

DOCKETED

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Filer:	Eric Veerkamp
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April 14, 2017

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 – 011 March 2017, in Compliance with COM-6

Dear Mr. Veerkamp:

Enclosed please find the Monthly Compliance Report – 011 for the Huntington Beach Energy Project for the month of March 2017, 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, appearing to read "Joshua Wynia", is placed on a light gray rectangular background.

Joshua Wynia
Project Director

Enclosure

cc: Project File

REPORT

Huntington Beach Energy Project Monthly Compliance Report – 011

Report Period: March 2017

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

April 14, 2017



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List of Active Conditions March 2017

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
TRANS-3	Traffic Control Plan
WASTE-2	Asbestos Demolition Notification
WASTE-5	Construction waste management
VIS-3	Long-Term Construction Screening, Landscape Protection, and Site Restoration Plan – Project Demolition, Construction, and Commissioning
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
ft	Foot
FTP	File Transfer Protocol
HBEP	Huntington Beach Energy Project
in	Inches
lbs	Pounds
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, continues removing and stockpiling of the asphalt and gunite coating from the east fuel oil tank berm in preparation for soil removal.

GSD began demolition of the earthen berm and stockpiling of material along the western side of the tank berm next to the parking lot. This location was selected to stockpiling because it allows better access for loading trucks and eliminates trucks needing to backing up. This location also keeps the truck route and staging within the paved parking lot minimize track out and driving within the un-stabilized tank area.

Construction screening scaffolding design was approved by the CBO and construction of the 12ft construction screening began on February 21, 2017. The screening was completed on March 10, 2017.

Kiewit mobilized to the site to begin execution of the test pile program. Eleven test piles will be installed at three different locations, with different types and sizes of piles to confirm soil assumption for the foundation design. The first set of 11 test piles was started on March 23, 2017 in location #2 and was completed on March 29, 2017. The drill rig and support equipment relocated to pile locations #1 and #3 within the tank area and installation of test piles in locations #1 and #3 began on March 30, 2017. The installation of test piles is expected to be completed in early April.

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 began removal of the gunite and asphalt covering on the east fuel oil tank berm, material is being stock piled and will be processed for recycling.
- GSD began removal and stock piling of earthen berm along west side of tank area in preparation for hauling offsite.
- Argus - completed asbestos abatement of the fuel oil pipeline section that was within the berm.
- Installed additional SWPPP BMP's for removal of tank berm
- 66KV conductors removed within construction boundary on March 29th
- Kiewit mobilized to the site for test Pile program completing the following activities
 - Temporary office setup
 - Survey of pile locations
 - Survey of underground utilities
 - Setup drill rig and required support equipment
 - Prepared pile test area for test piles - stabilize soil and path to test location
 - Drilled and installed piles
- Distillate tank metal bottom removed and concert foundation removed.

- Safeway started the construction of the 12 foot construction screening along the east boarder of the construction area. Scaffolding structure will be erected, ground anchors and cabling installed, and a 4 foot section of screening installed. The 12 foot construction screening was completed on March 10, 2017.

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
GEO	Test Piles Work Package – Site Mobilization Work Plan, Document Submittal Schedule, Quality Control Plan, Grout Mix Control, Product Data Sheet, Grout Material Certificates, Grout Admixture Material Certificates, Test Pile Work Plan	3/1/17
ELEC-1	Kiewit Construction Trailer Design for Test Piles	3/3/17

4.0 Required Documents Submitted with this Report

4.1 Air Quality

This section summarizes the activities conducted in March 2017 to demonstrate compliance with Conditions of Certification (COCs) AQ-SC3, AQ-SC4, AQ-SC5, and AQ-SC6. The required information for these COCs is provided in the sections below and/or Appendix E.

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 (AQCOMM) 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 March 2017, 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. Tire washing to be conducted if needed.
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 – Shaker plates installed. Gravel ramps to be installed as needed.
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.

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

Implementation Measure	Out of Compliance Trigger	In Compliance Trigger ^a	Results During Compliance Period
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
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 March 2017. 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 during the month and tagged to indicate compliance with AQ-SC5:

- Takeuchi TL10CR Skid Steer Loader
- Volvo EC480EL Excavator
- Volvo A30G/Articulate Truck
- John Deere JD 210K Skip Loader
- SEBNSA Concrete Pump
- Casagrande B250 Drill Rig
- JLG G12-55A Forklift
- Extreme Boom XR2024
- Genie S-85 Man Lift
- Extreme Boom XR3034
- Caterpillar 315F LCR Excavator
- HAMM H11ixP Compactor
- CASE 750M XLT Dozer
- Komatsu PC360LC-10

A Caterpillar 314D LCR Excavator was brought to site on 2/28/2017. The equipment was not used in March and was removed from the site on 03/17/2017 and will not be used until its compliance to AQ-SC5 is verified.

Appendix E provides a table summarizing information about the engines including the CARB Engine Identification Number, tier and the dates the equipment was used 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.

Street sweeping was completed by Nationwide Environmental on March 24, 2017. 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. Fifty seven workers received training during this reporting period. A total of 257 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 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. See Section 4.2 for number of workers trained during this reporting period and total workers who 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.

Activities associated with CUL-6 Undiscovered Cultural Resources during this monthly reporting period are summarized and 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.

Activities associated with paleontological resources during this monthly reporting period are summarized and included in Appendix I.

4.6 Visual Resources

In compliance with VIS-3, the 12ft construction screening was completed on March 10, 2017. No VIS-3 construction screening repairs were needed during this monthly reporting period.

4.7 Waste Management

WASTE-5 requires that a construction waste management plan be prepared and that the records of the volume of waste generated, waste management methods used, and a comparison of the actual waste

generation and management methods used to those proposed in the original Construction Waste Management Plan.

Waste streams generated during the reporting period included construction and demolition debris (pipe wrap insulation, scrap metals, and general debris) and hazardous waste (asbestos containing material). All wastes were handled in accordance with the project’s Construction Waste Management Plan. Table 4-2 below summarizes the volume of each waste stream generated for the current month, annually, and project to date.

Table 4-2. Pounds of Waste Generated By Type

	Non-hazardous Waste	Hazardous Waste - Disposed	Hazardous Waste - Recycled	Concrete Waste - Recycled	Scrap Metal - Recycled	C & D	Total Pounds Generated	Total Pounds Recycled	Percent Recycled
2016 Annual Total	379,893	243,029	224,178	5,040,000	3,303,180	13,365	9,203,645	8,567,358	93%
2017 Annual Total	1,207	20,323	0	2,280,000	606,100	1,260	2,908,890	2,886,100	99%
January	1,207	18,662	0	0	472,782	1,215	493,864	472,780	96%
February	0	1,1661	0	2,280,000	133,320	45	2,415,026	2,413,320	100%
March	0	33,720	0	0	89,740	10,545	134,005	89,740	67%
Project to Date Total	381,100	297,072	224,178	7,320,000	3,999,020	25,170	12,246,540	11,543,198	94%

4.8 Worker Safety

4.8.1 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.

4.8.1.1 Safety Training

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

4.8.1.2 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 K.

4.8.1.3 Continuing or Unresolved Situations

- None to report.

4.8.1.4 Accidents and Injuries

Incident alerts for this monthly reporting period are included in Appendix K.

4.8.2 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 K.

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
GEO	Test Piles Work Package – Site Mobilization Work Plan, Document Submittal Schedule, Quality Control Plan, Grout Mix Control, Product Data Sheet, Grout Material Certificates, Grout Admixture Material Certificates, Test Pile Work Plan	3/1/17		
ELEC-1	Kiewit Construction Trailer Design for Test Piles	3/3/17		

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 L.

