

Date: 09-29 2016 Thursday

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	n	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	y	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are green or yellow AQCMM tags visible for all diesel off-road engines operating onsite?	y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the HBEP Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	n	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

Genie Z80/60 manlift removed from site 9/29

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: Mark Smith

Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTF,
email=marksmith@hbeplntf.com, c=US
Date: 2016.09.30 14:21:21 -0700

Date: 09-30 2016 Friday

Construction Fugitive Dust Control (AQ-SC3) Checklist Item	Response (yes/no)	If no, describe corrective action required and/or in progress
Are main access roads onsite paved or stabilized?	y	paved
Are unpaved roads onsite stabilized?	y	
Are unpaved exits graveled?	na	none
Are speed limit signs posted at the main entrances?	y	
Are equipment and vehicle operators using designated onsite roads?	y	
Are wheel washers, with a minimum of 20 foot gravel ramps, installed?	na	not yet needed, will deploy when needed
Are Storm Water Pollution Prevention Plan (SWPPP) sandbags or other erosion control measures in place?	y	
Are onsite paved roads swept daily?*	y	as needed
Are paved public roadways within 500 feet of exits swept as needed?*	y	
Are all soil piles and disturbed areas that are inactive for longer than 10 days covered?	na	no inactive soil stockpiles
Are trucks carrying bulk materials covered and/or sufficiently wetted and loaded to achieve at least 2 feet of freeboard prior to leaving the project site?	y	No off-site trucking of soil to date
Are dust plumes visible with the potential to be transported offsite and within 400 feet upwind of any regularly occupied structures not owned by the project owner?	n	
If yes, implement the dust plume response outlined in AQ-SC4 and complete the Visible Dust Plume Response Form (Form HBEP-CAQ-003).		

* The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices is expressly forbidden.

ADDITIONAL NOTES:

Air Quality Construction Mitigation Plan for the Huntington Beach Energy Project, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature:  **Mark Smith**

Date: 09-30 2016 Friday

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
Has any off-road diesel equipment been delivered to the site today?	n	If yes, the onsite Delegate shall: 1.) Contact the equipment owner and request the required equipment/engine data, 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM and 3.) Attach equipment verification tag to equipment.
Has any off-road diesel equipment been removed from the site today?	n	If yes, the onsite Delegate shall: 1.) Collect verification tag and 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
Are green or yellow AQCMM tags visible for all diesel off-road engines operating onsite?	y	If no, the onsite Delegate shall: 1.) Verify equipment is included on the HBEP Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?	y	If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.
Are off-road engine fluid leaks visible?	n	If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.

ADDITIONAL NOTES:

AQ-SC6 Construction Particulate Matter Mitigation Plan

Project: AES Huntington Beach Energy Project

Docket #: 12-AFC-02

Initial sweeping was completed by Nationwide Environmental Services on September 29, 2016 between the hours of 3:00 AM and 6:00 AM. Three TYMCO Model 600 sweepers completed the initial sweeping along the route outlined in the Construction Particulate Matter Mitigation Plan.

Table 3-1. CPMMP Roadway Miles and Estimated Particulate Matter Reductions

Street Name	Roadway Miles	Estimated PM ₁₀ Reductions (lb/day)	Estimated PM _{2.5} Reductions (lb/day)
Newland Street	0.15	0.11	0.03
Brookhurst Street	1.50	3.22	0.80
Hamilton Avenue	1.50	1.52	0.38
Adams Avenue	2.00	4.05	1.01
Total	5.15	8.90	2.23
COC AQ-SC6 Requirement		8.26	0.79

Sweeping will be completed monthly on the 4th Saturday of the month using TYMCO Model 600 SCAQMD Certified CNG alternative fueled street sweepers.



SERVICE PROPOSAL

This service proposal is between AES Huntington Beach, L.L.C. and Nationwide Environmental Services (NES). Nationwide Environmental Services proposes and agrees to perform sweeping services at AES Huntington Beach, 21730 Newland St, Huntington Beach, CA, 92646. Please see attached Figure 1 (Project Location) and Figure 2 (Street Sweeping Route) attached herein.

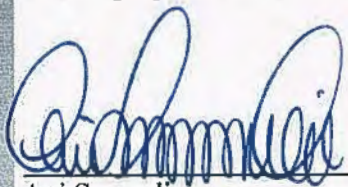
1.0 SERVICE OF CONTRACTOR

- 1.1 Sweeping services will be performed in a competent, professional and satisfactory manner in accordance with the standards prevalent in the industry.
- 1.2 Sweeping services will be performed **One Time per Month** on the 4th Saturday of each month (Figure 1 and Figure 2).
- 1.3 TYMCO Model 600 SCAQMD Certified (Rule 1186 and Rule 1186.1) CNG Alternative Fueled street sweepers will be utilized.
- 1.4 GPS Reports will be submitted along with the invoice.

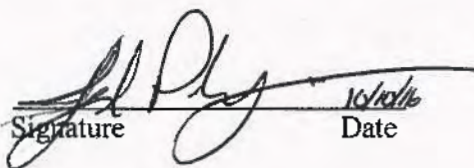
2.0 COST & CONTRACT TERM

- 2.1 The above-mentioned services will cost ~~XXXXXXXXXXXXXXXXXXXX~~
~~XXXXXXXXXXXXXXXXXXXX~~
- 2.2 Invoices will be due within 30 days from the invoice date.

IN WITNESS WHEREOF, if AES Huntington Beach, L.L.C. agrees to the following service proposal they shall sign below.


Ani Samuelian
Vice President

10/10/16
Date


Signature

10/10/16
Date



Legend

- AES Huntington Beach Generating Station
- AES Huntington Beach Energy Project
- Limited Notice to Proceed

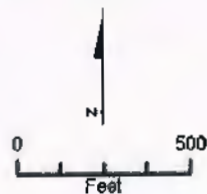


Figure 1. Project Location
 AES Huntington Beach Energy Project
 Huntington Beach, California

Base map Source: ESRI

\\gallard\AES\677360\MapFiles\Huntington_beach\Other\Street_Sweeping\Figure_1_160824.mxd

ch2m.



Legend

- AES Huntington Beach Generating Station
- AES Huntington Beach Energy Project
- Limited Notice to Proceed
- Street Sweeping Route

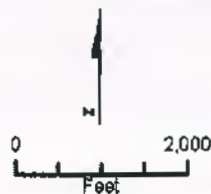


Figure 2. Street Sweeping Route
AES Huntington Beach Energy Project
Huntington Beach, California

Basemap Source: ESRI

\\g01d01\AES\B77300\MapFiles\Huntington_beach\Other\Street_Sweeping\Figure_2_160624.mxd

ch2m:

Appendix F
Worker Environmental Awareness
Program

[illegible]

AES Huntington Beach Energy Project

AES Huntington Beach Energy Project

AES Huntington Beach Energy Project

I, the undersigned individual, have read and understand the compliance measures and agree to comply with all provisions of the program. I am aware that I may incur civil and/or criminal penalties if I do not conform to the required measures.

[illegible]

AES Huntington Beach Energy Project

I, the undersigned individual, have read and understand the compliance measures and agree to comply with all provisions of the program. I am aware that I may incur civil and/or criminal penalties if I do not conform to the required measures.

[illegible]

[illegible]

AES Huntington Beach Energy Project

I, the undersigned individual, have read and understand the compliance measures and agree to comply with all provisions of the program. I am aware that I may incur civil and/or criminal penalties if I do not conform to the required measures.

[illegible]

[illegible]

AES Huntington Beach Energy Project

I, the undersigned individual, have read and understand the compliance measures and agree to comply with all provisions of the program. I am aware that I may incur civil and/or criminal penalties if I do not conform to the required measures.

[illegible]

AES Huntington Beach Energy Project

I, the undersigned individual, have read and understand the compliance measures and agree to comply with all provisions of the program. I am aware that I may incur civil and/or criminal penalties if I do not conform to the required measures.

[illegible]

AES Huntington Beach Energy Project

I, the undersigned individual, have read and understand the compliance measures and agree to comply with all provisions of the program. I am aware that I may incur civil and/or criminal penalties if I do not conform to the required measures.

[illegible]

Ad

[illegible]

AES Huntington Beach Energy Project

AES Huntington Beach Energy Project

I, the undersigned individual, have read and understand the compliance measures and agree to comply with all provisions of the program. I am aware that I may incur civil and/or criminal penalties if I do not conform to the required measures.

[illegible]

AES Huntington Beach Energy Project

[illegible]

[illegible]

Appendix G
Biological Resources Monthly
Summary Report

AES Southland Development LLC

**Biological Resources Monthly
Compliance Report Huntington
Beach Energy Project (12-AFC-02)**

September 2016 Reporting Period

October 2016

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APPENDIX A – BIOLOGICAL RESOURCES DAILY INSPECTION LOGS

APPENDIX B – BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

APPENDIX C – WILDLIFE OBSERVATION FORMS

APPENDIX D – OBSERVED WILDLIFE SPECIES LIST

This Monthly Compliance Report (MCR) summarizes biological resources monitoring activities and documentation conducted during the Limited Notice to Proceed (LNTP) of the Huntington Beach Energy Project (HBEP; see Figure 1) from 1 September through 30 September 2016, in accordance with the Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP). The following biological Conditions of Certification pertaining to monitoring activities covered by this MCR include, but are not limited to:

- BIO-5 Biological Resources Worker Environmental Awareness Program (WEAP);
- BIO-6 Biological Resources Mitigation Implementation and Monitoring Plan;
- BIO-7 General Impact Avoidance Mitigation Measures; and
- BIO-8 Pre-construction Nest Surveys and Impact Minimization Measures for Breeding Birds.

2.0

LNTF MONITORING SUMMARY

This section summarizes biological monitoring activities conducted by CH2M during the September 2016 reporting period. Construction mobilization began August 15, 2016.

Biological monitoring is conducted on a weekly basis (one visit per week). There are no active nests within the LNTF HBEP site. Biological resources daily inspection logs are provided in Appendix A. Biological monitoring resources compliance monitoring logs are provided in Appendix B.

The frequency and duration of monitoring is dependent upon the biological resources located within, as well as transiting through the work area. Biological monitoring will continue on a weekly basis, as well as on-call monitoring, when necessary, until the Designated Biologist determines that a change is necessary for the protection of sensitive biological resources or a reduction in monitoring is warranted because of a lack of biological resources within the site.

All on-site staff receive WEAP training prior to start of work. The hardcopy sign-in training logs for September 2016 will be submitted under separate cover.

2.1

NESTING BIRDS

No active bird nests or nesting behaviors were identified within the LNTF HBEP site during September 2016.

2.3

SPECIAL-STATUS SPECIES

Five special-status avian species were observed within the project vicinity during monitoring, which included the following: Cooper's hawk (*Accipiter cooperii*; California Department of Fish and Wildlife [CDFW] Watch List [WL]), great egret (*Ardea alba*; California Department of Forestry and Fire Protection [CDF] Sensitive [S]), great blue heron (*Ardea herodias*; CDF S), long-billed curlew (*Numenius americanus*; CDFW WL), and double-crested cormorant (*Phalacrocorax auritus*; CDFW WL). One invertebrate, monarch butterfly (*Danaus plexippus* pop. 1 – California overwintering population), was observed within the project vicinity.

2.4 WILDLIFE INJURIES AND MORTALITIES

2.4.1 *Migratory Bird Treaty Act Protected Species*

An injured hawk (*Buteo* sp.) was identified by Mark Smith/Butier Engineering Inc. on September 19, 2016 near the LNTP boundary. The hawk was left undisturbed and flew out of the LNTP boundary. A biological monitoring resources compliance monitoring log is provided in Appendix B along with a record of conversation. A wildlife observation form is included in Appendix C. No addition injured or dead species protected by the Migratory Bird Treaty Act (MBTA) were observed at the project site. A list of avian species observed during the monitoring events are included in Appendix D.

2.4.2 *Other Species*

The skeletal remains of a dead Virginia opossum (*Didelphis virginiana*) were found west of the peaker building, near the landscaped berm. The associated wildlife observation form is provided in Appendix C. No other wildlife injuries or mortalities were observed at the project site. A list of wildlife species observed during the monitoring events are included in Appendix D.

2.5 HAZARDOUS MATERIAL SPILLS

No hazardous material spills have occurred at the project site.

2.6 TRASH

No litter was observed within the project site.

2.7 NON-COMPLIANCE REPORT

No formal non-compliance notifications or incident reports were issued.

Appendix A
Biological Resources Daily
Inspection Logs

Huntington Beach Energy Project (HBEP) - Limited Notice to Proceed

Biological Resources Daily Inspection

Site Supervisor Name: Josh W.	Date: Thursday 09-01-2016 ; Day#14		
Employee/Contractor Name (Company): Mark Smith Butier Engineering Inc. AES HBEP - LNTF	Weather: Temperature (°F): 67@7am ovrcst / 76@2:30pm; Humidity (%): 83%am / 65%@2:30pm Wind Speed (mph): 4am / 12 pm Wind Direction: wsw Cloud Cover (%): 80%@ 10 am; Visibility: 3 sm am / clear @ 1pm visib 5 -10sm Precipitation: 0		
Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1473 or Melissa.Fowler@ch2m.com . In the event the DB cannot be reached, please contact Mark Canfield/Biological Monitor at (949) 510-8230 or Mark.Canfield@ch2m.com . After you have contacted the DB or Biological Monitor, please complete a "Wildlife Observation Form".			
Compliance Verification Checklist - Biological Resources:			
	In Compliance	Action needed	Comments
<u>General Impact Avoidance & Minimization Measures</u>			
Stay within designated work areas (e.g., construction access, staging, etc.)	Y	N	
Trenches, bores, and excavations have been backfilled, sloped at a 3:1 ratio at the ends to provide wildlife escape ramps, or covered completely to prevent wildlife access.	Y	N	
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y	N	
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y	N	
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y	N	

Vehicles and equipment are maintained in proper working condition to minimize the potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials	Y	N	
Litter-free work site - trash and food-related waste are placed in self-closing containers and removed weekly or more frequently from the site.	Y	N	
No firearms or weapons are onsite.	Y	N	None observed
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y	N	
Pesticide management in accordance with standard best management practices (BMPs).	Y	N	
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y	N	None on site
Displaced wildlife	N	N	
Onsite traffic speed limit 15 mph	Y	N	10 TO 12MPH
Pre-construction surveys (nesting birds and bats)	Y	N	
Notes:			