An addendum to the April 27, 2016 LNTP VIS-3 memo was submitted on November 16, 2016 to address the proposed approach for the installation of the 12' screening prior to the start of excavation and stockpiling of the containment berms. In place of the previously approved plan for construction of a new 12' fence, the Project Owner is proposing to use the 12' screening that uses scaffolding which would be a less intrusive and lower cost approach.

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 (LNTN) activities approved by the CEC, AES proposed an amended VIS-3 submittal to specifically address the activities being performed under LNTN activities. The LNTN VIS-3 submittal was approved by the CEC on May 3, 2016. The comprehensive VIS-3 submittal was submitted to the CEC on December 13, 2016.

7.2 WORKER SAFETY-1 Project Construction Safety and Health Program

Due to the LNTN activities approved by the CEC, AES proposed an amended WORKER SAFETY-1 submittal to specifically address the activities being performed under LNTN 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 LNTN 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.

7.4 TRANS-3 Traffic Control Plan

Due to the changes in the LNTN scope of work regarding offsite transportation and disposal of soils from the berms that were originally to remain on site, TRANS-3 was submitted for approval on March 20, 2017.

8.0 Filings/ Permits Issued by Governmental Agencies

During this reporting period notification to AQMD for asbestos abatement and a drilling permit for a portion of the test pile program were obtained. Copies of the permits are included in Appendix M.

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 37 calls with no complaints received. The hotline received two calls in the month of March 2017. Call log is included in Appendix N.

Appendix A
Construction Schedule

Activity ID	Activity Name	OO	% Cmpl	Start	Finish	TF	2017															
							Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
OSHB-1385	Approve AQ-SC2 to CEC	5	100%	09-Oct-15 A	15-Mar-16 A																	
OSHB-1390	Submit AQ-SC6 to CEC	1	100%	08-Oct-15 A	08-Oct-15 A																	
OSHB-1395	Approve AQ-SC6 to CEC	5	100%	09-Oct-15 A	15-Mar-16 A																	
OSHB-1400	Submit BIO-1 to CEC	7	100%	18-Sep-15 A	18-Sep-15 A																	
OSHB-1405	Approve BIO-1 to CEC	5	100%	19-Sep-15 A	28-Sep-15 A																	
OSHB-1410	Submit BIO-3 to CEC	7	100%	18-Sep-15 A	18-Sep-15 A																	
OSHB-1415	Approve BIO-3 to CEC	5	100%	19-Sep-15 A	28-Sep-15 A																	
OSHB-1420	Submit BIO-5 to CEC	45	100%	11-Jan-16 A	11-Jan-16 A																	
OSHB-1425	Approve BIO-5 to CEC	5	100%	12-Jan-16 A	20-Apr-16 A																	
OSHB-1430	Submit BIO-6 to CEC	45	100%	11-Jan-16 A	11-Jan-16 A																	
OSHB-1435	Approve BIO-6 to CEC	5	100%	12-Jan-16 A	20-Apr-16 A																	
OSHB-1440	Submit CUL-1 to CEC	1	100%	18-Sep-15 A	22-Apr-16 A																	
OSHB-1445	Approve CUL-1 to CEC	49	100%	25-Apr-16 A	30-Jun-16 A	CEC																
OSHB-1450	Submit CUL-2 to CEC	1	100%	17-Sep-15 A	17-Sep-15 A																	
OSHB-1455	Approve CUL-2 to CEC	5	100%	18-Sep-15 A	30-Jun-16 A	CEC																
OSHB-1460	Submit CUL-3 to CEC	30	100%	04-Mar-16 A	04-Mar-16 A																	
OSHB-1465	Approve CUL-3 to CEC	97	100%	10-Mar-16 A	03-Aug-16 A	Submit CUL-3 to CEC																
OSHB-1470	Submit CUL-5 to CEC	1	100%	02-Oct-15 A	03-Oct-15 A																	
OSHB-1475	Approve CUL-5 to CEC	5	100%	05-Oct-15 A	28-Jun-16 A	CEC																
OSHB-1480	Submit CUL-6 to CEC	19	100%	02-Oct-15 A	02-Oct-15 A																	
OSHB-1485	Approve CUL-6 to CEC	5	100%	03-Oct-15 A	28-Oct-15 A																	
OSHB-1490	Submit CUL-7 to CEC	1	100%	18-Sep-15 A	18-Sep-15 A																	
OSHB-1495	Approve CUL-7 to CEC	5	100%	18-Sep-15 A	30-Jun-16 A	CEC																
OSHB-1500	Submit GEO-2 to CEC	60	100%	16-May-16 A	16-May-16 A																	
OSHB-1505	Approve GEO-2 to CEC	5	100%	17-May-16 A	29-Aug-16 A	Approve GEO-2 to CEC																
OSHB-1510	Submit HAZ-7 to CEC	7	100%	18-Sep-15 A	18-Sep-15 A																	
OSHB-1515	Approve HAZ-7 to CEC	5	100%	18-Sep-15 A	28-Sep-15 A																	
OSHB-1520	Submit NOISE-1 to CEC	15	100%	20-May-16 A	20-May-16 A																	
OSHB-1525	Approve NOISE-1 to CEC	5	100%	23-May-16 A	15-Jul-16 A	SE-1 to CEC																
OSHB-1530	Submit NOISE-3 to CEC	30	100%	27-Jun-16 A	27-Jun-16 A	CEC																
OSHB-1535	Approve NOISE-3 to CEC	5	100%	28-Jun-16 A	13-Jul-16 A	SE-3 to CEC																
OSHB-1540	Submit NOISE-6 to CEC	1	100%	18-Sep-15 A	18-Sep-15 A																	

Actual Level of Effort
 Remaining ...
 Actual Work
 Critical Rem...



AES HBEP NTP SCHEDULE (CLH) For CEC Mtg 3-30-17				AES Owner's Schedule												04-Apr-17 14:26							
Activity ID	Activity Name	OO	% Cmpl	Start	Finish	TF	2017																
							Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
OSHB-1545	Approve NOISE-6 to CEC	5	100%	21-Sep-15 A	15-Mar-16 A																		
OSHB-1550	Submit PAL-1 to CEC	22	100%	18-Sep-15 A	18-Sep-15 A																		
OSHB-1555	Approve PAL-1 to CEC	5	100%	21-Sep-15 A	19-Oct-15 A																		
OSHB-1560	Submit PAL-2 to CEC	22	100%	18-Sep-15 A	18-Sep-15 A																		
OSHB-1565	Approve PAL-2 to CEC	5	100%	21-Sep-15 A	19-Oct-15 A																		
OSHB-1570	Submit PAL-3 to CEC	30	100%	09-Mar-16 A	09-Mar-16 A																		
OSHB-1575	Approve PAL-3 to CEC	5	100%	09-Mar-16 A	04-Apr-16 A																		
OSHB-1580	Submit PAL-4 to CEC	2	100%	09-Mar-15 A	09-Mar-16 A																		
OSHB-1585	Approve PAL-4 to CEC	5	100%	10-Mar-16 A	04-Apr-16 A																		
OSHB-1590	Submit WASTE-3 to CEC	28	100%	01-Apr-16 A	01-Apr-16 A																		
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																		ORKER SAFETY-1 to CEC (HB Fire Department)
OSHB-1615	Approve WORKER SAFETY-1 to CEC (HB Fire Department)	70	100%	04-Apr-16 A	24-Aug-16 A																		pprove WORKER SAFETY-1 to CEC (HB Fire Department)
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																		NTP CBO Submittals
OSHB-1655	Approve GEN-2 to CBO Master List of LNTP CBO Submittals	5	100%	05-Apr-16 A	17-May-16 A																		er List of:LNTP CBO Submittals
Utility Construction Risk Management		167	100%	01-Feb-16 A	30-Aug-16 A																		30-Aug-16 A, Utility Construction Risk Management
Above Grade		99	100%	20-Apr-16 A	30-Aug-16 A																		30-Aug-16 A, Above Grade
OSHB-1660	Develop Above Grade Utility Termination Identification Plan	20	100%	20-Apr-16 A	12-Jul-16 A																		e Grade:Utility Termination Identification Plan
OSHB-1670	Access Interior Tanks and Investigate (Cleaning)	38	100%	13-Jul-16 A	30-Aug-16 A																		Access Interior Tanks and Investigate (Cleaning)
OSHB-1680	Clean/Cut/Cap Existing Utility Clearance Tanks - AG	42	100%	30-Jun-16 A	26-Aug-16 A																		Clean/Cut/Cap Existing Utility Clearance Tanks - AG
OSHB-1690	Clean/Cut/Cap Existing Utility Clearance Peak Bldg - AG	48	100%	30-Jun-16 A	26-Aug-16 A																		Clean/Cut/Cap Existing Utility Clearance Peak Bldg - AG
Underground		167	100%	01-Feb-16 A	23-Aug-16 A																		3-Aug-16 A, Underground
OSHB-1700	Develop Underground Utility Termination Identification Plan	160	100%	01-Feb-16 A	19-Aug-16 A																		velop Underground Utility Termination Identification Plan