Biological Resources Daily Inspection

Site Supervisor Name: Josh W.	Date: Friday 09-02-2016 ; Day#15		
Employee/Contractor Name (Company): Mark Smith Butier Engineering Inc. AES HBEP - LNTF	Weather: Temperature (°F): 67@7am ovrcst / 75@2:30pm; Humidity (%): 78%am / 62%@2:30pm Wind Speed (mph): 5 am / 12 pm Wind Direction: wsw Cloud Cover (%): 80%@ 10 am; Visibility: 5 sm am / clear @ 1pm visib 10sm Precipitation: 0		
Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1473 or Melissa.Fowler@ch2m.com . In the event the DB cannot be reached, please contact Mark Canfield/Biological Monitor at (949) 510-8230 or Mark.Canfield@ch2m.com . After you have contacted the DB or Biological Monitor, please complete a “Wildlife Observation Form”.			
Compliance Verification Checklist – Biological Resources:			
	In Compliance	Action needed	Comments
<u>General Impact Avoidance & Minimization Measures</u>			
Stay within designated work areas (e.g., construction access, staging, etc.)	Y	N	
Trenches, bores, and excavations have been backfilled, sloped at a 3:1 ratio at the ends to provide wildlife escape ramps, or covered completely to prevent wildlife access.	Y	N	
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y	N	
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y	N	
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y	N	

Vehicles and equipment are maintained in proper working condition to minimize the potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials	Y	N	
Litter-free work site - trash and food-related waste are placed in self-closing containers and removed weekly or more frequently from the site.	Y	N	
No firearms or weapons are onsite.	Y	N	None observed
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y	N	
Pesticide management in accordance with standard best management practices (BMPs).	Y	N	
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y	N	None on site
Displaced wildlife	N	N	
Onsite traffic speed limit 15 mph	Y	N	10 TO 12MPH
Pre-construction surveys (nesting birds and bats)	Y	N	
Notes:			

Huntington Beach Energy Project (HBEP) - Limited Notice to Proceed

Biological Resources Daily Inspection

Site Supervisor Name: Josh W.	Date: Tuesday 09-06-2016 ; Day#16
Employee/Contractor Name (Company): Mark Smith Butier Engineering Inc. AES HBEP - LNTF	Weather: Temperature (°F): 67@7am ovrcst / 75@4:30pm; Humidity (%): 76%am / 56%@4:30pm Wind Speed (mph): 4 am / 14 pm Wind Direction: wsw Cloud Cover (%): 80%@ 9am; Visibility: 5 sm am / clear @ 10am visib 10sm Precipitation: 1%

Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1473 or Melissa.Fowler@ch2m.com. In the event the DB cannot be reached, please contact Mark Canfield/Biological Monitor at (949) 510-8230 or Mark.Canfield@ch2m.com. After you have contacted the DB or Biological Monitor, please complete a "Wildlife Observation Form".

Compliance Verification Checklist - Biological Resources:

	In Compliance	Action needed	Comments
<u>General Impact Avoidance & Minimization Measures</u>			
Stay within designated work areas (e.g., construction access, staging, etc.)	Y	N	
Trenches, bores, and excavations have been backfilled, sloped at a 3:1 ratio at the ends to provide wildlife escape ramps, or covered completely to prevent wildlife access.	Y	N	
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y	N	
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y	N	
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y	N	

Vehicles and equipment are maintained in proper working condition to minimize the potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials	Y	N	
Litter-free work site - trash and food-related waste are placed in self-closing containers and removed weekly or more frequently from the site.	Y	N	
No firearms or weapons are onsite.	Y	N	None observed
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y	N	
Pesticide management in accordance with standard best management practices (BMPs).	Y	N	
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y	N	None on site
Displaced wildlife	N	N	
Onsite traffic speed limit 15 mph	Y	N	10 TO 12MPH
Pre-construction surveys (nesting birds and bats)	Y	N	
Notes:			



Lizard Uncovered in-between Distillate and #5 East fuel tanks



Abandoned Bird Nest Under Pipe. NW corner of East fuel tank containment berm



Close up of abandon nest

See photo images 0962 0963 daily photo files

Biological Resources Daily Inspection

Site Supervisor Name: Josh W.	Date: Wednesday 09-07-2016 ; Day#17		
Employee/Contractor Name (Company): Mark Smith Butier Engineering Inc. AES HBEP - LNTP	Weather: Temperature (°F): 63@7am ovrcst / 74@4:30pm,, cldy ovrcst Humidity (%): 86%am / 65%@4:30pm, cloudy warm Wind Speed (mph): 3 am / 12 pm Wind Direction: wsw Cloud Cover (%): 95%@ 9am; Visibility: 1 sm am, cldy ovrcst; @ 4pm visib 3sm, cloudy overcast 85%cloud cover Precipitation: 1%		
Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1473 or Melissa.Fowler@ch2m.com . In the event the DB cannot be reached, please contact Mark Canfield/Biological Monitor at (949) 510-8230 or Mark.Canfield@ch2m.com . After you have contacted the DB or Biological Monitor, please complete a “Wildlife Observation Form”.			
Compliance Verification Checklist – Biological Resources:			
	In Compliance	Action needed	Comments
<u>General Impact Avoidance & Minimization Measures</u>			
Stay within designated work areas (e.g., construction access, staging, etc.)	Y	N	
Trenches, bores, and excavations have been backfilled, sloped at a 3:1 ratio at the ends to provide wildlife escape ramps, or covered completely to prevent wildlife access.	Y	N	
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y	N	
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y	N	
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y	N	

Vehicles and equipment are maintained in proper working condition to minimize the potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials	Y	N	
Litter-free work site - trash and food-related waste are placed in self-closing containers and removed weekly or more frequently from the site.	Y	N	
No firearms or weapons are onsite.	Y	N	None observed
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y	N	
Pesticide management in accordance with standard best management practices (BMPs).	Y	N	
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y	N	None on site
Displaced wildlife	N	N	
Onsite traffic speed limit 15 mph	Y	N	10 TO 12MPH
Pre-construction surveys (nesting birds and bats)	Y	N	
Notes:			

Biological Resources Daily Inspection

Site Supervisor Name: Josh W.	Date: Wednesday 09-08-2016 ; Day#18		
Employee/Contractor Name (Company): Mark Smith Butier Engineering Inc. AES HBEP - LNTF	Weather: Temperature (°F): 64@7am ovrkst / 74@4:30pm,, clr Humidity (%): 76%am / 65%@4:30pm, warm Wind Speed (mph): 3 am / 14 pm Wind Direction: wsw Cloud Cover (%): 90%@ 9am; Visibility: 1 sm am, cldy ovkst; @ 4pm visibility 3sm, clr Precipitation: 1%		
Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1473 or Melissa.Fowler@ch2m.com . In the event the DB cannot be reached, please contact Mark Canfield/Biological Monitor at (949) 510-8230 or Mark.Canfield@ch2m.com . After you have contacted the DB or Biological Monitor, please complete a “Wildlife Observation Form”.			
Compliance Verification Checklist – Biological Resources:			
	In Compliance	Action needed	Comments
<u>General Impact Avoidance & Minimization Measures</u>			
Stay within designated work areas (e.g., construction access, staging, etc.)	Y	N	
Trenches, bores, and excavations have been backfilled, sloped at a 3:1 ratio at the ends to provide wildlife escape ramps, or covered completely to prevent wildlife access.	Y	N	
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y	N	
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y	N	
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y	N	

Vehicles and equipment are maintained in proper working condition to minimize the potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials	Y	N	
Litter-free work site - trash and food-related waste are placed in self-closing containers and removed weekly or more frequently from the site.	Y	N	
No firearms or weapons are onsite.	Y	N	None observed
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y	N	
Pesticide management in accordance with standard best management practices (BMPs).	Y	N	
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y	N	None on site
Displaced wildlife	N	N	
Onsite traffic speed limit 15 mph	Y	N	10 TO 12MPH
Pre-construction surveys (nesting birds and bats)	Y	N	
Notes:			

AES Southland Development Huntington Beach Energy Project (HBEP) – Limited Notice to Proceed (LNTF)

BIOLOGICAL RESOURCES DAILY INSPECTION LOG

Date	Day	Inspector/Contractor			Inspector/Contractor Company	
09/09/2016	Friday	Mark Smith			AES / GSD / BEI	
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment	
66 am / 74 pm	79 / 65	6 / 14 wsw	N	3sm	Marine overcast am / clr @ 10 / clear warm	
Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1473 or Melissa.Fowler@ch2m.com . In the event the DB cannot be reached, please contact Mark Canfield/Biological Monitor at (949) 510-8230 or Mark.Canfield@ch2m.com . After you have contacted the DB or Biological Monitor, please complete a "Wildlife Observation Form".						
Compliance Verification Checklist – Biological Resources:						
General Impact Avoidance and Minimization Measures			In Compliance Y/N	Action Needed Y/N	Comment	
Stay within designated work areas (e.g., construction access, staging, etc.)			y	n		
Trenches, bores, and excavations have been backfilled, sloped at a 3:1 ratio at the ends to provide wildlife escape ramps, or covered completely to prevent wildlife access.			n/a	n	no earthwork completed to date. Demo phase construction on east tank # 5	
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).			y	n		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.			y	n		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.			y	n	wetted as needed	
Vehicles and equipment are maintained in proper working condition to minimize the potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials			y	n		
Litter-free work site - trash and food-related waste are placed in self-closing containers and removed weekly or more frequently from the site.			y	n		
No firearms or weapons are onsite.			y	n	none observed	
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.			y	n		
Pesticide management in accordance with standard best management practices (BMPs).			y	n		
Exclusion Zones (e.g., no-disturbance buffer for active nests)			y	n	No exclusion zones on site	
Displaced wildlife			y	n		
Onsite traffic speed limit 15 mph			y	n		
Pre-construction surveys (nesting birds and bats)			y	n		
Items Requiring Action/Follow-up						

AES Southland Development Huntington Beach Energy Project (HBEP) – Limited Notice to Proceed (LNTF)

BIOLOGICAL RESOURCES DAILY INSPECTION LOG

Date	Day	Inspector/Contractor			Inspector/Contractor Company
09/12/2016	Monday	Mark Smith			AES / GSD / BEI
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment
65 am / 70 pm	77 / 60	3 / 9 wsw	N	3sm	Marine overcast am / mostly cloudy warm
Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1473 or Melissa.Fowler@ch2m.com . In the event the DB cannot be reached, please contact Mark Canfield/Biological Monitor at (949) 510-8230 or Mark.Canfield@ch2m.com . After you have contacted the DB or Biological Monitor, please complete a "Wildlife Observation Form".					
Compliance Verification Checklist – Biological Resources:					
General Impact Avoidance and Minimization Measures		In Compliance Y/N	Action Needed Y/N	Comment	
Stay within designated work areas (e.g., construction access, staging, etc.)		y	n		
Trenches, bores, and excavations have been backfilled, sloped at a 3:1 ratio at the ends to provide wildlife escape ramps, or covered completely to prevent wildlife access.		n/a	n	no earthwork completed to date. Demo phase construction on east tank # 5	
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).		y	n		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.		y	n		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.		y	n	wetted as needed	
Vehicles and equipment are maintained in proper working condition to minimize the potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials		y	n		
Litter-free work site - trash and food-related waste are placed in self-closing containers and removed weekly or more frequently from the site.		y	n		
No firearms or weapons are onsite.		y	n	none observed	
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.		y	n		
Pesticide management in accordance with standard best management practices (BMPs).		y	n		
Exclusion Zones (e.g., no-disturbance buffer for active nests)		y	n	No exclusion zones on site	
Displaced wildlife		y	n		
Onsite traffic speed limit 15 mph		y	n		
Pre-construction surveys (nesting birds and bats)		y	n		
Items Requiring Action/Follow-up					

AES Southland Development Huntington Beach Energy Project (HBEP) – Limited Notice to Proceed (LNTF)

BIOLOGICAL RESOURCES DAILY INSPECTION LOG

Date	Day	Inspector/Contractor			Inspector/Contractor Company	
09/13/2016	Tuesday	Mark Smith			AES / GSD / BEI	
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment	
64 am / 70 pm	77 / 63	3 / 12 wsw	N	3sm	Marine overcast cloudy am / mostly clear warm	
Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1473 or Melissa.Fowler@ch2m.com . In the event the DB cannot be reached, please contact Mark Canfield/Biological Monitor at (949) 510-8230 or Mark.Canfield@ch2m.com . After you have contacted the DB or Biological Monitor, please complete a "Wildlife Observation Form".						
Compliance Verification Checklist – Biological Resources:						
General Impact Avoidance and Minimization Measures			In Compliance Y/N	Action Needed Y/N	Comment	
Stay within designated work areas (e.g., construction access, staging, etc.)			y	n		
Trenches, bores, and excavations have been backfilled, sloped at a 3:1 ratio at the ends to provide wildlife escape ramps, or covered completely to prevent wildlife access.			n/a	n	no earthwork completed to date. Demo phase construction on east tank # 5	
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).			y	n		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.			y	n		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.			y	n	wetted as needed	
Vehicles and equipment are maintained in proper working condition to minimize the potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials			y	n		
Litter-free work site - trash and food-related waste are placed in self-closing containers and removed weekly or more frequently from the site.			y	n		
No firearms or weapons are onsite.			y	n	none observed	
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.			y	n		
Pesticide management in accordance with standard best management practices (BMPs).			y	n		
Exclusion Zones (e.g., no-disturbance buffer for active nests)			y	n	No exclusion zones on site	
Displaced wildlife			y	n		
Onsite traffic speed limit 15 mph			y	n		
Pre-construction surveys (nesting birds and bats)			y	n		
Items Requiring Action/Follow-up						
none						

AES Southland Development Huntington Beach Energy Project (HBEP) – Limited Notice to Proceed (LNTF)

BIOLOGICAL RESOURCES DAILY INSPECTION LOG

Date	Day	Inspector/Contractor			Inspector/Contractor Company
09/14/2016	Wednesday	Mark Smith			AES / GSD / BEI
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment
62 am / 70 pm	69 / 55	3 / 15 wsw	N	50sm	Cloudy am / clear warm
<p>Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1473 or Melissa.Fowler@ch2m.com. In the event the DB cannot be reached, please contact Mark Canfield/Biological Monitor at (949) 510-8230 or Mark.Canfield@ch2m.com. After you have contacted the DB or Biological Monitor, please complete a "Wildlife Observation Form".</p>					
<p>Compliance Verification Checklist – Biological Resources:</p>					
General Impact Avoidance and Minimization Measures		In Compliance Y/N	Action Needed Y/N	Comment	
Stay within designated work areas (e.g., construction access, staging, etc.)		y	n		
Trenches, bores, and excavations have been backfilled, sloped at a 3:1 ratio at the ends to provide wildlife escape ramps, or covered completely to prevent wildlife access.		n/a	n	no earthwork completed to date. Demo phase construction on east tank # 5	
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).		y	n		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.		y	n		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.		y	n	wetted as needed	
Vehicles and equipment are maintained in proper working condition to minimize the potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials		y	n		
Litter-free work site - trash and food-related waste are placed in self-closing containers and removed weekly or more frequently from the site.		y	n		
No firearms or weapons are onsite.		y	n	none observed	
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.		y	n		
Pesticide management in accordance with standard best management practices (BMPs).		y	n		
Exclusion Zones (e.g., no-disturbance buffer for active nests)		y	n	No exclusion zones on site	
Displaced wildlife		y	n		
Onsite traffic speed limit 15 mph		y	n		
Pre-construction surveys (nesting birds and bats)		y	n		
<p>Items Requiring Action/Follow-up</p>					