Actual Level of Effort
 Remaining ...
 Actual Work
 Critical Rem...



Activity ID	Activity Name	OO	% Cmpl	Start	Finish	TF	2017											
							Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
OSHB-1710	Clean/Cut/Cap Existing Utility Clearance All - UG	20	100%	12-Aug-16 A	23-Aug-16 A		Clean/Cut/Cap Existing Utility Clearance All - UG											
Environmental Assessment		270	98.14%	14-Sep-15 A	07-Apr-17	72	07-Apr-17, Environmental Assessment											
Asbestos and Lead Paint Surveys		31	100%	14-Sep-15 A	30-Nov-15 A													
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 A													
Soil Sampling & HRA		197	100%	04-Jan-16 A	28-Jun-16 A		Sampling & HRA											
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 A													
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 A		Field Work and Report											
OSHB-1770	No Remediation required	90	100%	09-May-16 A	13-May-16 A													
OSHB-1780	Submit WASTE-1 to CEC	45	100%	28-Jun-16 A	28-Jun-16 A		to CEC											
Geotechnical Analysis		75	100%	27-Jan-16 A	22-Jun-16 A		chnical Analysis											
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		IN ONLY)											
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		eport											
OSHB-1840	No Contamination Found / HRA not Required	7	100%	10-Jun-16 A	10-Jun-16 A		nd / HRA not Required											
NPDES Requirements		72	100%	07-Apr-16 A	15-Jul-16 A		NPDES Requirements											
OSHB-1860	Development of Construction SWPPP	25	100%	07-Apr-16 A	28-Apr-16 A		PP											
OSHB-1870	SOIL&WATER- 1: SWPPP to CBO (FOR REVIEW AND COMMENT)	11	100%	29-Apr-16 A	07-Jun-16 A		to CBO (FOR REVIEW AND COMMENT)											
OSHB-1880	Submit SOIL&WATER-1 to CEC	20	100%	29-Apr-16 A	06-Jun-16 A		o CEC											
OSHB-1885	Approve Soil & Water and SWPPP	15	100%	07-Jun-16 A	15-Jul-16 A		& Water and SWPPP											
Temporary Utilities - Trailers		135	100%	20-Apr-16 A	23-Sep-16 A		23-Sep-16 A, Temporary Utilities - Trailers											
OSHB-1890	ID Locations	15	100%	20-Apr-16 A	10-May-16 A													
Service Agreements		120	100%	11-May-16 A	23-Sep-16 A		23-Sep-16 A, Service Agreements											
OSHB-1900	SCE 220V/480V Supply	120	100%	11-May-16 A	23-Sep-16 A		SCE 220V/480V Supply											
OSHB-1910	Internet	90	100%	11-May-16 A	23-Sep-16 A		Internet											

Actual Level of Effort
 Remaining ...
 Actual Work
 Critical Rem...



AES HBEP NTP SCHEDULE (CLH) For CEC Mtg 3-30-17 AES Owner's Schedule 04-Apr-17 14:26

Activity ID	Activity Name	OO	% Cmpht	Start	Finish	TF	2017											
							Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
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													
Asbestos and Lead Paint Abatement Admin Work							Abatement Admin Work											
OSHB-1950	Develop Abatement Technical Specs	5	100%	01-Feb-16 A	05-Feb-16 A													
OSHB-1960	Lead and Asbestos Abatement Plan to CBO (FOR INFORMATION ONLY)	2	100%	08-Feb-16 A	09-Feb-16 A		TION ONLY)											
OSHB-1970	Bid and Award Asbestos and LP Abatement Contractor	8	100%	14-Mar-16 A	23-Mar-16 A		ntractor											
OSHB-1980	Submit WASTE-2 form to AQMD and CEC	10	100%	31-Mar-16 A	14-Apr-16 A		C											
OSHB-1990	Complete SCAQMD Notification form - Rule 1403	10	100%	31-Mar-16 A	14-Apr-16 A		ule 1403											
Clean and Cap AES and Plains Abandoned Oil Lines and Appurtenances							07-Apr-17, 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 A													
OSHB-2010	Bid and Award Contract - Procurement	10	100%	29-Apr-16 A	27-Jun-16 A		ntract - Procurement											
OSHB-2020	Pig and Cap Oil Lines	27	100%	25-Jul-16 A	19-Aug-16 A		and Cap Oil Lines											
OSHB-2030	Development of Summary Report	5	0%	31-Mar-17	07-Apr-17	72	Development of Summary Report											
Field Lead and Asbestos Abatement Work							Aug-16 A, Field Lead and Asbestos Abatement Work											
Peaker Building, Fuel Tanks							Peaker Building, Fuel Tanks											
OSHB-2040	Field Mobilization	3	100%	02-May-16 A	11-May-16 A													
OSHB-2050	Field Abatement Work	30	100%	12-May-16 A	08-Jul-16 A		nt Work											
AES and Plain Abandoned Oil Lines and Appurtenances							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		ld Abatement Work											
OSHB-2070	Notify AQMD/CEC of Abatement Completion	0	100%		19-Aug-16 A		tify AQMD/CEC of Abatement Completion,											
NTP (Prep & Execution)							04-Oct-17, NTP (Prep & Execution)											
OSHB-2080	CEC Issuance of LNTP	0	100%	21-Mar-16 A	10-Aug-16 A		ssuance of LNTP, 10-Aug-16 A											
OSHB-2090	LNTP Scope Completion	0	0%		04-Oct-17*	-57	LNTP Scope Completion											
Office Trailers							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							Fencing											
OSHB-2120	Submit VIS-3 to CEC (LNTP)	60	100%	21-Mar-16 A	03-May-16 A													
OSHB-2150	Install 8' Fence Screening Material	5	100%	03-May-16 A	13-May-16 A		rial											
Demolition							21-Apr-17, Demolition											
Demolition - Administrative Work							16 A, Demolition - Administrative Work											
OSHB-2160	Complete Demolition Specification	30	100%	20-Apr-16 A	06-Jun-16 A		ecification											
OSHB-2170	Demolition Specification to CBO (FOR REVIEW AND COMMENT)	20	100%	01-Jun-16 A	06-Jul-16 A		cification to CBO (FOR REVIEW AND COMMENT)											

Actual Level of Effort
 Remaining ...
 Actual Work
 Critical Rem...