AES Southland Development Huntington Beach Energy Project (HBEP) – Limited Notice to Proceed (LNTF)

BIOLOGICAL RESOURCES DAILY INSPECTION LOG

Date	Day	Inspector/Contractor			Inspector/Contractor Company
09/15/2016	Thursday	Mark Smith			AES / GSD / BEI
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment
62 am / 72 pm	86 / 59	2 / 12 wsw	N	25sm	clear am / clear warm
<p>Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1473 or Melissa.Fowler@ch2m.com. In the event the DB cannot be reached, please contact Mark Canfield/Biological Monitor at (949) 510-8230 or Mark.Canfield@ch2m.com. After you have contacted the DB or Biological Monitor, please complete a "Wildlife Observation Form".</p>					
<p>Compliance Verification Checklist – Biological Resources:</p>					
General Impact Avoidance and Minimization Measures		In Compliance Y/N	Action Needed Y/N	Comment	
Stay within designated work areas (e.g., construction access, staging, etc.)		y	n		
Trenches, bores, and excavations have been backfilled, sloped at a 3:1 ratio at the ends to provide wildlife escape ramps, or covered completely to prevent wildlife access.		n/a	n	no earthwork completed to date. Demo phase construction on east tank # 5	
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).		y	n		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.		y	n		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.		y	n	wetted as needed	
Vehicles and equipment are maintained in proper working condition to minimize the potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials		y	n		
Litter-free work site - trash and food-related waste are placed in self-closing containers and removed weekly or more frequently from the site.		y	n		
No firearms or weapons are onsite.		y	n	none observed	
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.		y	n		
Pesticide management in accordance with standard best management practices (BMPs).		y	n		
Exclusion Zones (e.g., no-disturbance buffer for active nests)		y	n	No exclusion zones on site	
Displaced wildlife		y	n		
Onsite traffic speed limit 15 mph		y	n		
Pre-construction surveys (nesting birds and bats)		y	n		
<p>Items Requiring Action/Follow-up</p>					
none					

AES Southland Development Huntington Beach Energy Project (HBEP) – Limited Notice to Proceed (LNTF)

BIOLOGICAL RESOURCES DAILY INSPECTION LOG

Date	Day	Inspector/Contractor			Inspector/Contractor Company	
09/16/2016	Friday	Mark Smith			AES / GSD / BEI	
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment	
62 am / 72 pm	88 / 55	1 / 10 wsw	N	25sm	partly cloudy then clear am / clear warm	
<p>Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1473 or Melissa.Fowler@ch2m.com. In the event the DB cannot be reached, please contact Mark Canfield/Biological Monitor at (949) 510-8230 or Mark.Canfield@ch2m.com. After you have contacted the DB or Biological Monitor, please complete a "Wildlife Observation Form".</p>						
<p>Compliance Verification Checklist – Biological Resources:</p>						
General Impact Avoidance and Minimization Measures			In Compliance Y/N	Action Needed Y/N	Comment	
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Trenches, bores, and excavations have been backfilled, sloped at a 3:1 ratio at the ends to provide wildlife escape ramps, or covered completely to prevent wildlife access.			n/a	n	no earthwork completed to date. Demo phase construction on east tank # 5	
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).			y	n		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.			y	n		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.			y	n	wetted as needed	
Vehicles and equipment are maintained in proper working condition to minimize the potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials			y	n		
Litter-free work site - trash and food-related waste are placed in self-closing containers and removed weekly or more frequently from the site.			y	n		
No firearms or weapons are onsite.			y	n	none observed	
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.			y	n	none used to date	
Pesticide management in accordance with standard best management practices (BMPs).			y	n		
Exclusion Zones (e.g., no-disturbance buffer for active nests)			y	n	No exclusion zones on site	
Displaced wildlife			y	n		
Onsite traffic speed limit 15 mph			y	n		
Pre-construction surveys (nesting birds and bats)			y	n		
<p>Items Requiring Action/Follow-up</p>						
<p>none</p>						

AES Southland Development Huntington Beach Energy Project (HBEP) – Limited Notice to Proceed (LNTP)

BIOLOGICAL RESOURCES DAILY INSPECTION LOG

Date	Day	Inspector/Contractor			Inspector/Contractor Company	
09/19/2016	monday	Mark Smith			AES / GSD / BEI	
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment	
67 am / 75 pm	91 / 57	6 / 14 wsw	N	5-8sm	marine layer am then partly cloudy pm	
<p>Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1473 or Melissa.Fowler@ch2m.com. In the event the DB cannot be reached, please contact Mark Canfield/Biological Monitor at (949) 510-8230 or Mark.Canfield@ch2m.com. After you have contacted the DB or Biological Monitor, please complete a “Wildlife Observation Form”.</p>						
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No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).			y	n		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.			y	n		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.			y	n	wetted as needed	
Vehicles and equipment are maintained in proper working condition to minimize the potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials			y	n		
Litter-free work site - trash and food-related waste are placed in self-closing containers and removed weekly or more frequently from the site.			y	n		
No firearms or weapons are onsite.			y	n	none observed	
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.			y	n	none used to date	
Pesticide management in accordance with standard best management practices (BMPs).			y	n		
Exclusion Zones (e.g., no-disturbance buffer for active nests)			y	n	No exclusion zones on site	
Displaced wildlife			y	n		
Onsite traffic speed limit 15 mph			y	n	12mph / construction zone 10mph	
Pre-construction surveys (nesting birds and bats)			y	n		
<p>Items Requiring Action/Follow-up</p>						
<p>Distressed Hawk observed in the am scan. Isolated and left alone, the bird presumably flew away before afternoon hours. See WOF this date.</p>						

AES Southland Development Huntington Beach Energy Project (HBEP) – Limited Notice to Proceed (LNTF)

BIOLOGICAL RESOURCES DAILY INSPECTION LOG

Date	Day	Inspector/Contractor			Inspector/Contractor Company
09/20/2016	Tuesday	Mark Smith			AES / GSD / BEI
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment
70 am / 78 pm	65 / 59	1 / 8 wsw	N	sm	marine layer cloudy am then mostly cloudy pm
Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1473 or Melissa.Fowler@ch2m.com . In the event the DB cannot be reached, please contact Mark Canfield/Biological Monitor at (949) 510-8230 or Mark.Canfield@ch2m.com . After you have contacted the DB or Biological Monitor, please complete a "Wildlife Observation Form".					
Compliance Verification Checklist – Biological Resources:					
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Stay within designated work areas (e.g., construction access, staging, etc.)		y	n		
Trenches, bores, and excavations have been backfilled, sloped at a 3:1 ratio at the ends to provide wildlife escape ramps, or covered completely to prevent wildlife access.		n/a	n	no earthwork completed to date. Demo phase construction on east tank # 5	
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).		y	n		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.		y	n		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.		y	n	wetted as needed	
Vehicles and equipment are maintained in proper working condition to minimize the potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials		y	n		
Litter-free work site - trash and food-related waste are placed in self-closing containers and removed weekly or more frequently from the site.		y	n		
No firearms or weapons are onsite.		y	n	none observed	
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.		y	n	none used to date	
Pesticide management in accordance with standard best management practices (BMPs).		y	n		
Exclusion Zones (e.g., no-disturbance buffer for active nests)		y	n	No exclusion zones on site	
Displaced wildlife		y	n		
Onsite traffic speed limit 15 mph		y	n	12mph / construction zone 10mph	
Pre-construction surveys (nesting birds and bats)		y	n		
Items Requiring Action/Follow-up					
A juvenile Gopher Snake was observed near the Peaker building demo site. The animal was relocated to a safer landscape area outside of the construction zone. See WOF this date.					

AES Southland Development Huntington Beach Energy Project (HBEP) – Limited Notice to Proceed (LNTF)

BIOLOGICAL RESOURCES DAILY INSPECTION LOG

Date	Day	Inspector/Contractor			Inspector/Contractor Company
09/21/2016	Wednesday	Mark Smith			AES / GSD / BEI
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment
70 am / 76 pm	85 / 57	1 / 12 wsw	N	sm	marine layer cloudy am then partly cloudy pm
<p>Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1473 or Melissa.Fowler@ch2m.com. In the event the DB cannot be reached, please contact Mark Canfield/Biological Monitor at (949) 510-8230 or Mark.Canfield@ch2m.com. After you have contacted the DB or Biological Monitor, please complete a "Wildlife Observation Form".</p>					
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General Impact Avoidance and Minimization Measures		In Compliance Y/N	Action Needed Y/N	Comment	
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No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).		y	n		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.		y	n		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.		y	n	wetted as needed	
Vehicles and equipment are maintained in proper working condition to minimize the potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials		y	n		
Litter-free work site - trash and food-related waste are placed in self-closing containers and removed weekly or more frequently from the site.		y	n		
No firearms or weapons are onsite.		y	n	none observed	
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.		y	n	none used to date	
Pesticide management in accordance with standard best management practices (BMPs).		y	n		
Exclusion Zones (e.g., no-disturbance buffer for active nests)		y	n	No exclusion zones on site	
Displaced wildlife		y	n		
Onsite traffic speed limit 15 mph		y	n	12mph / construction zone 10mph	
Pre-construction surveys (nesting birds and bats)		y	n		
<p>Items Requiring Action/Follow-up</p>					
<p>Skeletal remains of an Opossum observed and documented. See WOF this date.</p>					

AES Southland Development Huntington Beach Energy Project (HBEP) – Limited Notice to Proceed (LNTF)

BIOLOGICAL RESOURCES DAILY INSPECTION LOG

Date	Day	Inspector/Contractor			Inspector/Contractor Company
09/22/2016	Thursday	Mark Smith			AES / GSD / BEI
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment
67 am / 72 pm	83 / 50	9 / 14 wsw	N	sm	marine layer cloudy am then clr & partly cloudy p
<p>Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1473 or Melissa.Fowler@ch2m.com. In the event the DB cannot be reached, please contact Mark Canfield/Biological Monitor at (949) 510-8230 or Mark.Canfield@ch2m.com. After you have contacted the DB or Biological Monitor, please complete a "Wildlife Observation Form".</p>					
Compliance Verification Checklist – Biological Resources:					
General Impact Avoidance and Minimization Measures		In Compliance Y/N	Action Needed Y/N	Comment	
Stay within designated work areas (e.g., construction access, staging, etc.)		y	n		
Trenches, bores, and excavations have been backfilled, sloped at a 3:1 ratio at the ends to provide wildlife escape ramps, or covered completely to prevent wildlife access.		n/a	n	no earthwork completed to date. Demo phase construction on east tank # 5	
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).		y	n		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.		y	n		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.		y	n	wetted as needed	
Vehicles and equipment are maintained in proper working condition to minimize the potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials		y	n		
Litter-free work site - trash and food-related waste are placed in self-closing containers and removed weekly or more frequently from the site.		y	n		
No firearms or weapons are onsite.		y	n	none observed	
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.		y	n	none used to date	
Pesticide management in accordance with standard best management practices (BMPs).		y	n		
Exclusion Zones (e.g., no-disturbance buffer for active nests)		y	n	No exclusion zones on site	
Displaced wildlife		y	n		
Onsite traffic speed limit 15 mph		y	n	12mph / construction zone 10mph	
Pre-construction surveys (nesting birds and bats)		y	n		
Items Requiring Action/Follow-up					

AES Southland Development Huntington Beach Energy Project (HBEP) – Limited Notice to Proceed (LNTF)

BIOLOGICAL RESOURCES DAILY INSPECTION LOG

Date	Day	Inspector/Contractor			Inspector/Contractor Company	
09/23/2016	Friday	Mark Smith			AES / GSD / BEI	
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment	
61 am / 74 pm	75 / 47	5 / 14 wsw	N	sm	thin marine layer prtly cldy/ am then clr/ pm	
<p>Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1473 or Melissa.Fowler@ch2m.com. In the event the DB cannot be reached, please contact Mark Canfield/Biological Monitor at (949) 510-8230 or Mark.Canfield@ch2m.com. After you have contacted the DB or Biological Monitor, please complete a “Wildlife Observation Form”.</p>						
<p>Compliance Verification Checklist – Biological Resources:</p>						
General Impact Avoidance and Minimization Measures			In Compliance Y/N	Action Needed Y/N	Comment	
Stay within designated work areas (e.g., construction access, staging, etc.)			y	n		
Trenches, bores, and excavations have been backfilled, sloped at a 3:1 ratio at the ends to provide wildlife escape ramps, or covered completely to prevent wildlife access.			n/a	n	no earthwork completed to date. Demo phase construction on east tank # 5	
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).			y	n		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.			y	n		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.			y	n	wetted as needed	
Vehicles and equipment are maintained in proper working condition to minimize the potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials			y	n		
Litter-free work site - trash and food-related waste are placed in self-closing containers and removed weekly or more frequently from the site.			y	n		
No firearms or weapons are onsite.			y	n	none observed	
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.			y	n	none used to date	
Pesticide management in accordance with standard best management practices (BMPs).			y	n		
Exclusion Zones (e.g., no-disturbance buffer for active nests)			y	n	No exclusion zones on site	
Displaced wildlife			y	n		
Onsite traffic speed limit 15 mph			y	n	12mph / construction zone 10mph	
Pre-construction surveys (nesting birds and bats)			y	n		
<p>Items Requiring Action/Follow-up</p>						

AES Southland Development Huntington Beach Energy Project (HBEP) – Limited Notice to Proceed (LNTF)

BIOLOGICAL RESOURCES DAILY INSPECTION LOG

Date	Day	Inspector/Contractor			Inspector/Contractor Company	
09/26/2016	Monday	Mark Smith			AES / GSD / BEI	
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment	
67 am / 100 pm	41 / 16	3 / 17 wsw	N	40 sm	clear / am until 2pm then mostly cloudy / pm	
<p>Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1473 or Melissa.Fowler@ch2m.com. In the event the DB cannot be reached, please contact Mark Canfield/Biological Monitor at (949) 510-8230 or Mark.Canfield@ch2m.com. After you have contacted the DB or Biological Monitor, please complete a “Wildlife Observation Form”.</p>						
<p>Compliance Verification Checklist – Biological Resources:</p>						
General Impact Avoidance and Minimization Measures			In Compliance Y/N	Action Needed Y/N	Comment	
Stay within designated work areas (e.g., construction access, staging, etc.)			y	n		
Trenches, bores, and excavations have been backfilled, sloped at a 3:1 ratio at the ends to provide wildlife escape ramps, or covered completely to prevent wildlife access.			n/a	n	no earthwork completed to date. Demo phase construction on east tank # 5	
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).			y	n		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.			y	n		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.			y	n	wetted as needed	
Vehicles and equipment are maintained in proper working condition to minimize the potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials			y	n		
Litter-free work site - trash and food-related waste are placed in self-closing containers and removed weekly or more frequently from the site.			y	n		
No firearms or weapons are onsite.			y	n	none observed	
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.			y	n	none used to date	
Pesticide management in accordance with standard best management practices (BMPs).			y	n		
Exclusion Zones (e.g., no-disturbance buffer for active nests)			y	n	No exclusion zones on site	
Displaced wildlife			y	n		
Onsite traffic speed limit 15 mph			y	n	12mph / construction zone 10mph	
Pre-construction surveys (nesting birds and bats)			y	n		
<p>Items Requiring Action/Follow-up</p>						

AES Southland Development Huntington Beach Energy Project (HBEP) – Limited Notice to Proceed (LNTF)

BIOLOGICAL RESOURCES DAILY INSPECTION LOG

Date	Day	Inspector/Contractor			Inspector/Contractor Company	
09/27/2016	Tuesday	Mark Smith			AES / GSD / BEI	
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment	
74 am / 90 pm	37 / 23	2 / 12 wsw	N	25 sm	clear / am until 2pm then scattered high clouds	
Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1473 or Melissa.Fowler@ch2m.com . In the event the DB cannot be reached, please contact Mark Canfield/Biological Monitor at (949) 510-8230 or Mark.Canfield@ch2m.com . After you have contacted the DB or Biological Monitor, please complete a "Wildlife Observation Form".						
Compliance Verification Checklist – Biological Resources:						
General Impact Avoidance and Minimization Measures			In Compliance Y/N	Action Needed Y/N	Comment	
Stay within designated work areas (e.g., construction access, staging, etc.)			y	n		
Trenches, bores, and excavations have been backfilled, sloped at a 3:1 ratio at the ends to provide wildlife escape ramps, or covered completely to prevent wildlife access.			n/a	n	no earthwork completed to date. Demo phase construction on east tank # 5	
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).			y	n		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.			y	n		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.			y	n	wetted as needed	
Vehicles and equipment are maintained in proper working condition to minimize the potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials			y	n		
Litter-free work site - trash and food-related waste are placed in self-closing containers and removed weekly or more frequently from the site.			y	n		
No firearms or weapons are onsite.			y	n	none observed	
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.			y	n	none used to date	
Pesticide management in accordance with standard best management practices (BMPs).			y	n		
Exclusion Zones (e.g., no-disturbance buffer for active nests)			y	n	No exclusion zones on site	
Displaced wildlife			y	n		
Onsite traffic speed limit 15 mph			y	n	12mph / construction zone 10mph	
Pre-construction surveys (nesting birds and bats)			y	n		
Items Requiring Action/Follow-up						

AES Southland Development Huntington Beach Energy Project (HBEP) – Limited Notice to Proceed (LNTF)

BIOLOGICAL RESOURCES DAILY INSPECTION LOG

Date	Day	Inspector/Contractor			Inspector/Contractor Company
09/28/2016	Wednesday	Mark Smith			AES / GSD / BEI
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment
70 am / 82 pm	67 / 38	2 / 13 wsw	N	10 am / 20 pm	mostly clr/am Clr w/ distant T-storms
<p>Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1473 or Melissa.Fowler@ch2m.com. In the event the DB cannot be reached, please contact Mark Canfield/Biological Monitor at (949) 510-8230 or Mark.Canfield@ch2m.com. After you have contacted the DB or Biological Monitor, please complete a "Wildlife Observation Form".</p>					
Compliance Verification Checklist – Biological Resources:					
General Impact Avoidance and Minimization Measures		In Compliance Y/N	Action Needed Y/N	Comment	
Stay within designated work areas (e.g., construction access, staging, etc.)		y	n		
Trenches, bores, and excavations have been backfilled, sloped at a 3:1 ratio at the ends to provide wildlife escape ramps, or covered completely to prevent wildlife access.		y	n	no earthwork completed to date. Demo phase construction on east tank # 5	
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).		y	n		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.		y	n		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.		y	n	wetted as needed	
Vehicles and equipment are maintained in proper working condition to minimize the potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials		y	n		
Litter-free work site - trash and food-related waste are placed in self-closing containers and removed weekly or more frequently from the site.		y	n		
No firearms or weapons are onsite.		y	n	none observed	
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.		y	n	none used to date	
Pesticide management in accordance with standard best management practices (BMPs).		y	n		
Exclusion Zones (e.g., no-disturbance buffer for active nests)		y	n	No exclusion zones on site	
Displaced wildlife		y	n		
Onsite traffic speed limit 15 mph		y	n	12mph / construction zone 10mph	
Pre-construction surveys (nesting birds and bats)		y	n		
Items Requiring Action/Follow-up					

AES Southland Development Huntington Beach Energy Project (HBEP) – Limited Notice to Proceed (LNTF)

BIOLOGICAL RESOURCES DAILY INSPECTION LOG

Date	Day	Inspector/Contractor			Inspector/Contractor Company	
09/29/2016	Thursday	Mark Smith			AES / GSD / BEI	
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment	
69 am / 77 pm	65 / 50	2 / 11 wsw	N	10 am / 25 pm	mostly clr/am Clr w/ distant T-storms	
<p>Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1473 or Melissa.Fowler@ch2m.com. In the event the DB cannot be reached, please contact Mark Canfield/Biological Monitor at (949) 510-8230 or Mark.Canfield@ch2m.com. After you have contacted the DB or Biological Monitor, please complete a "Wildlife Observation Form".</p>						
<p>Compliance Verification Checklist – Biological Resources:</p>						
General Impact Avoidance and Minimization Measures			In Compliance Y/N	Action Needed Y/N	Comment	
Stay within designated work areas (e.g., construction access, staging, etc.)			y	n		
Trenches, bores, and excavations have been backfilled, sloped at a 3:1 ratio at the ends to provide wildlife escape ramps, or covered completely to prevent wildlife access.			y	n	no earthwork completed to date. Demo phase construction on east tank # 5	
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).			y	n		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.			y	n		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.			y	n	wetted as needed	
Vehicles and equipment are maintained in proper working condition to minimize the potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials			y	n		
Litter-free work site - trash and food-related waste are placed in self-closing containers and removed weekly or more frequently from the site.			y	n		
No firearms or weapons are onsite.			y	n	none observed	
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.			y	n	none used to date	
Pesticide management in accordance with standard best management practices (BMPs).			y	n		
Exclusion Zones (e.g., no-disturbance buffer for active nests)			y	n	No exclusion zones on site	
Displaced wildlife			y	n		
Onsite traffic speed limit 15 mph			y	n	12mph / construction zone 10mph	
Pre-construction surveys (nesting birds and bats)			y	n		
<p>Items Requiring Action/Follow-up</p>						

AES Southland Development Huntington Beach Energy Project (HBEP) – Limited Notice to Proceed (LNTF)

BIOLOGICAL RESOURCES DAILY INSPECTION LOG

Date	Day	Inspector/Contractor			Inspector/Contractor Company	
09/30/2016	Friday	Mark Smith			AES / GSD / BEI	
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment	
67 am / 78 pm	76 / 46	2 / 12 wsw	N	10 am / 20 pm	mostly clr/am Clr w/ distant T-storms	
<p>Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1473 or Melissa.Fowler@ch2m.com. In the event the DB cannot be reached, please contact Mark Canfield/Biological Monitor at (949) 510-8230 or Mark.Canfield@ch2m.com. After you have contacted the DB or Biological Monitor, please complete a “Wildlife Observation Form”.</p>						
<p>Compliance Verification Checklist – Biological Resources:</p>						
General Impact Avoidance and Minimization Measures			In Compliance Y/N	Action Needed Y/N	Comment	
Stay within designated work areas (e.g., construction access, staging, etc.)			y	n		
Trenches, bores, and excavations have been backfilled, sloped at a 3:1 ratio at the ends to provide wildlife escape ramps, or covered completely to prevent wildlife access.			y	n	No earthwork completed to date. Demo phase, No Trenches/bores/excavations	
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).			y	n		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.			y	n		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.			y	n	wetted as needed	
Vehicles and equipment are maintained in proper working condition to minimize the potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials			y	n		
Litter-free work site - trash and food-related waste are placed in self-closing containers and removed weekly or more frequently from the site.			y	n		
No firearms or weapons are onsite.			y	n	none observed	
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.			y	n	none used to date	
Pesticide management in accordance with standard best management practices (BMPs).			y	n		
Exclusion Zones (e.g., no-disturbance buffer for active nests)			y	n	No exclusion zones on site	
Displaced wildlife			y	n		
Onsite traffic speed limit 15 mph			y	n	12mph / construction zone 10mph	
Pre-construction surveys (nesting birds and bats)			y	n		
<p>Items Requiring Action/Follow-up</p>						

Appendix B
Biological Resources Compliance
Monitoring Logs

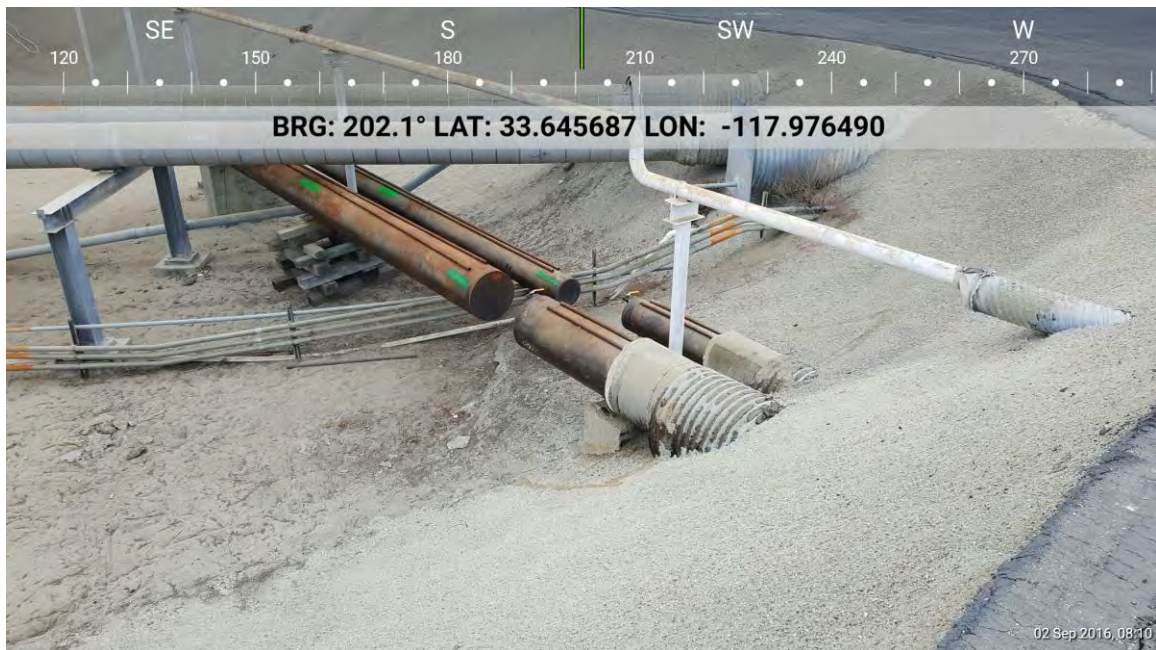
AES Southland Development Huntington Beach Energy Project (HBEP)					
BIOLOGICAL RESOURCES					
COMPLIANCE MONITORING LOG					
Date		Monitor			Time (Begin-End)
September 02, 2016		Mark Canfield			0740-1205
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment
73	71	1-3	N	Good	Overcast
Location(s) of Work Site Activities Monitored					
AES HBEP Limited Notice to Proceed (LNTF) disturbance area.					
Summary of Biological Resources Monitoring Observations					
<p>The biologist conducted a thorough biological resources monitoring survey for special-status species and nesting birds on the AES HBEP LNTF site. The survey included: the fuel oil AST tank and basin; the compressor building, peaker building 5, the maintenance storage building and adjacent parking lot area.</p> <p>Bird/Nesting Birds Observations:</p> <ul style="list-style-type: none"> No active bird nests or courtship and nesting behavior was observed during today's monitoring event. <p>Special Status Species Observed:</p> <ul style="list-style-type: none"> Two (2) great blue heron (<i>Ardea herodias</i>) (CDF-S) were observed foraging in the upper Magnolia Marsh wetlands. A great egret (<i>Ardea alba</i>) (CDF-S) was observed foraging in the upper Magnolia Marsh wetlands. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> Raccoon (<i>Procyon lotor</i>) tracks observed at several locations on project site. 					
Items Requiring Action/Follow-up					
<ul style="list-style-type: none"> Open vaults on each end of the access road, on the northwest area of the project site (Photo 1). An escape ramp should be installed at west vault (yellow arrow) to prevent wildlife entrapment. 					
Wildlife Species Observed:					
<ul style="list-style-type: none"> American crow (<i>Corvus brachyrhynchos</i>), belted kingfisher (<i>Megasceryle alcyon</i>), great blue heron, great egret, long-billed curlew (<i>Numenius americanus</i>), mourning dove (<i>Zenaida macroura</i>), red-tailed hawk (<i>Buteo jamaicensis</i>), rock pigeon (<i>Columba livia</i>), gull (<i>Larus</i> sp.), snowy egret (<i>Egretta thula</i>) 					