Activity ID	Activity Name	OO	% Cmpl	Start	Finish	TF	2017											
							Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
OSHB-2180	Procure Demo Contractor	20	100%	01-Jul-16 A	18-Jul-16 A		no Contractor											
OSHB-2190	Demo Contractor Develop/Submit Field Work Plan	15	100%	21-Jul-16 A	03-Aug-16 A		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 176 90.34% 15-Aug-16 A 21-Apr-17 61							21-Apr-17, 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	95%	06-Jan-17 A	31-Mar-17	-4	Demo Abandoned Oil Lines (Plains)											
OSHB-2235	Demo Abandoned Oil Lines (AES)	55	100%	29-Aug-16 A	18-Nov-16 A		Demo Abandoned Oil Lines (AES)											
OSHB-2240	Demo Peaker Building, Peaker Aux Building & Fuel Skid	60	100%	29-Sep-16 A	19-Jan-17 A		Demo Peaker Building, Peaker Aux Building & Fuel Skid											
OSHB-2250	Demo Peaker 66kV Line	20	60%	29-Mar-17 A	10-Apr-17	70	Demo Peaker 66kV Line											
OSHB-2260	Clean FO and Peaker Fuel Tank Interior	15	100%	30-Aug-16 A	02-Sep-16 A		Clean FO and Peaker Fuel Tank Interior											
OSHB-2270	Disconnect 66KV	2	50%	29-Mar-17 A	30-Mar-17	77	Disconnect 66KV											
OSHB-2280	Demo Peaker Fuel and FO Tank For Sampling	5	100%	29-Aug-16 A	07-Sep-16 A		Demo Peaker Fuel and FO Tank For Sampling											
OSHB-2290	Demo Peaker Fuel and FO Tank	20	100%	07-Sep-16 A	09-Nov-16 A		Demo Peaker Fuel and FO Tank											
OSHB-2300	Maintenance & Storage Building Relocation	17	0%	30-Mar-17*	21-Apr-17	61	Maintenance & Storage Building Relocation											
OSHB-2310	Verification of Reused Assets and Interconnects	10	100%	15-Sep-16 A	13-Oct-16 A		Verification of Reused Assets and Interconnects											
OSHB-2380	Power Pole Study	9	100%	28-Feb-17 A	30-Mar-17 A		Power Pole Study											
OSHB-2440	Secure Site (i.e. exterior fencing, etc. install VIS 3 Fence)	60	100%	26-Aug-16 A	14-Mar-17 A		Secure Site (i.e. exterior fencing, etc. install VIS 3 Fence)											
Soil Remediation Beneath Storage Tank 135 0% 30-Mar-17 04-Oct-17 -57							04-Oct-17, Soil Remediation											
OSHB-2320	Develop Work Plan for DTSC	34	0%	06-Apr-17*	23-May-17	-57	Develop Work Plan for DTSC											
OSHB-2330	Remedial Action Plan/HHRA to CBO (FOR INFORMATION ONLY)	20	0%	06-Apr-17	03-May-17	-57	Remedial Action Plan/HHRA to CBO (FOR INFORMATION ONLY)											
OSHB-2340	Contract with Soil Remediation	20	0%	06-Apr-17	03-May-17	-57	Contract with Soil Remediation											
OSHB-2350	Site Remediation	30	0%	04-May-17	14-Jun-17	-57	Site Remediation											
OSHB-2360	Prepare / Submit Remedial Conformation Report to DTSC	20	0%	15-Jun-17	12-Jul-17	-57	Prepare / Submit Remedial Conformation Report											
OSHB-2370	DTSC review and approval	60	0%	13-Jul-17	04-Oct-17	-57	DTSC review and approval											
OSHB-2400	Water Sampling	5	0%	30-Mar-17*	05-Apr-17	-57	Water Sampling											
Excavate Containment Berms 184 83.7% 15-Jul-16 A 10-Mar-17 -3							10-Mar-17, Excavate Containment Berms											
OSHB-2392	Develop Specification for Work	10	100%	15-Jul-16 A	01-Aug-16 A		Develop Specification for Work											
OSHB-2393	Bid and Award Contract - Procurement	5	100%	01-Aug-16 A	30-Aug-16 A		Bid and Award Contract - Procurement											
OSHB-2394	VIS-3: Construction Fencing to CBO 12' Fence (FOR REVIEW AND COMMENT)	0	100%	11-Nov-16 A			VIS-3: Construction Fencing to CBO 12' Fence (FOR REVIEW AND COMMENT), 11-Nov-16 A											
OSHB-2404	Approval of VIS-3 by CEC and CBO	10	100%	02-Dec-16 A	27-Feb-17 A		Approval of VIS-3 by CEC and CBO											

AES HBEP NTP SCHEDULE (CLH) For CEC Mtg 3-30-17				AES Owner's Schedule			2017															
Activity ID	Activity Name	OO	% Cmpit	Start	Finish	TF	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
OSHB-2480	Demo Berms	60	55%	13-Feb-17 A	05-May-17	-3																
OSHB-2490	Haul Berm Material Offsite	30	0%	30-Mar-17*	10-May-17	-3																
Kiewit Offsite Preparation		239	70.77%	30-Jun-16 A	05-Jul-17	1187																
OSHB-2560	Traffic Analysis/Assessment	169	100%	30-Jun-16 A	17-Feb-17 A																	
OSHB-2570	Design Newland Parking Entrance	30	84.83%	06-Jan-17 A	05-Apr-17	1187																
OSHB-2580	Submit / Approve City of HB permit	60	0%	06-Apr-17	28-Jun-17	1187																
OSHB-2600	Demo Tank Farm on Laydown Area (Magnolia)	50	33%	30-Jan-17 A	16-May-17	45																
OSHB-2610	Design Magnolia Entrance	5	0%	30-Mar-17	05-Apr-17	1187																
OSHB-2720	Construct Newland Entrance	5	0%	29-Jun-17	05-Jul-17	1187																
OSHB-2730	Construct Magnolia Entrance	5	0%	30-Mar-17	05-Apr-17	1252																

█ Actual Level of Effort █ Remaining ...
█ Actual Work █ Critical Rem...



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 ACTIVITES	
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 Abetment	May 11, 2016
Vis-3 Phase 1 - Fence screening material	May 11, 2016
Demolitions Specification	Jun 6, 2016
LNTP 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
Removal of Berms	April 7, 2017
Site Remediation (If required)	Apr 20, 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. Submitted resume for Jeff McClarty 11/14/16. Approved 12/2/16. Submitted resumes for Hong Zhuang and Jerry Salamy for approval 2/7/17. Approved 2/16/17.
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-7	General Impact Avoidance And Minimization Measures							
BIO-8	Pre-Construction Nest Surveys and Impact Minimization Measures for Breeding Birds	CH2MHill					Approved	Submitted Melissa Fowler's resume to USDFWS 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	

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-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.
CUL-3	Cultural Resources Mitigation and Monitoring Plan (CRMMP)	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 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.

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
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				9/18/2015-3/20/17	CEC Review	10/19/2015. Submitted Resume of Richard Serrano as PRM to CEC for approval 3/20/17.
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
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.
TRANS-3	Traffic Control Plan	AES				3/20/2017	CEC Review	Submitted to CEC for approval 3/20/17.
VIS-3	Long-Term Construction Screening, Landscape Protection, and Site Restoration Plan - Project Demolition, Construction, and Commissioning	AES				4/1/2016	CEC Review	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-submitted to CEC for approval 4/27/16. CEC approval 5/3/16. Submitted Construction Screening Addendum 11-11-16. Re-submitted addendum with an installation timeline 11/16/16. Approved 11/30/16. Submitted Comprehensive landscape and site restoration plan 12/6/16. After discussion with CEC on 12/9/16, AES re-submitted plan on 12/13/16. CEC provided comments on 1/18/17.
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

AES HBEP LNTP Pre-Construction 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
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-014