Photo 1



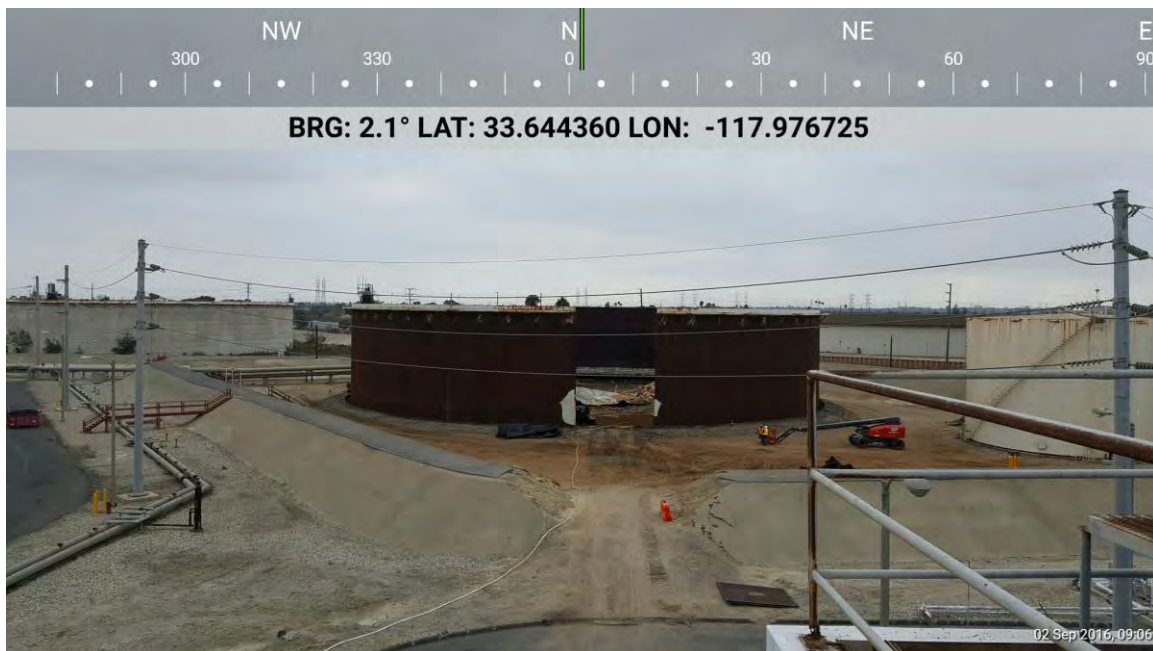
Location	Pipeline vaults at access road, northwest area of project site.	Description	Open vaults on each end of the access road (yellow circles). An escape ramp should be installed at west vault (yellow arrow) to prevent wildlife entrapment.
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Photo 2



Location	Fuel tank basin	Description	Pipeline ends capped.
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Photo 3



Location	Fuel tank.	Description	Construction crew conducting demolition of fuel tank.
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Photo 4



Location	Northwest area of project site.	Description	Raccoon (<i>Procyon lotor</i>) tracks.
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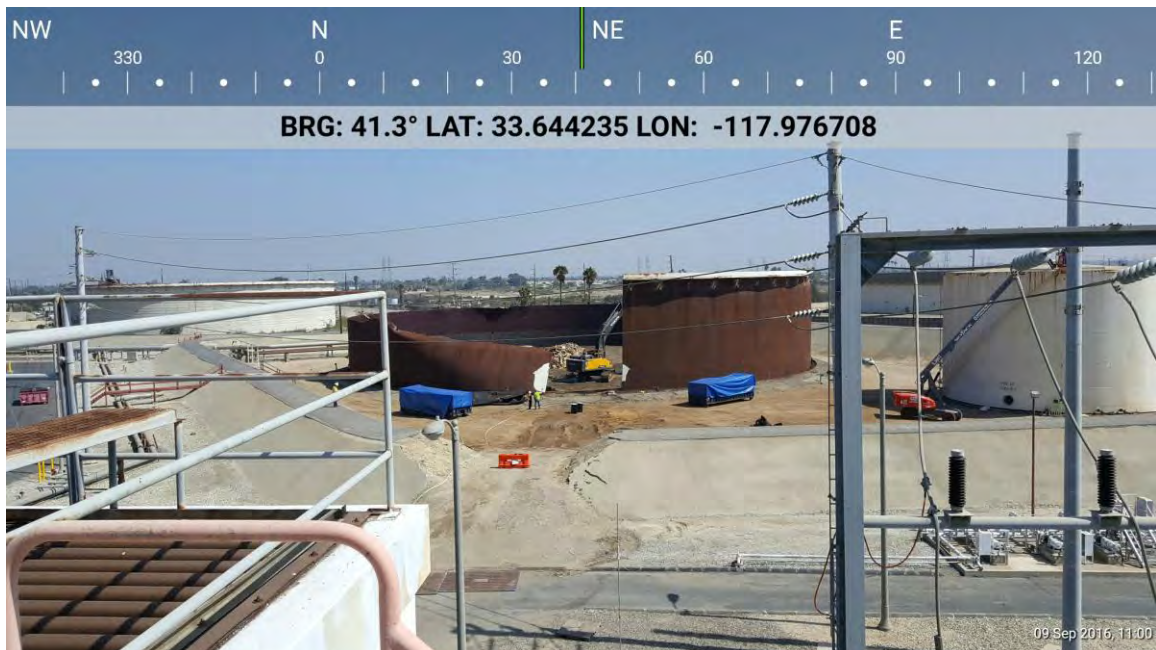
AES Southland Development Huntington Beach Energy Project (HBEP)					
BIOLOGICAL RESOURCES					
COMPLIANCE MONITORING LOG					
Date		Monitor			Time (Begin-End)
September 09, 2016		Mark Canfield			0830-1130
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment
72	60	1-3	N	Good	Overcast, clearing in the late morning.
Location(s) of Work Site Activities Monitored					
<p>AES HBEP Limited Notice to Proceed (LNTP) disturbance area: The fuel oil AST tank and basin; the compressor building, peaker building 5, the maintenance storage building, and adjacent parking lot area. The adjacent Magnolia Marsh wetlands were also monitored for wildlife activity using binoculars.</p>					
Construction Activity Observed					
<p>Demolition of fuel oil AST tank.</p>					
Summary of Biological Resources Monitoring Observations					
<p>The biologist conducted a thorough biological resources monitoring survey for special-status species and nesting birds on the AES HBEP LNTP site.</p> <p>Bird/Nesting Birds Observations:</p> <ul style="list-style-type: none"> No active bird nests or courtship and nesting behavior was observed during today's monitoring event. <p>Special Status Species Observed:</p> <ul style="list-style-type: none"> One great blue heron (<i>Ardea herodias</i>) (CDF-S) was observed foraging in the upper Magnolia Marsh wetlands. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> None 					
Items Requiring Action/Follow-up					
<ul style="list-style-type: none"> Open vaults on each end of the access road, on the northwest area of the project site (Photo 1). An escape ramp should be installed at west vault to prevent wildlife entrapment. 					
Wildlife Species Observed:					
<ul style="list-style-type: none"> American crow (<i>Corvus brachyrhynchos</i>), great blue heron, mourning dove (<i>Zenaida macroura</i>), red-tailed hawk (<i>Buteo jamaicensis</i>), rock pigeon (<i>Columba livia</i>), gull (<i>Larus sp.</i>), snowy egret (<i>Egretta thula</i>) 					

Photo 1



Location	Pipeline vaults at access road, northwest area of project site.	Description	Last week's photo: Open vaults on each end of the access road (yellow circles). An escape ramp should be installed at west vault (yellow arrow) to prevent wildlife entrapment.
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Photo 2



Location	Fuel oil AST tank.	Description	Demolition crew razing fuel oil tank.
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Photo 3



Location	Maintenance storage building.	Description	Construction crew staging in maintenance storage building.
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Photo 4



Location	Compressor building and peaker building 5 in foreground.	Description	Areas surveyed: Compressor building and peaker building 5.
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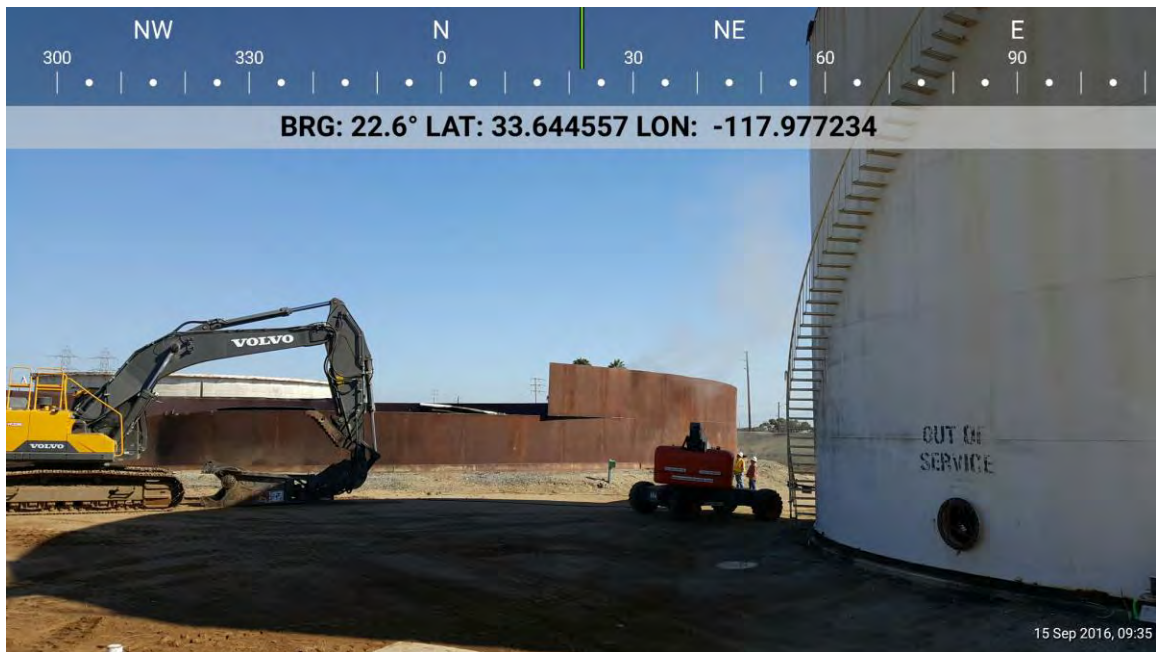
AES Southland Development Huntington Beach Energy Project (HBEP)					
BIOLOGICAL RESOURCES					
COMPLIANCE MONITORING LOG					
Date		Monitor			Time (Begin-End)
September 15, 2016		Mark Canfield			0830-1130
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment
70	60	3-7	N	Good	Sunny. Flow tide to 1100 high in marsh
Location(s) of Work Site Activities Monitored					
AES HBEP Limited Notice to Proceed (LNTF) disturbance area: The fuel oil AST tank and basin; the compressor building, peaker building 5, the maintenance storage building, and adjacent parking lot area. The adjacent Magnolia Marsh wetlands were also monitored for wildlife activity using binoculars.					
Construction Activity Observed					
Demolition of fuel oil AST tank.					
Summary of Biological Resources Monitoring Observations					
<p>The biologist conducted a thorough biological resources monitoring survey for special-status species and nesting birds on the AES HBEP LNTF site.</p> <p>Bird/Nesting Birds Observations:</p> <ul style="list-style-type: none"> No active bird nests or courtship and nesting behavior was observed during today's monitoring event. <p>Special Status Species Observed:</p> <ul style="list-style-type: none"> One great egret (<i>Ardea alba</i>) (CDF-S) was observed foraging in the upper Magnolia Marsh wetlands. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> None 					
Items Requiring Action/Follow-up					
<ul style="list-style-type: none"> Ongoing followup: Open vaults on each end of the access road, on the northwest area of the project site (Photo 1). An escape ramp should be installed at west vault to prevent wildlife entrapment. 					
Wildlife Species Observed:					
<ul style="list-style-type: none"> American crow (<i>Corvus brachyrhynchos</i>), Anna's hummingbird (<i>Calypte anna</i>), belted kingfisher (<i>Megasceryle alcyon</i>), black-bellied plover (<i>Pluvialis squatarola</i>), great egret (<i>Ardea alba</i>), killdeer (<i>Charadrius vociferous</i>), mourning dove (<i>Zenaida macroura</i>), red-tailed hawk (<i>Buteo jamaicensis</i>), rock pigeon (<i>Columba livia</i>), gull (<i>Larus sp.</i>), snowy egret (<i>Egretta thula</i>) 					

Photo 1



Location	Pipeline vaults at access road, northwest area of project site.	Description	Previous photo: Open vaults on each end of the access road (yellow circles). An escape ramp should be installed at west vault (yellow arrow) to prevent wildlife entrapment.
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Photo 2



Location	Fuel oil AST tank.	Description	Demolition crew razing fuel oil tank.
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Photo 3