Date: 3/1/2016

Project: Huntington Beach Energy Project – Owner’s Scope

Package: GEO

Subject: Test Piles Work Package

Due Date: 3/1/17

Comments: Documents submitted to CBO for review

Deliverable #	Title	Revision	Issue Date
GEO	Site Mobilization Work Plan	0	3/1/17
GEO	Document Submittal Schedule	0	3/1/17
GEO	Quality Control Plan	0	3/1/17
GEO	Grout Mix Design	0	3/1/17
GEO	Product Data Sheet	0	3/1/17
GEO	Grout Material Certificates	0	3/1/17
GEO	Grout Admixture Material Certificates	0	3/1/17
GEO	Test Pile Work Plan	0	3/1/17

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

Color code key:	Demolition Item	Construction	Closeout Item	Date Submitted to CEC or Agency	Date Approved by CEC or Agency
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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
CIVIL-01	CONSTRUCTION		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.		4/24/2017		
CIVIL-02	CONSTRUCTION		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	CONSTRUCTION		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	CONSTRUCTION		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	CONSTRUCTION		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	CONSTRUCTION		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	CONSTRUCTION		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 tsunamis. 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 tsunamis, 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	CONSTRUCTION		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 noisy 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					11/14/2016		Received CBO comments on 11/18/16. Received additional comments on 12/20/16. Re-submitted to NV5 on 1/27/17. Received comments on 1/30/17.
		Utility Clearance Plan					9/9/2016		Utility Isolation Verification - East Fuel Oil Tank and Distillate Tank SUBMITTED 9/13/16

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
		Demolition Site Delineation Plan					4/24/2017		
VIS-1	CONSTRUCTION		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	CONSTRUCTION		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 Submitted to CEC on 11/16/16
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.				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
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	CONSTRUCTION		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)
March 2017 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	NV5 CBO Agreement For HBES
NV5 INC	9/5/2016	9/5/2016	9/5/2016	68,556.30		
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		
NV5 INC	10/12/2016	10/21/2016	11/11/2016	-107,249.81	53070	NV5 CBO Agreement For HBES
NV5 INC	10/12/2016	10/21/2016	11/11/2016	-1,075.07	53080	NV5 CBO Agreement For HBES
NV5 INC	11/7/2016	11/7/2016	11/7/2016	108,324.88		
NV5 INC	11/17/2016	11/28/2016	12/17/2016	-97,570.98	54871	NV5 CBO Agreement For HBES
NV5 INC	12/12/2016	12/12/2016	12/12/2016	97,570.98		
NV5 INC	12/15/2016	12/22/2016	1/14/2017	-108,727.49	56379	NV5 CBO Agreement For HBES
NV5 INC	1/9/2017	1/9/2017	1/9/2017	108,727.49		
NV5 INC	1/20/2017	1/26/2017	2/19/2017	-88,982.03	58053	NV5 CBO Agreement For HBES
NV5 INC	2/13/2017	2/13/2017	2/13/2017	88,982.03		
NV5 INC	2/21/2017	2/24/2017	3/23/2017	-86,449.69	59550	February Invoice - NV5 CBO Agreement For HBES
NV5 INC	3/15/2017	3/15/2017	3/15/2017	86,449.69		February Invoice payment completed in March
NV5 INC	2/28/2017	3/27/2017	4/19/2017	-56,036.25	60848	NV5 CBO Agreement For HBES

Appendix E

Air Quality



Kiewit Power Constructors Co.
9401 Renner Blvd.
Lenexa, KS 66219
Phone (913) 928-7000 Fax (913) 689-4000

03/28/2017

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 manufacturer's and Kiewit's recommendations.

This is for the equipment listed below at:

21730 NEWLAND STREET
HUNTINGTON BEACH, CA 92646

<u>Description</u>	<u>Unit Number</u>	<u>Serial Number</u>
1. John Deere 210K Ski Loader	155857	1T8210KXCDE891633
2. Workhorse-535 Gallon Water Trailer	138647	4S9BF0928BC041395
3. Miller-Trail Blazer 302	153217	MD231099R
4. SEBHSA-Concrete Pump	170457	1493
5. CasaGrande B250 Drill Rig		B250UQ0306
6. Xtreme Forklift XR3034	153827	XR3034111392123

All info verified by: Kiewit Infrastructure West Co.
Southern California
10704 Shoemaker Ave
Santa Fe Springs, CA 90670

All info verified by: Kiewit Power Constructors Co.
Kiewit Foundation Group
9701 Renner Blvd.
Lenexa, KS 66219

Steve Clem
Southern California District Equipment Manager
Kiewit Infrastructure West Co.

Josh Overmeyer
Equipment Operations Manager
Kiewit Power Constructors Co.



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

03/28/17

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 Kiewit Power Construction at: 21730 Newland St, Huntington Beach.

	EIN#
1. Case Dozer 750 unit # 10334031	AA9A88
2. Hamm Roller unit # 10507521	AP7H97
3. Genie Boom 85” unit # 10354230	XX9G44
4. Reach Forklift 12k unit 10061922	JX9S97

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

Mark Skye
Branch Manager
United Rentals, Inc.



**Construction Equipment
& Services**

3/31/2017

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 EXCAVATOR

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 3/31/2017: 1773 hours.

Last oil change service completed: 1500 hour service completed 1/09/2017 @ 1525
Last inspection by Volvo technician: 1/09/2017.
Last inspection by Volvo Product Support: 2/21/2017.
Next oil service due: 2000 hours

Equipment Information ARTICULATED HAULER

Manufacturer: Volvo
Model Number: A30G
Serial Number: 740174
Year: 2015

Engine Information

Manufacturer: Volvo
Model Number: D11L
Serial Number: 357506
Year: 2015
Family Number: FVSXL 10.8T4F



Horsepower: 355
Displacement: 10.8 litres

Current hours reported on 3/31/2017: 514 hours.

Last oil change service completed: 500 hour service completed 2/10/2017 @ 429

Last inspection by Volvo technician: 2/15/2017.

Last inspection by Volvo Product Support: 2/21/2017.

Next oil service due: 1000 hours

R/S,

A handwritten signature in black ink that reads "BK7 (FARRELL)".

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



Quinn Rental Services
Post Office Box 226789
Los Angeles, California 90022-0489
562.463.4721 Tel
562.695.8470 Fax

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 manufacturer's and Kiewit's recommendations.

This is for the equipment listed below at:
21730 NEWLAND STREET
HUNTINGTON BEACH, CA 92646

<u>Description</u>	<u>Unit Number</u>	<u>Serial Number</u>
315 excavator	160745	OTDY00120

All info verified by: Quinn Rental Services
Foothill Ranch Branch
25961 Wright St
Foothill Ranch, Ca 92610

A handwritten signature in black ink, appearing to read 'Mike Salaz', written in a cursive style.

Mike Salaz
Branch Manager
Quinn Rental Services



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 Savala Equipment Company, Inc.'s recommendations.

This is in reference to the following equipment:

- | | |
|---|-------------------------|
| 1) KOMATSU PC360LC Track Excavator (unit # E-160) | <u>E.I.N.</u>
LU6Y44 |
|---|-------------------------|

By: _____


Aaron Dyer
Vice President
Savala Equipment Company, Inc.