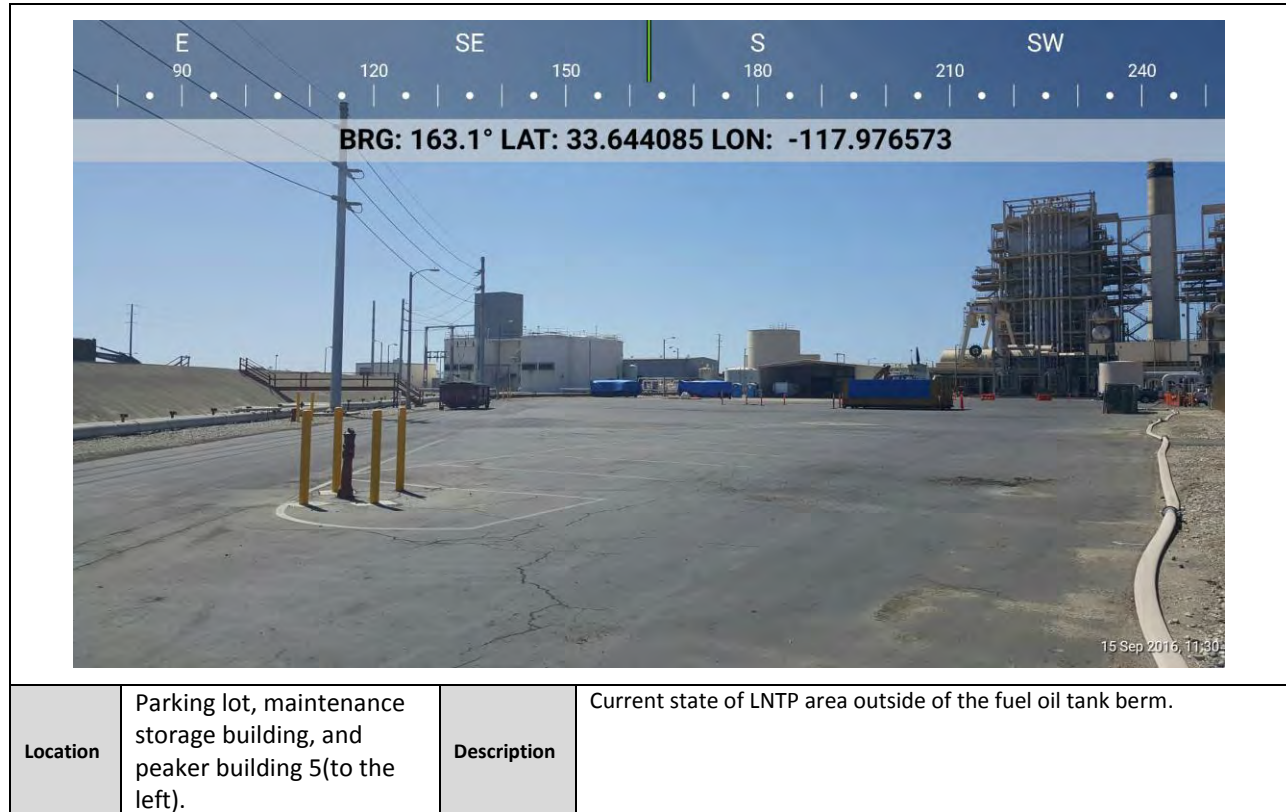


Photo 4



AES Southland Development Huntington Beach Energy Project (HBEP)					
BIOLOGICAL RESOURCES					
COMPLIANCE MONITORING LOG					
Date		Monitor			Time (Begin-End)
September 19, 2016		Mark Canfield			1300-1445
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment
77	71	7-12	N	Good	Overcast.
Location(s) of Work Site Activities Monitored					
AES HBEP Limited Notice to Proceed (LNTP) disturbance area: Area behind fuel oil AST tank that currently being removed, between fence property fence line and fuel oil tank berm.					
Construction Activity Observed					
Demolition of fuel oil AST tank.					
Summary of Biological Resources Monitoring Observations					
<p>The biologist was on site today in response to receiving notification that an injured hawk was on the AES HBEP LNTP site.</p> <p>Mark Smith (Environmental Monitor) observed a hawk on the ground that was located between the property fence and the fuel oil AST tank berm, near where the homeless people encampment was once located (the western side of the property). When the bird saw Mr. Smith, it moved back (north) along the fence line, but was unable to clear the fence. At that point, Mr. Smith left the area and contacted the Designated Biologist (Melissa Fowler).</p> <p>No hawk was observed in the area that it was last seen when the biologist arrived on site (1300 hr.). It is assumed that the bird flew away.</p> <p>Special Status Species Observed:</p> <ul style="list-style-type: none"> One great blue heron (<i>Ardea herodias</i>) (CDF-S) was observed foraging in the upper Magnolia Marsh wetlands. 					
Items Requiring Action/Follow-up					
<ul style="list-style-type: none"> Open vaults on each end of the access road, on the northwest area of the project site (Photo 1). An escape ramp should be installed at west vault to prevent wildlife entrapment. 					
Wildlife Species Observed:					
<ul style="list-style-type: none"> American crow (<i>Corvus brachyrhynchos</i>), American kestrel (<i>Falco sparverius</i>), mourning dove (<i>Zenaida macroura</i>), rock pigeon (<i>Columba livia</i>), snowy egret (<i>Egretta thula</i>) 					

TELEPHONE CONVERSATION RECORD



CALL TO: Mark Canfield

PHONE NO.: 949-510-8230 DATE: 09/19/2016

CALL FROM: Mark Smith TIME: 0904

MESSAGE TAKEN BY: N/A

SUBJECT: Injured bird observed on AES HBEP project site..

PROJECT NO.: 677360.01.03

I received a voicemail from Mark Smith regarding an injured on HBEP LNTP this morning.

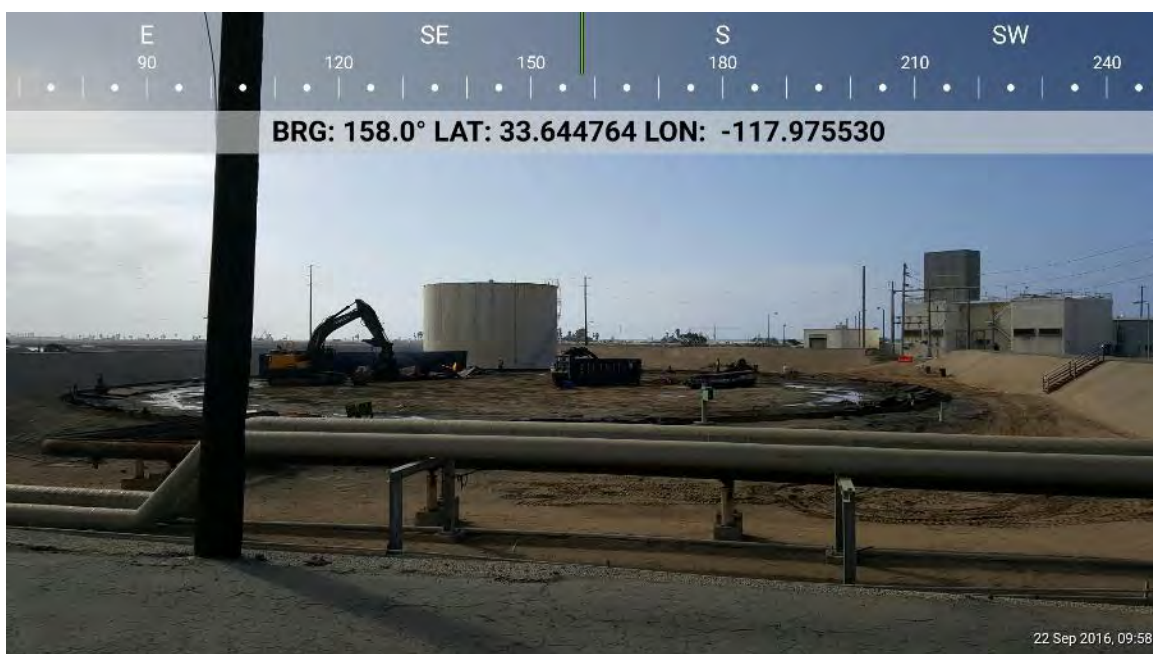
I called him back and he informed me that the bird was located between the property fence and the berm, near where the homeless people encampment was located, on the western side of the property. When the bird saw Mark, it moved back (north) along the fence line, but was unable to clear the fence. He said they left the area at that time and he made the phone call to me.

I asked if there was any construction activity in the vicinity of the bird and he informed me that there was not. I asked that he make sure that no one went back there, near the bird, and that at this point, a buffer barrier was not required. I also informed him that if the bird entered the berm where the crew is currently demolishing the tank, to call myself or Melissa immediately, and that this scenario could require a stop work action until we can assess the situation.

I asked that he fill out a Wildlife Observation Form and that he send me a picture of the bird if he had one.

AES Southland Development Huntington Beach Energy Project (HBEP)					
BIOLOGICAL RESOURCES					
COMPLIANCE MONITORING LOG					
Date		Monitor			Time (Begin-End)
September 22, 2016		Mark Canfield			0800-1200
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment
68	78	1-3	N	Good	Partly cloudy/Sunny. 0741 hr. low tide in marsh
Location(s) of Work Site Activities Monitored					
AES HBEP Limited Notice to Proceed (LNTF) disturbance area: The fuel oil AST tank and basin; the compressor building, peaker building 5, the maintenance storage building, and adjacent parking lot area. The adjacent Magnolia Marsh wetlands were also monitored for wildlife activity using binoculars.					
Construction Activity Observed					
The crew completed demolition of fuel oil AST tank walls. Testing for the soil under the tank will occur late this week or early next week. Next week the crew will start taking down the distillate tank.					
Summary of Biological Resources Monitoring Observations					
The biologist conducted a thorough biological resources monitoring survey for special-status species and nesting birds on the AES HBEP LNTF site.					
Bird/Nesting Birds Observations: <ul style="list-style-type: none"> No active bird nests or courtship and nesting behavior was observed during today's monitoring event. 					
Special Status Species Observed: <ul style="list-style-type: none"> One great egret (<i>Ardea alba</i>) (CDF-S) was observed foraging in the upper Magnolia Marsh wetlands. One long-billed curlew (<i>Numenius americanus</i>) (CDFW-WL) was observed foraging in the upper Magnolia Marsh wetlands. One double-crested cormorant (<i>Phalacrocorax auritus</i>) (CDFW-WL) was observed in the upper Magnolia Marsh wetlands. 					
Other Biological Resources Observations: <ul style="list-style-type: none"> None 					
Items Requiring Action/Follow-up					
<ul style="list-style-type: none"> Open vaults on site; an escape ramp should be installed at west vault to prevent wildlife entrapment. 					
Wildlife Species Observed:					
<ul style="list-style-type: none"> American crow (<i>Corvus brachyrhynchos</i>), belted kingfisher (<i>Megasceryle alcyon</i>)*, black-bellied plover (<i>Pluvialis squatarola</i>)*, California ground squirrel (<i>Spermophilus beecheyi</i>), double-crested cormorant (<i>Phalacrocorax auritus</i>)*, great egret (<i>Ardea alba</i>)*, killdeer (<i>Charadrius vociferous</i>), least sandpiper (<i>Calidris minutilla</i>)*, long-billed curlew (<i>Numenius americanus</i>)*, mourning dove (<i>Zenaidura macroura</i>), rock pigeon (<i>Columba livia</i>), gull (<i>Larus sp.</i>)*, Say's phoebe (<i>Sayornis saya</i>), turkey vulture (<i>Cathartes aura</i>), western fence lizard (<i>Sceloporus occidentalis</i>), snowy egret (<i>Egretta thula</i>)* 					
* Observed in Magnolia Marsh wetlands					

Photo 1



Location	Fuel oil AST tank.	Description	Fuel oil AST tank basin.
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Photo 2



Location	Fuel oil AST tank.	Description	Fuel oil AST tank walls have been removed.
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Photo 3



Location	Peaker 5 building and compressor building.	Description	Peaker 5 building and compressor building.
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Photo 4



Location	Magnolia marsh	Description	Low tide in Magnolia marsh.
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AES Southland Development Huntington Beach Energy Project (HBEP)					
BIOLOGICAL RESOURCES					
COMPLIANCE MONITORING LOG					
Date		Monitor			Time (Begin-End)
September 30, 2016		Ava Edens			0930-1215
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment
74	NA	1-5	N	Good	Clear, no cloud cover
Location(s) of Work Site Activities Monitored					
AES HBEP Limited Notice to Proceed (LNTN) project disturbance area and access roads.					
Summary of Biological Resources Monitoring Observations					
<p>The biologist conducted a thorough biological resources monitoring survey for special-status species and nesting birds on the AES HBEP LNTN project site. The survey included: the fuel oil AST tank and basin; the compressor building, Peaker Building 5, the maintenance storage building, and adjacent parking lot area.</p> <p>Bird/Nesting Birds Observations:</p> <ul style="list-style-type: none"> No active bird nests or courtship and nesting behavior was observed during today's monitoring event. <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> A Cooper's hawk (<i>Accipiter cooperii</i>; California Department of Fish and Wildlife [CDFW] Watch List [WL]) was observed perched in a tree along the perimeter of the AES Huntington Beach Generating Station, outside of the LNTN project disturbance area. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> Coyote (<i>Canis latrans</i>) and raccoon (<i>Procyon lotor</i>) tracks observed on project site. 					
Items Requiring Action/Follow-up					
<ul style="list-style-type: none"> None 					
Wildlife Species Observed:					
<ul style="list-style-type: none"> American crow (<i>Corvus brachyrhynchos</i>), Anna's hummingbird (<i>Calypte anna</i>), belted kingfisher (<i>Ceryle alcyon</i>), black phoebe (<i>Sayornis nigricans</i>), California ground squirrel (<i>Spermophilus beecheyi</i>), Cooper's hawk, monarch butterfly (<i>Danaus plexippis</i>), mourning dove (<i>Zenaidura macroura</i>), Say's phoebe (<i>Sayornis saya</i>), turkey vulture (<i>Cathartes aura</i>). 					

Photo 1



Location	Building demolition site.	Description	Spoils covered and stockpiled away from the adjacent wetlands.
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Photo 2



Location	Fuel tank basin.	Description	Area of recently removed tank. No ponded water present.
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Photo 3

Location	Fuel tank basin.	Description	Trash contained and covered.
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Appendix C
Wildlife Observation Forms

<p style="text-align: center;">WILDLIFE OBSERVATION FORM</p> <p style="text-align: center;">To Record Animals Found In Huntington Beach Energy Project (HBEP) Work Areas</p> <p>To be filled out by personnel who find active nest sites, dens, and dead or injured wildlife, or other biological resources during daily construction activities.</p>
<p>Name of employee: Mark Smith</p>
<p>Date: 09-19-2016</p>
<p>Location of observation: NE corner of South Fuel Tank berm In-between the property fence and bottom of berm slope.</p>
<p>Wildlife Species: Hawk, observed @ approx. 8:00am Condition of wildlife: Distressed, Alive <input checked="" type="checkbox"/> Dead:</p>
<p>Possible cause of injury or death: unknown aliment, animal appears distressed and unable to fly for any significant height or distance.</p>
<p>Where is the animal currently? Was left in the same location, presumed to have flown away.</p>
<p>Is the resource in danger of Project (or other) impacts? No, area was isolated from traffic.</p>
<p>Comments: Animal presumably recovered and flew away before 12:30 pm same day.</p>
<p>Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the Project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Wildlife (CDFW) and United States Fish and Wildlife Service (USFWS) to protect fish, wildlife and vegetation from construction impacts.</p>
<p>DESIGNATED BIOLOGIST: Melissa Fowler; Melissa.Fowler@ch2m.com; Cell: (714) 768-1173; Office (714) 435-6262</p>
<p>COMPANY: CH2M ADDRESS: 6 Hutton Centre Drive, St. 700, Santa Ana, CA</p>



Hawk is perched on the lowest portion of the wooden stairway hand rail.