Appendix E
HBEP Off Road Diesel Equipment

Date Arrived	Date Removed	CARB ID 6 digit alpha numeric	HBEP ID	Equipment						Engine							
				Manufacturer	Model/Description	Model Year	Serial Number	Owner	Renter	Manufacturer	Engine Family	Engine Model	Displacement (L)	Model Year	Serial Number	Diesel (hp)	Tier
7/25/2016	01/17/17	MU9W57	HBEP-EN005	CASE	590 Super N loader Backhoe	2014	JJGN59SNCEC711133	WA Rassic	WA Rassic	FPT Industrial	EFPLX03.4ADD	FPT F5BFL413A	3.4 L	2014	201279	109	4
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	08/29/16	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
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
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
10/3/2016	10/04/16	LY5A47	HBEP-EN007	JLG	1250AJP Articulating Boom	2014	300186601	United Rentals	GSD	Deutz	DDZXL02.9016	TCD 2.9 L4	2.9L	2013	11544050	74	4F
10/17/2016	11/22/16	EC9H83	HBEP-EN008	JLG	G12-55A ext fork lift	2014	160060843	Sunstate	WA Rassic	Cummins Inc.	ECEXL04.5AAE	QSB4.5	4.5 L	2014	73630523	130	4I
11/8/2016	11/10/16	KG9X86	HBEP-EN009	Genie	S-40 Telescopic Boom	2015	S4015-21143	United Rentals	GSD	Deutz	CDZXL03.1041	D2011L03I	2.3 L	2012	11104845	49	4F
12/1/2016	01/26/17	UD8D93	HBEP-EN010	Genie Articulating Boom	Z-60/34	2011	Z6011-10791	United Rentals	GSD	Deutz	CDZXL03.1041	D2011L03I	2.3 L	2012	11104845	49	4I
2/21/2017	Onsite	SN3N67	HBEP-EN011	Volvo	A30G/Articulate Truck	2015	740174	Volvo Construction Equipment & Services (VCES)	GSD	Volvo	FVSXL 10.8T4F	D11L	10.8	2015	357506	355	4F
2/27/2017	Onsite	YK4J36	HBEP-EN012	John Deere	JD 210K Skip Loader	2013	1T8210KXCDE891633	Kiewit	Kiewit	John Deere	DJDXL04.5211	4045HT073	4.5	2013	PE4045R053118	88	4I
2/28/2017	Onsite	DH8Y47	HBEP-EN013	SEBNSA	Concrete Pump	2016	1493	Kiewit	Kiewit	Perkins	GPKXL04.4MU1	4046/2200	4.4	2016	JKT02830	174	4F
2/28/2017	Onsite	PU9S79	HBEP-EN016	Casagrande	B250 Drill Rig	2011	B250UQ0306	IDE	Kiewit	Deutz	ADZXL15.9065	TCD 2015 V06	15.9	2011	9193813	443	T3
2/28/2017	3/17/2017	GF8S49	NA	Caterpillar	314D LCR Excavator	2012	SS200691	Kiewit	Kiewit	Mitsubishi Heavy Ind	BMVXL04.2CCC	C4.2	4.2	2012	JKH17698	95.6	T3
2/28/2017	Onsite	JX9S97	HBEP-EN014	JLG	G12-55A Forklift	2012	160046055	Kiewit	United Rentals	Cummins	CCEXL04.5AAE	QSB4.5	4.5	2012	73403430	110	4I
3/1/2017	3/7/2017	WD5C87	NA	Extreme	Forklift Boom XR2024	2015	NA	Ahern Rentals	Kiewit	Deutz	FDZXL03.6060	TCD3.6L4	3.6	2015	11822613	134	4F
3/2/2017	Onsite	XX9G44	HBEP-EN015	Genie	S-85 Man Lift	2015	S8515-12538	Kiewit	United Rentals	Deutz	EDZXL02.9020	TD2.9L4	2.9	2014	11697544	74	4F
3/9/2017	Onsite	YT8K77	HBEP-EN016	Extreme	Forklift Boom XR3034	2.013	XR3034111392123	Kiewit	Kiewit	Perkins	DPKXL04.4MK1	3632/2200	4.4	2013	U000972X	131	4I
3/20/2017	Onsite	BU3B57	HBEP-EN018	Caterpillar	315F LCR excavator	2016	TDY00120	Quinn Rental	Kiewit	Perkins	GPKXL04.4MTI	4248/2000	4.4L	2016	W7N08950	100	4F
3/28/2017	Onsite	AP7H97	HBEP-EN019	HAMM	H 11ix P / Compactor	2016	H2100878	United Rentals	Kiewit	Deutz	EDZXL03.6017	TDC 3.6 L4	3.6L	2014	1171419	114	4I
3/28/2017	Onsite	AA9A88	HBEP-EN020	CASE	750M XLT / Dozer	2015	NEDC70070	Untited Rental	Kiewit	FPT Fiat Power T	EFPLX03.4ADD	F5HL413J*A	3.4L	2014	243809	96	4I
3/30/2017	Onsite	LU6Y44	HBEP-EN021	Komatsu	PC360LC-10	2012	KMTPC242T54A32426	Savala Equipment Company	GSD Companies	Komatsu	CKLXL08.9AAJ	SAA6D114E-5	8.9 L	2012	73375996	271	4I

Note:

*: The 314D LCR Excavator was brought to site on 2/28/2017, but has not be used. It was removed from the site on 3/17/2017.

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@huntingtonbeach.com, c=US
Date: 2017.03.01 09:43:58 -0800

Date: 03-01 2017 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	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?	y	rumble plates and tire washer equip are ready for deployment as 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?	y	soil stockpile or concrete rubble piles with wattle@toe of slope, covered, tackifier
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 road / off-site trucking of bulk soils
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, LNTP
(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 LNTP,
email=mark.smith@huntington.com, c=US
Date: 2017.03.01 09:14:00Z

Date: 03-01 2017 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? Kiewit recieved three more pieces of equipment, Extreme XR-2045 fork boom, Genie man lift boom, Cat 314D LCR excavator	YES	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 LNTF,
email=marksmith@huntingtonbeach.com, c=US
Date: 2017.03.02 08:53:38 -0800

Date: 03-02 2017 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	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?	y	rumble plates are ready for deployment as needed, tire washer as 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?	y	soil stockpile or concrete rubble piles with wattle@toe of slope, covered, tackifier
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 road / off-site trucking of bulk soils
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, LNTP
(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 LNTP,
email=mark.smith@huntington.com, c=US
Date: 2017.03.02 10:19:21 -0800

Date: 03-02 2017 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: Mark Smith Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTF,
email=marksmith@huntingtonbeach.com, c=US
Date: 2017.03.03 13:45:51 -0800

Date: 03-03 2017 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	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?	y	rumble plates are ready for deployment as needed, tire washer as 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?	y	soil stockpile or concrete rubble piles with wattle@toe of slope, covered, tackifier
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 road / off-site trucking of bulk soils
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, LNTP
(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 LNTP,
email=marksmith@hbcenergy.com, c=US
Date: 2017.03.03 14:49:54 -0800

Date: 03-03 2017 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, 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@huntingtonbeach.com, c=US
Date: 2017.03.06 09:54:08-0800

Date: 03-06 2017 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	paved
Are unpaved roads onsite stabilized?	y	
Are unpaved exits graveled?	na	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?	y	rumble plates are ready for deployment as needed, tire washer as 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?	y	soil stockpile or concrete rubble piles with wattle@toe of slope, covered, tackifier
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 road / off-site trucking of bulk soils
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, LNTP
(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 LNTP,
email=mark.smith@huntington.com, c=US
Date: 2017.03.06 14:09:08Z

Date: 03-06 2017 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 LNTF,
email=marksmith@huntingbeachenergy.com,
c=US, 2017.03.08.13:44:46-0800

Date: 03-07 2017 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	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?	y	rumble plates are ready for deployment as needed, tire washer as 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?	y	soil stockpile or concrete rubble piles with wattle@toe of slope, covered, tackifier
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 road / off-site trucking of bulk soils
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, LNTP
(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 LNTP,
email=mark.smith@huntington.com, c=US
Date: 2017.03.07 12:44:59 -0800

Date: 03-07 2017 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? Extreme EX 2045 Fork Boom moved off. It arrived on 03-01/off 03-07	YES	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@huntingtonbeach.com, c=US
Date: 2017.03.08 15:24:11 -0800

Date: 03-08 2017 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	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?	y	rumble plates are ready for deployment as needed, tire washer as 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?	y	soil stockpile or concrete rubble piles with wattle@toe of slope, concrete & AC
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 road / off-site trucking of bulk soils
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, LNTP
(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 LNTP,
email=mark.smith@huntington.com, c=US
Date: 2017.08.08 15:05:14 -0800