<p style="text-align: center;">WILDLIFE OBSERVATION FORM</p> <p style="text-align: center;">To Record Animals Found In Huntington Beach Energy Project (HBEP) Work Areas</p> <p>To be filled out by personnel who find active nest sites, dens, and dead or injured wildlife, or other biological resources during daily construction activities.</p>
<p>Name of employee: Mark Smith</p>
<p>Date: 09-20-2016</p>
<p>Location of observation: Peaker building, east side</p>
<p>Wildlife Species: Gopher Snake approximately 16" juvenile Condition of wildlife: alive <input checked="" type="checkbox"/> dead</p>
<p>Possible cause of injury or death:</p>
<p>Where is the animal currently? Animal was relocated to a safer area, the south berm landscape area.</p>
<p>Is the resource in danger of Project (or other) impacts? No</p>
<p>Comments:</p>
<p>Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the Project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Wildlife (CDFW) and United States Fish and Wildlife Service (USFWS) to protect fish, wildlife and vegetation from construction impacts.</p>
<p>DESIGNATED BIOLOGIST: Melissa Fowler; Melissa.Fowler@ch2m.com; Cell: (714) 768-1173; Office (714) 435-6262</p>
<p>COMPANY: CH2M ADDRESS: 6 Hutton Centre Drive, St. 700, Santa Ana, CA</p>



EN1028151022SCO

E-1

WILDLIFE OBSERVATION FORM	
To Record Animals Found In Huntington Beach Energy Project (HBEP) Work Areas	
To be filled out by personnel who find active nest sites, dens, and dead or injured wildlife, or other biological resources during daily construction activities.	
Name of employee: Mark Smith	
Date: 09-21-2016	
Location of observation: West of Peaker Building landscaped berm drainage area.	
Wildlife Species: Skeletal remains of an opossum Condition of wildlife: alive <input type="checkbox"/> Dead: X	
Possible cause of injury or death: Unknown, predator kill	
Where is the animal currently? Same location	
Is the resource in danger of Project (or other) impacts? no	
Comments: Photo attached, bones are fairly clean, couple weeks old	
Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the Project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Wildlife (CDFW) and United States Fish and Wildlife Service (USFWS) to protect fish, wildlife and vegetation from construction impacts.	
DESIGNATED BIOLOGIST: Melissa Fowler; Melissa.Fowler@ch2m.com; Cell: (714) 768-1173; Office (714) 435-6262	
COMPANY: CH2M ADDRESS: 6 Hutton Centre Drive, St. 700, Santa Ana, CA	



EN1028151022SCO

E-1

<p style="text-align: center;">WILDLIFE OBSERVATION FORM</p> <p style="text-align: center;">To Record Animals Found In Huntington Beach Energy Project (HBEP) Work Areas</p> <p>To be filled out by personnel who find active nest sites, dens, and dead or injured wildlife, or other biological resources during daily construction activities.</p>
<p>Name of employee: Mark Smith</p>
<p>Date: 09-23-2016</p>
<p>Location of observation: West of Peaker Building back door berm drainage area.</p>
<p>Wildlife Species: Pigeon Condition of wildlife: alive <input type="checkbox"/> Dead: X</p>
<p>Possible cause of injury or death: Falcon predator kill</p>
<p>Where is the animal currently? Same location</p>
<p>Is the resource in danger of Project (or other) impacts? no</p>
<p>Comments: Falcon observed feeding on killed animal</p>
<p>Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the Project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Wildlife (CDFW) and United States Fish and Wildlife Service (USFWS) to protect fish, wildlife and vegetation from construction impacts.</p>
<p>DESIGNATED BIOLOGIST: Melissa Fowler; Melissa.Fowler@ch2m.com; Cell: (714) 768-1173; Office (714) 435-6262</p>
<p>COMPANY: CH2M ADDRESS: 6 Hutton Centre Drive, St. 700, Santa Ana, CA</p>



Date & Time: Fri Sep 23 09:43:31 PDT 2016
Position: +033.64446° / -117.97671°
Altitude: 10ft
Datum: WGS-84
Azimuth/Bearing: 068° N68E 1209mils (True)
Elevation Angle: +21.2°
Horizon Angle: +02.5°
Zoom: 4X
pb





Appendix D
Observed Wildlife Species List

**Observed Wildlife Species List September 2016
LNTF Huntington Beach Energy Project**

Common Name	Scientific Name	Status Federal/State/Other
Birds		
American crow	<i>Corvus brachyrhynchos</i>	--/--/--
American kestrel	<i>Falco sparverius</i>	--/--/--
Anna's hummingbird	<i>Calypte anna</i>	--/--/--
Belted kingfisher	<i>Megasceryle alcyon</i>	--/--/--
Black-bellied plover	<i>Pluvialis squatarola</i>	--/--/--
Black phoebe	<i>Sayornis nigricans</i>	--/--/--
Cooper's hawk	<i>Accipiter cooperii</i>	--/WL/--
Double-crested cormorant	<i>Phalacrocorax auritus</i>	--/WL/--
Great blue heron	<i>Ardea herodias</i>	--/--/CDF: S
Great egret	<i>Ardea alba</i>	--/--/CDF: S
Gull	<i>Larus sp.</i>	--/--/--
Killdeer	<i>Charadrius vociferous</i>	--/--/--
Least sandpiper	<i>Calidris minutilla</i>	
Long-billed curlew	<i>Numenius americanus</i>	--/WL/--
Mourning dove	<i>Zenaidura macroura</i>	--/--/--
Red-tailed hawk	<i>Buteo jamaicensis</i>	--/--/--
Rock pigeon	<i>Columba livia</i>	--/--/--
Say's phoebe	<i>Sayornis saya</i>	--/--/--
Snowy egret	<i>Egretta thula</i>	--/--/--
Turkey vulture	<i>Cathartes aura</i>	--/--/--
Invertebrates		
Monarch butterfly	<i>Danaus plexippus</i>	--/SP/--
Mammals		
California ground squirrel	<i>Spermophilus beecheyi</i>	--/--/--
Reptiles		
Western fence lizard	<i>Sceloporus occidentalis</i>	--/--/--

Status Codes:

If status codes are not provided, it indicates that the observed species is not a special-status species.

Federal:

FE = Federally listed Endangered: species in danger of extinction throughout a significant portion of its range

FT = Federally listed Threatened: species likely to become endangered within the foreseeable future

BCC = Birds of Conservation Concern

State:

SE = State listed as Endangered

ST = State listed as Threatened

FP = Fully Protected

CSC = California Species of Special Concern Species of concern to California Department of Fish and Wildlife (CDFW) because of declining population levels, limited ranges, and/or continuing threats have made them vulnerable to extinction.

S = Sensitive

WL = Watch List

SP = Special Animals List

Other:

*California Department of Forestry and Fire Protection (CDF) classifies “sensitive species” as those species that warrant special protection during timber operations.

Appendix H
Cultural Resources Monthly Summary
Report

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Appendix I
Paleontological Resources Monthly
Summary Report

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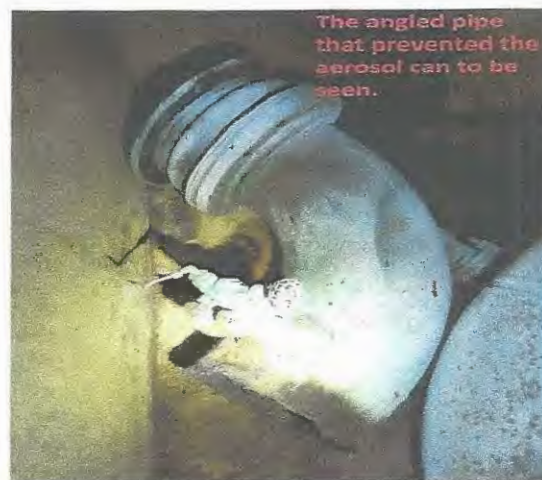
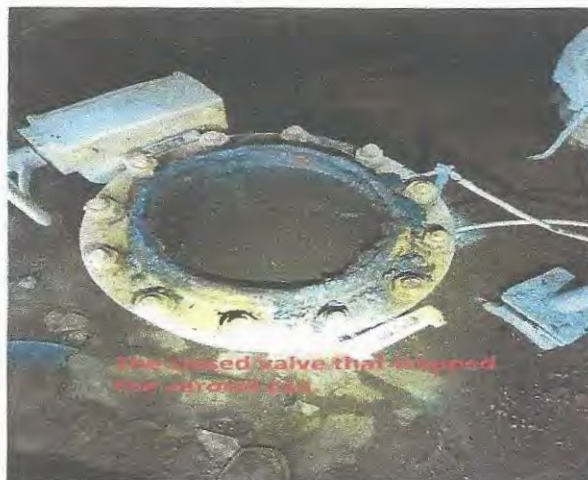
Appendix J

Worker Safety

Safety Observations

Project Name: HB - Owners Scope
Project Number: SLOS-HB 10/6/2016

Record No.	Category	Title	Creator Company	Creator	Observation Class	Observation Type	Priority	Status	Creation Date	End Date	Observation	Action Taken	Days taken to Close
SO-0084	Safety	160901 Excavator clearing inside of tank	AES	EJ Penewell	Positive Observation	Other	High	Closed	9/6/2016	9/6/2016	Excavator is removing insulation from roof and processing the roof for removal from inside of tank.	Follow the JHA as discussed in the morning briefing.	0
SO-0085	Safety	160902 Fire extinguisher is charged certified	AES	EJ Penewell	Audit Finding	Equipment/Tools	High	Closed	9/6/2016	9/6/2016	While auditing project found fire extinguisher was certified and charged and ready for use.	Recorded findings of audit in daily.	0
SO-0086	Safety	160902 Distillate tank inspected and cleaned	AES	EJ Penewell	Positive Observation	Confined Space	High	Closed	9/6/2016	9/6/2016	Opening and cleaning as necessary tank.	Followed procedures as practiced and as a team to accomplish the above task.	0
SO-0087	Safety	160906 Trailers for AES and NV5	AES	EJ Penewell	Positive Observation	Temporary Construction	Medium	Closed	9/9/2016	9/9/2016	Administrative offices for construction are being assembled near front office of plant.	Periodically visit area to insure safe work practices.	0
SO-0088	Safety	160907 Tarps are blown off dumpsters	AES	EJ Penewell	Rule Violation	Housekeeping	Medium	Closed	9/9/2016	9/9/2016	Rasic dumpsters have tarps blown off.	Contacted Rasic of condition and requested fix.	0
SO-0089	Safety	160908 Installation of trailers for AES and NV5	AES	EJ Penewell	Positive Observation	Other	High	Closed	9/13/2016	9/13/2016	Construction trailers are being installed at West side of construction site.	Observed the installers to verify safety rules are being followed.	0
SO-0090	Safety	160908 F O Tank top edge removal	AES	EJ Penewell	Positive Observation	Other	High	Closed	9/13/2016	9/13/2016	Removal of top edge of FO tank with excavator.	Followed above recommended procedures.	0
SO-0091	Safety	160909 Removal of 3rd section of FO tank roof	AES	EJ Penewell	Positive Observation	Other	High	Closed	9/13/2016	9/13/2016	Removal of 3rd section of tank wall clockwise from front left.	Used JSA as guide to follow safe procedures while removing tank wall.	0
SO-0092	Safety	160912 Stairways not used to access berm roads	AES	EJ Penewell	Positive Observation	Access Control	High	Closed	9/14/2016	9/14/2016	Stairway are not to be used to access berm roads. Only access is using one of two ramps located inside and outside main fuel tank berm.	In the future, access to berm roads are limited to above described berm ramps.	0
SO-0093	Safety	160913 Fire extinguisher is approved	AES	EJ Penewell	Audit Finding	Hot Work	High	Closed	9/14/2016	9/14/2016	Fire extinguishers from Texas are being used on our jobsite.	Verification was done through state fire marshal office.	0
SO-0094	Safety	160914 Tank cutting operator in PPE	AES	EJ Penewell	Audit Finding	Hot Work	High	Closed	9/15/2016	9/15/2016	Cutting operator is dismantling tank from boom lift.	Audited to find all gear is appropriately worn and operator is acting in a safe manner.	0
SO-0095	Safety	160915 Tank cutting and hot work	AES	EJ Penewell	Positive Observation	Hot Work	High	Closed	9/16/2016	9/16/2016	Contractor is flame cutting tank for disposal.	Contractor followed safety rules and wore PPE as required.	0
SO-0096	Safety	Fire inside East Tank Demo	AES	Mark Smith	Unsafe Condition	Hot Work	Medium	Open	9/16/2016		On Thursday 09-15 at approximately 8:30 am a GSD worker using the cutting torch ignited debris under stockpiled steel inside East Fuel Tank. The small fire was shielded from water by steel piled over the top. Contractor utilized an excavator to expose the burning debris and the water hose was then able to extinguish the fire. No one was hurt or in danger and total elapse time of the incident was approximately 20 minutes. Concerns of air quality and emissions were discussed after the incident. In addition, alternative methods of using the cutting torch and fire oblation techniques were discussed.	Contractor has moved the stockpiled materials away from the torch work area, has implemented shielding of the slag from the torch into the tank area. Dust heat smoke fire mitigation water from the hose now has direct access and contact with the hot slag landing area.	0
SO-0097	Safety	160919 Excavator loading steel into truck	AES	EJ Penewell	Positive Observation	Transportation/Driving	Medium	Closed	9/19/2016	9/19/2016	Driver exits truck for safety, while excavator operator loads recyclable steel into truck for hauling steel recycling yard.	Verify that all safety rules are being followed with loading of truck and truck driver follows all driving rules.	0
SO-0098	Safety	160920 Tank cutting and loading	AES	EJ Penewell	Positive Observation	Hot Work	High	Closed	9/20/2016	9/20/2016	Welder cutting tank and excavator operator loading steel into hauling truck.	Observed operator and welding following safety guide lines and wearing PPE and being tied off while operating boom lift.	0
SO-0099	Safety	160920 Extension cord unsafe	AES	EJ Penewell	Rule Violation	Electrical Safety	Medium	Closed	9/20/2016	9/22/2016	Electric extension cord being used in water area not water proof and running through hole in building.	Moved electric cord to dry area and verified GFCI in place for protection.	1
SO-0100	Safety	160921 GSD generator spill containment	AES	EJ Penewell	Audit Finding	Housekeeping	High	Closed	9/23/2016	9/23/2016	Contractor has power generator with fuel tank to power the construction trailer that requires a containment basin.	During audit verified containment basin was installed as required by safety standards.	0
SO-0101	Safety	160921 Flame cutting lower section of tank	AES	EJ Penewell	Positive Observation	Hot Work	High	Closed	9/23/2016	9/23/2016	Contractor is nearing end of flame cutting of FO tank.	Verified fire watch, spotter, PPE and equipment was being used and done properly.	0
SO-0102	Safety	160922 FO tank nearly removed	AES	EJ Penewell	Positive Observation	Hot Work	High	Closed	9/23/2016	9/23/2016	FO tank removal is nearly complete.	Continued safe procedures to save accidents.	0
SO-0103	Safety	160923 Pump out cooler at distillate tank	AES	EJ Penewell	Positive Observation	Environmental	High	Closed	9/26/2016	9/26/2016	Contractor is removing with vacuum truck distillate from cooler feeding peaker building.	Using written procedure, evacuated cooler and associated piping.	0
SO-0104	Safety	160923 Drone used to map berm area	AES	EJ Penewell	Positive Observation	Other	Medium	Closed	9/26/2016	9/26/2016	Using a drone, contractor flew over job site to map the area to study excavation needs.	Cleared berm area and provided unmanned area to work in.	0
SO-0105	Safety	160926 Reroute of sump discharge	AES	EJ Penewell	Audit Finding	Environmental	Medium	Closed	9/26/2016	9/26/2016	Reroute of sump discharge to closed drain system. This allowed the road where the drain line was running across to be opened.	Reroute where logistics are better with enhanced safety as a by product.	0
SO-0106	Safety	160926 Peaker bldg removal of fluids	AES	EJ Penewell	Positive Observation	Environmental	High	Closed	9/26/2016	9/26/2016	Using vacuum truck to remove fluids from tanks and equipment in the peaker building.	Followed safety rules and used PPE as required removal of fluids(375 gallons) was done.	0
SO-0107	Safety	160927 Demo of distillate tank	AES	EJ Penewell	Positive Observation	Other	High	Closed	9/30/2016	9/30/2016	Excavator is being used to demo the distillate tank in the berm area.	Operator, spotter and fire watch worked together bring the tank down safely.	0
SO-0108	Safety	160928 Flame cutting steel off peaker stack	AES	EJ Penewell	Positive Observation	Hot Work	High	Closed	9/30/2016	9/30/2016	Using the boom lift, welder with cutting torch, cut steel panels off the side of the peaker building stack.	Followed the safety rules and used fire watch and spotter to complete the job safely.	0
SO-0109	Safety	160928 Demo construction audit form	AES	EJ Penewell	Audit Finding	Work Practice	High	Closed	9/30/2016	9/30/2016	Using Construction Safety Checklist reviewed and audited the work being done on the AES demo project.	Safety facilitators for AES and GSD combined to answer the questions on the safety audit form.	0
SO-0110	Safety	160929 Near miss cut aerosol in pipe	AES	EJ Penewell	Unsafe Condition	Equipment/Tools	Medium	Closed	9/30/2016	9/30/2016	While cutting pipe with sawzall, hidden aerosol can was cut inside pipe and exploded.	Used all safety elements to get positive result from an unpredictable situation.	0
SO-0111	Safety	160929 Compressor demo before and after	AES	EJ Penewell	Positive Observation	Other	High	Closed	9/30/2016	9/30/2016	Demolition of compressor building.	Followed rules as stated above.	0
SO-0112	Safety	160930 Compressor spoils are appropriately covered	AES	EJ Penewell	Positive Observation	Housekeeping	Medium	Closed	9/30/2016	9/30/2016	Compressor building demolition by products are stored and appropriately covered with weather proof material.	Observe and report	0



Worker Safety - 5

Project: AES Huntington Beach Energy Project

Docket #: 12-AFC-02

Updated: October 7, 2016

The following 3 AED's are located on the AES Huntington Beach Facility and were available for use during the month of September.



Location: Unit 1 and 2 Control Room

Worker Safety - 5



Location: Unit 3 and 4 Control Room



Location: Maintenance Building

Appendix K

Changes to Conditions of Certifications



AES Southland Development
690 N. Studebaker Road
Long Beach, CA 90803

tel 562 493 7891
fax 562 493 7320

April 27, 2016

Mr. Eric Veerkamp
Compliance Project Manager
California Energy Commission
1516 Ninth Street MS 2000
Sacramento, 95814

Subject: Huntington Beach Energy Project (12-AFC-02C)
Conditions of Certification VIS-3 Long-Term Construction Screening, Landscape
Protection, and Site Restoration Plan – Project Demolition, Construction, and
Commissioning

Dear Mr. Veerkamp;

Based on the memo dated 4/22/16, AES Southland Development, LLC (AES) is re-submitting the attached Long-Term Construction Screening, Landscape Protection, and Site Restoration Plan – Project Demolition, Construction, and Commissioning – Phase 1 LNTP for your review and approval in accordance with VIS-3. If you have any questions, please do not hesitate to contact myself or our HBEP Construction CPM.

Sincerely,

A handwritten signature in black ink, appearing to read 'S. O'Kane', with a stylized, cursive script.

Stephen O'Kane
Vice-President
AES Southland Development, LLC
Manager
AES Huntington Beach Energy, LLC

Attachments

cc: Tracy Powell/HBEP Construction CPM
Jerry Salamy/CH2M

Sene Viola

From: Veerkamp, Eric@Energy <Eric.Veerkamp@energy.ca.gov>
Sent: Tuesday, May 03, 2016 10:15 AM
To: Sene Viola
Cc: Stephen O'Kane; Tracy Powell; Jerry Salamy; Maggie Fitzgerald; Cindy Salazar; Jenifer Lee; Hinde, Jeanine@Energy; Hamblin, Mark@Energy
Subject: RE: 12-AFC-02C 12-AFC-02C HBEP VIS-3 Long Term Construction Screening....CPM APPROVAL

Good Morning Sene,

Energy Commission technical staff has reviewed the revised VIS-3 submittal, dated April 27, 2016, and finds it acceptable. Therefore, the submittal has CPM approval, and may be implemented in order to proceed with the abatement and demolition activities. We look forward to receiving the VIS-3 submittal and its implementation, in the fourth quarter of 2016, prior to the commencement of the berm removal.

Let me know if you have any questions.

Eric W. Veerkamp
Compliance Project Manager
California Energy Commission
1516 9th Street, MS 2000
Sacramento, CA. 95814
916-654-4295
eric.veerkamp@energy.ca.gov

From: Sene Viola [<mailto:sene.viola@guest.aes.com>]
Sent: Wednesday, April 27, 2016 3:39 PM
To: Veerkamp, Eric@Energy
Cc: Stephen O'Kane; Tracy Powell; Jerry Salamy; Maggie Fitzgerald; Cindy Salazar; Jenifer Lee
Subject: 12-AFC-02C 12-AFC-02C HBEP VIS-3 Long Term Construction Screening....

Eric,

Attached is our re-submittal for the above referenced COC based on your comments provided in the email from 4/22/16. Please give me a call if you have any questions.

Best regards,

Señe Viola
Documents Control Manager/Compliance Analyst
HBEP AES
C: 857.222.4260

Sene Viola

From: Sene Viola
Sent: Thursday, May 05, 2016 11:20 PM
To: Eric Veerkamp
Cc: Lesh, Geoff@Energy; Fooks, Brett@Energy; Stephen O'Kane; Tracy Powell; Jerry Salamy; Maggie Fitzgerald; Cindy Salazar; Jenifer Lee
Subject: 12-AFC-02C HBEP Worker Safety-1 Project Construction Safety and Health Program
Attachments: AES_HBEP_Worker Safety-1.pdf; Argus AESHB Site Safety Plan.pdf; N&M Abatement Specification HB FINAL.pdf; 2016 AES Huntington Beach Owner's Scope Emergency Response Plan_rev 2.doc; 2016 AES Huntington Beach Fire Prevention and Protection Plan.docx; AES Southland Owners Scope Occupational Exposure Program.pdf

Eric,

Attached you will find our re-submittal package for the above referenced COC. Below is a list of each attachment.

Attachment 1 – Argus Site Specific Health and Safety Program
Attachment 2 – Ninyo & Moore (3rd party oversight) Site-Specific Abatement Specification
Attachment 3 – AES's Emergency Action Plan (previously submitted, no changes have been made)
Attachment 4 – AES's Fire and Prevention Plan (previously submitted, no changes have been made)
Attachment 5 – AES Construction Exposure Monitoring Program

Please give me a call if you have any questions.

Best regards,

Sene Viola
Documents Control Manager/Compliance Analyst
HBEP AES
C: 857.222.4260

Sene Viola

From: Veerkamp, Eric@Energy <Eric.Veerkamp@energy.ca.gov>
Sent: Monday, May 09, 2016 3:22 PM
To: Sene Viola
Cc: Lesh, Geoff@Energy; Fooks, Brett@Energy; Stephen O'Kane; Tracy Powell; Jerry Salamy; Maggie Fitzgerald; Cindy Salazar; Jenifer Lee; Kevin Wedman
Subject: 12-AFC-02C HBEP Worker Safety-1 Project Construction Safety and Health Program, CPM APPROVAL; Abatement approval to proceed

Sene,

I have been notified by Brett Fooks, our worker safety specialist that the revised Worker Safety-1 submittal for the Huntington Beach abatement work, dated May 5, 2016, has been reviewed and approved; therefore the WS-1 submittal has CPM approval, and the abatement contractor(s) may begin work immediately.

With approval of the Worker Safety-1 submittal, all the Energy Commission Conditions of Certification have been satisfied for the asbestos and lead abatement activities to commence. As per the conversation I had with Tracy this morning, I understand that you will be administering the WEAP training as a package (BIO/CUL/PAL), beginning on Wednesday, 5/11/2016. Considering that the CUL-1 WEAP is still not approved, I caution against issuing any helmet stickers or other notification of WEAP training completion until such time as all three components of the WEAP training are approved. As the abatement activities do not involve ground disturbing activity, neither the CUL or PAL portions of the WEAP training are required at this time.

Please keep in mind that prior to issuance of the LNTP for the demolition activities, the CUL WEAP will need to be approved AND another Worker Safety-1 submittal for construction (demolition) will need to be submitted and approved.

Thanks. Let me know if you have any questions.

Eric W. Veerkamp
Compliance Project Manager
California Energy Commission
1516 9th Street, MS 2000
Sacramento, CA. 95814
916-654-4295
eric.veerkamp@energy.ca.gov

From: Sene Viola [<mailto:sene.viola@guest.aes.com>]
Sent: Thursday, May 05, 2016 11:20 PM
To: Veerkamp, Eric@Energy
Cc: Lesh, Geoff@Energy; Fooks, Brett@Energy; Stephen O'Kane; Tracy Powell; Jerry Salamy; Maggie Fitzgerald; Cindy Salazar; Jenifer Lee
Subject: 12-AFC-02C HBEP Worker Safety-1 Project Construction Safety and Health Program

Eric,

Attached you will find our re-submittal package for the above referenced COC. Below is a list of each attachment.

Attachment 1 – Argus Site Specific Health and Safety Program
Attachment 2 – Ninyo & Moore (3rd party oversight) Site-Specific Abatement Specification

Sene Viola

From: Sene Viola
Sent: Monday, April 18, 2016 9:31 AM
To: Eric Veerkamp
Cc: Stephen O'Kane; Tracy Powell; Jerry Salamy; Maggie Fitzgerald; Jenifer Lee; Cindy Salazar
Subject: BIO-8 Notification
Attachments: MFowlerResume_Apr2016 for BIO-8 Agency Notification.pdf; MAY2015-RESUME GARY M SANTOLO.pdf

Eric,

In accordance with Condition of Certification BIO-8, this email serves as notification that the project Designated Biologist, Melissa Fowler, will be conducting the light-footed clapper rail habitat assessment tomorrow, April 19, 2016. Melissa will be accompanied by another senior biologist, Gary Santolo. Both Melissa's and Gary's resumes are attached for your information. Separate notifications were made to the USFWS and CDFW on April 8, 2016.

Sincerely,

Sene Viola
Documents Control Manager/Compliance Analyst
HBEP AES
C: 857.222.4260

Sene Viola

From: Veerkamp, Eric@Energy <Eric.Veerkamp@energy.ca.gov>
Sent: Thursday, June 09, 2016 10:27 AM
To: Sene Viola
Cc: Tracy Powell; Joshua Wynia; Ruben Soroeta; Maggie Fitzgerald (Maggie.Fitzgerald@ch2m.com)
Subject: RE: Bio-8 Habitat Assessment, CPM APPROVAL

Sene,

Thank you for providing the notification of the commencement of the habitat surveys in compliance with BIO-8; as such, the submittal has CPM approval, and you may commence with the surveys.

Eric W. Veerkamp
Compliance Project Manager
California Energy Commission
1516 9th Street, MS 2000
Sacramento, CA. 95814
916-654-4295
eric.veerkamp@energy.ca.gov

From: Sene Viola [<mailto:sene.viola@guest.aes.com>]
Sent: Wednesday, May 25, 2016 11:06 AM
To: Veerkamp, Eric@Energy
Cc: Tracy Powell; Joshua Wynia; Ruben Soroeta; Maggie Fitzgerald (Maggie.Fitzgerald@ch2m.com)
Subject: RE: Bio-8 Habitat Assessment, additional information requested

Good Morning Eric,

Melissa Fowler will conduct the nesting bird surveys on June 6th (first survey) at 9am, and June 17th (second survey) at 9am.

Melissa Fowler and Gary Santolo will conduct the habitat assessment on June 10th at 9am.

Please let me know if you have any questions.

Thank you,

Señe Viola
Documents Control Manager/Compliance Analyst
HBEP AES
C: 857.222.4260

From: Veerkamp, Eric@Energy [<mailto:Eric.Veerkamp@energy.ca.gov>]
Sent: Monday, May 23, 2016 9:52 AM
To: Sene Viola
Cc: Tracy Powell; Joshua Wynia; Ruben Soroeta
Subject: RE: Bio-8 Habitat Assessment, additional information requested

Sene,

I neglected to follow up on this submittal previously. Will you please forward to me the name of the biologist conducting the surveys and assessment, and the timing of the surveys.

Thank you.

Eric W. Veerkamp
Compliance Project Manager
California Energy Commission
1516 9th Street, MS 2000
Sacramento, CA. 95814
916-654-4295
eric.veerkamp@energy.ca.gov

From: Sene Viola [<mailto:sene.viola@guest.aes.com>]
Sent: Tuesday, May 17, 2016 10:20 AM
To: Veerkamp, Eric@Energy; Kevin Wedman
Cc: Tracy Powell; Ruben Soroeta; Joshua Wynia
Subject: Bio-8 Habitat Assessment

Good Morning Eric and Kevin,

Per Bio-8, we are planning to conduct the light-footed clapper rail habitat assessment during the week of June 6th.

Please give me a call if you have any questions.

Thank you,

Señe Viola
Documents Control Manager/Compliance Analyst
HBEP AES
C: 857.222.4260

Attachment 3 – AES’s Emergency Action Plan (previously submitted, no changes have been made)
Attachment 4 – AES’s Fire and Prevention Plan (previously submitted, no changes have been made)
Attachment 5 – AES Construction Exposure Monitoring Program

Please give me a call if you have any questions.

Best regards,

Señe Viola
Documents Control Manager/Compliance Analyst
HBEP AES
C: 857.222.4260

Appendix L

Filings/Permits

APPENDIX INTENTIONALLY LEFT BLANK

Appendix M
Complaints, Notices of Violations,
Warnings and Citations

**Project
Owner's Scope Hotline Call Log
September 2016**

Date	Time	First Name	Last Name	Phone Number	Address	City/State/ZIP	Email	Inquiry	Complaint?	Noise?	Status	Response Date	Response Time	Response	Responder*
9/5/2016	5:59 PM	No Name	No Name	Not provided	Not provided	Not provided	Not provided	No voice message left.	No	No	Closed	N/A	N/A	None	N/A
9/5/2016	7:42 PM	No Name	No Name	Not provided	Not provided	Not provided	Not provided	No voice message left.	No	No	Closed	N/A	N/A	None	N/A
9/7/2016	2:56 PM	Not provided	Not provided	Not provided	Not provided	Huntington Beach	Not provided	When will work begin?	No	No	Closed	9/7/2016	2:56PM	Answered phone call directly. Notified caller that demolition began late August and is expected to last approximately 8 months.	EKR
9/23/2016	3:17 PM	No Name	No Name	Not provided	Not provided	Not provided	Not provided	No voice message left.	No	No	Closed	N/A	N/A	None	N/A

*Responders listed by initials:

N/A: Not Applicable

EKR: Emily Riveramelo