Date: 03-08 2017 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, 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@huntingtonbeach.com, c=US
Date: 2017.03.09 15:23:02 -0800

Date: 03-09 2017 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	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?	y	rumble plates are ready for deployment as needed, tire washer as 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?	y	soil stockpile or concrete rubble piles with wattle@toe of slope, covered, tackifier
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 road / off-site trucking of bulk soils
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, LNTP
(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 LNTP,
email=marksmith@hbcenergy.com, c=US
Date: 2017.03.09 14:02:27 -0800

Date: 03-09 2017 Thursday

Diesel-Fueled Engine Control Checklist Item (AQ-SC5)	Response (yes/no)	Action
<p>Has any off-road diesel equipment been delivered to the site today?</p> <p style="text-align: center;">EXTREME EX3034 Fork Boom arrived mid afternoon. no forward notice</p>	<p style="text-align: center;">YES</p>	<p>If yes, the onsite Delegate shall:</p> <ol style="list-style-type: none"> 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.
<p>Has any off-road diesel equipment been removed from the site today?</p>	<p style="text-align: center;">n</p>	<p>If yes, the onsite Delegate shall:</p> <ol style="list-style-type: none"> 1.) Collect verification tag and 2.) Update the HBEP Off-Road Diesel Equipment Inventory and submit it to the AQCMM.
<p>Are green or yellow AQCMM tags visible for all diesel off-road engines operating onsite?</p>	<p style="text-align: center;">y</p>	<p>If no, the onsite Delegate shall:</p> <ol style="list-style-type: none"> 1.) Verify equipment is included on the HBEP Off-Road Diesel Equipment Inventory. 2.) Fill out tag and attach to equipment.
<p>Are heavy duty diesel engines idling less than 5 minutes, to the extent practical?</p>	<p style="text-align: center;">y</p>	<p>If no, the onsite Delegate shall notify the equipment owner and/or operator of the requirement to limit idling to the extent practical.</p>
<p>Are off-road engine fluid leaks visible?</p>	<p style="text-align: center;">n</p>	<p>If yes, the onsite Delegate shall notify equipment owner immediately about the need for maintenance.</p>

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 LNTF,
email=marksmith@huntingbeachenergy.com,
date=2017.03.10 09:35:00 -0700

Date: 03-10 2017 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	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?	y	rumble plates are ready for deployment as needed, tire washer as 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?	y	soil stockpile or concrete rubble piles with wattle@toe of slope, covered, tackifier
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 road / off-site trucking of bulk soils
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, LNTP
(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 LNTP,
email=mark.smith@huntingtonenergy.com, c=US
Date: 2017.03.10 10:59:07 -0700

Date: 03-10 2017 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, 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@huntingtonbeach.com, c=US
Date: 2017.03.14 10:55:07-0700

Date: 03-13 2017 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	paved
Are unpaved roads onsite stabilized?	y	
Are unpaved exits graveled?	na	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?	y	rumble plates are ready for deployment as needed, tire washer as 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?	y	soil stockpile or concrete rubble piles with wattle@toe of slope, covered, tackifier
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 road / off-site trucking of bulk soils
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, LNTP
(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 LNTP,
email=mark.smith@huntington.com, c=US
Date: 2017.03.13 10:20:07 -0700

Date: 03-13 2017 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 LNTP,
email=marksmith@huntingtonbeach.com, c=US
Date: 2017.03.14 09:15:17 -0700

Date: 03-14 2017 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	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?	y	rumble plates are ready for deployment as needed, tire washer as 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?	y	soil stockpile or concrete rubble piles with wattle@toe of slope, covered, tackifier
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 road / off-site trucking of bulk soils
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, LNTP
(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 LNTP,
email=mark.smith@huntingtonenergy.com, c=US
Date: 2017.03.14 11:43:07-0700

Date: 03-14 2017 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 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@huntingbeachenergy.com,
date=2017.03.15 10:52:27 -0700

Date: 03-15 2017 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	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?	y	rumble plates are ready for deployment as needed, tire washer as 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?	y	soil stockpile or concrete rubble piles with wattle@toe of slope, covered, tackifier
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 road / off-site trucking of bulk soils
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, LNTP
(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 LNTP,
email=mark.smith@huntington.com, c=US
Date: 2017.03.15 11:17:07Z

Date: 03-15 2017 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, 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@huntingbeachenergy.com,
date=2017.03.16.10:45:50-0700

Date: 03-16 2017 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	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?	y	rumble plates are ready for deployment as needed, tire washer as 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?	y	soil stockpile or concrete rubble piles with wattle@toe of slope, covered, tackifier
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 road / off-site trucking of bulk soils
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, LNTP
(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 LNTP,
email=mark.smith@hbcenergy.com, c=US
Date: 2017.03.16.10:40:28 -0700

Date: 03-16 2017 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? CAT 314D LCR (TIER 3) moved off	YES	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 LNTF,
email=marksmith@huntingtonbeach.com, c=US
Date: 2017.03.21 09:18:26 -0700

Date: 03-20 2017 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	paved
Are unpaved roads onsite stabilized?	y	
Are unpaved exits graveled?	na	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?	y	rumble plates are ready for deployment as needed, tire washer as 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?	y	soil stockpile or concrete rubble piles with wattle@toe of slope, covered, tackifier, or compacted
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 road / off-site trucking of bulk soils
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, LNTP
(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 LNTP,
email=mark.smith@hbepl.com, c=US
Date: 2017.03.20 18:11:07-0700

Date: 03-20 2017 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? Cat 315F L delivered by owner Quinn Rental for Kiewit	YES	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? Cat 314D LCR Kiewit owned removed from the Site 3-17-2017 am	YES	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 LNTF,
email=marksmith@huntingtonbeach.com, c=US
Date: 2017.03.21 10:29:37 -0700

Date: 03-21 2017 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	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?	y	rumble plates are ready for deployment as needed, tire washer as 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?	y	soil stockpile or concrete rubble piles with wattle@toe of slope, covered, tackifier
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 road / off-site trucking of bulk soils
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, LNTP
(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 LNTP,
email=mark.smith@hbepl.com, c=US
Date: 2017.03.21 10:14:07-0700

Date: 03-21 2017 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 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@hbcenergy.com, c=US
Date: 2017.03.23 14:55:04 -0700

Date: 03-22 2017 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	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?	y	rumble plates are ready for deployment as needed, tire washer as 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?	y	soil stockpile or concrete rubble piles with wattle@toe of slope, covered, tackifier
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 road / off-site trucking of bulk soils
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, LNTP
(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 LNTP,
email=mark.smith@huntington.com, c=US
Date: 2017.03.22 14:04:18 -0700

Date: 03-22 2017 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, 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@huntingbeachenergy.com,
date=2017.03.24.17:44:48-0700

Date: 03-24 2017 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	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?	y	rumble plates are ready for deployment as needed, tire washer as 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?	y	soil stockpile or concrete rubble piles with wattle@toe of slope, covered, tackifier
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 road / off-site trucking of bulk soils
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, LNTP
(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 LNTP,
email=mark.smith@hbepl.com, c=US
Date: 2017.03.24 12:44:27 -0700

Date: 03-24 2017 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 LNTF,
email=marksmith@huntingtonbeach.com, c=US
Date: 2017.03.27 16:25:56 -0700

Date: 03-27 2017 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	paved
Are unpaved roads onsite stabilized?	y	
Are unpaved exits graveled?	na	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?	y	rumble plates are ready for deployment as needed, tire washer as 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?	y	soil stockpile or concrete rubble piles with wattle@toe of slope, covered, tackifier
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 road / off-site trucking of bulk soils
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, LNTP
(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 LNTP,
email=mark.smith@hbcenergy.com, c=US
Date: 2017.03.27 10:11:48 -0700

Date: 03-27 2017 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 LNTP,
email=marksmith@huntingtonbeach.com, c=US
Date: 2017.03.28 13:05:12 -0700

Date: 03-28 2017 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	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?	y	rumble plates are ready for deployment as needed, tire washer as 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?	y	soil stockpile or concrete rubble piles with wattle@toe of slope, covered, tackifier
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 road / off-site trucking of bulk soils
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, LNTP
(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 LNTP,
email=mark.smith@hbepl.com, c=US
Date: 2017.03.28 14:03:50 -0700

Date: 03-28 2017 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? 2-pieces of equip: 1) Hamm, vibrating steel wheel sheepfoot compactor , CARB#AP7H97 2) Case 750M Dozer, Carb# AA9A88	YES	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 LNTF,
email=marksmith@huntingtonbeach.com, c=US
Date: 2017.03.29 16:42:21 -0700

Date: 03-29 2017 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	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?	y	rumble plates are ready for deployment as needed, tire washer as 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?	y	soil stockpile or concrete rubble piles with wattle@toe of slope, covered, tackifier
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 road / off-site trucking of bulk soils
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, LNTP
(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 LNTP,
email=mark.smith@huntington.com, c=US
Date: 2017.03.29 14:40:59 -0700

Date: 03-29 2017 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? GSD subcontracted SAVALA Equipment PC 360 LC, CARB # LU6Y44	YES	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 LNTF,
email=marksmith@hbep.com, c=US
Date: 2017.03.31 08:07:21 -0700

Date: 03-30 2017 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	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?	y	rumble plates are ready for deployment as needed, tire washer as 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?	y	soil stockpile or concrete rubble piles with wattle@toe of slope, covered, tackifier
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 road / off-site trucking of bulk soils
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, LNTP
(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 LNTP,
email=mark.smith@huntingtonenergy.com, c=US
Date: 2017.03.30 07:51:07-0700

Date: 03-30 2017 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: Mark Smith Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTF,
email=marksmith@huntingtonbeach.com, c=US
Date: 2017.04.24 14:55:07-0700

Date: 03-31 2017 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	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?	y	rumble plates are ready for deployment as needed, tire washer as 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?	y	soil stockpile or concrete rubble piles with wattle@toe of slope, covered, tackifier
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 road / off-site trucking of bulk soils
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, LNTP
(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 LNTP,
email=mark.smith@hbepl.com, c=US
Date: 2017.04.14 10:44:07-0700

Date: 03-31 2017 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? GSD : rented, JLG 660SJ man lift boom	YES	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

Street sweeping was completed by Nationwide Environmental Services on March 24, 2017 between the hours of 11:19 AM and 5:01 AM. TYMCO Model 600 AIR CNG fueled sweeper completed the 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 AIR SCAQMD Certified SCAQMD Certified (Rule 1186-PM 10 & 1186.1 Alt. Fuel) CNG alternative fueled street sweepers.

Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

	<u>Event Type</u>	<u>Status</u>	<u>Heading</u>	<u>Location / Message</u>
VEHICLE NAME: 244				
3/24/2017				
11:19:35 PM	STOP	WF	5mph NE	21876 Newland St & Pacific Coast Hwy Huntington Beach CA 92646
11:20:09 PM	LOC	WF		21876 Newland St & Pacific Coast Hwy Huntington Beach CA 92646
11:20:45 PM	LOC	WF		21874 Newland St & Pacific Coast Hwy Huntington Beach CA 92646
11:21:22 PM	LOC	WF		21874 Newland St & Pacific Coast Hwy Huntington Beach CA 92646
11:21:58 PM	LOC	WF		21872 Newland St & Pacific Coast Hwy Huntington Beach CA 92646
11:22:28 PM	INB	WO		21872 Newland St & Pacific Coast Hwy Huntington Beach CA 92646 WATER ON
11:22:34 PM	LOC	WO		21872 Newland St & Pacific Coast Hwy Huntington Beach CA 92646
11:22:55 PM	INB	WF		21868 Newland St & Pacific Coast Hwy Huntington Beach CA 92646 WATER OFF
11:23:00 PM	INB	WO		21868 Newland St & Pacific Coast Hwy Huntington Beach CA 92646 WATER ON
11:23:10 PM	LOC	WO		21866 Newland St & Pacific Coast Hwy Huntington Beach CA 92646
11:23:46 PM	LOC	WO	5mph NE	21814 Newland St & Biscayne Dr Huntington Beach CA 92646
11:24:22 PM	LOC	WO	5mph NE	21772 Newland St & Biscayne Dr Huntington Beach CA 92646
11:24:58 PM	LOC	WO	4mph NE	21748 Newland St & Edison Dr Huntington Beach CA 92646
11:25:34 PM	LOC	WO	4mph NE	21706 Newland St & Edison Dr Huntington Beach CA 92646
11:26:10 PM	LOC	WO	3mph NE	8560 Edison Dr & Newland St Huntington Beach CA 92646
11:26:46 PM	LOC	WO	3mph NE	8644 Edison Dr & Newland St Huntington Beach CA 92646
11:27:22 PM	LOC	WO		8680 Edison Dr & Newland St Huntington Beach CA 92646
11:27:58 PM	LOC	WO		8690 Edison Dr & Newland St Huntington Beach CA 92646



Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

Event Type Status Heading Location / Message

VEHICLE NAME: 244

3/24/2017

11:28:34 PM	LOC	WO	2mph NE	8698 Edison Dr & Newland St 92646	Huntington Beach CA
11:28:35 PM	INB	WF	1mph NE	8698 Edison Dr & Newland St 92646	Huntington Beach CA
				WATER OFF	
11:29:10 PM	LOC	WF	3mph NE	8698 Edison Dr & Newland St 92646	Huntington Beach CA
11:29:46 PM	LOC	WF		8687 Edison Dr & Newland St 92646	Huntington Beach CA
11:30:22 PM	LOC	WF	1mph NE	8699 Edison Dr & Newland St 92646	Huntington Beach CA
11:30:24 PM	INB	WO	1mph NE	8699 Edison Dr & Newland St 92646	Huntington Beach CA
				WATER ON	
11:30:58 PM	LOC	WO	6mph W	8659 Edison Dr & Newland St 92646	Huntington Beach CA
11:31:34 PM	LOC	WO	6mph W	8517 Edison Dr & Newland St 92646	Huntington Beach CA
11:31:37 PM	STOP	WF	5mph W	8513 Edison Dr & Newland St 92646	Huntington Beach CA
11:32:10 PM	LOC	WO	4mph W	21630 Newland St & Edison Dr 92646	Huntington Beach CA
11:32:36 PM	INB	WF		21590 Newland St & Edison Dr 92646	Huntington Beach CA
				WATER OFF	
11:32:46 PM	LOC	WF		21590 Newland St & Edison Dr 92646	Huntington Beach CA
11:33:22 PM	LOC	WF		21596 Newland St & Edison Dr 92646	Huntington Beach CA
11:33:58 PM	LOC	WF		21592 Newland St & Edison Dr 92646	Huntington Beach CA
11:34:34 PM	LOC	WF		21594 Newland St & Edison Dr 92646	Huntington Beach CA
11:35:10 PM	LOC	WF		21590 Newland St & Edison Dr 92646	Huntington Beach CA
11:35:40 PM	INB	WO		21590 Newland St & Edison Dr 92646	Huntington Beach CA
				WATER ON	



Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

Event Type Status Heading Location / Message

VEHICLE NAME: 244

3/24/2017

11:35:40 PM	STCH	WO	21590 Newland St & Edison Dr Huntington Beach CA 92646
11:35:46 PM	LOC	WO	21590 Newland St & Edison Dr Huntington Beach CA 92646
11:35:57 PM	INB	WF	21590 Newland St & Edison Dr Huntington Beach CA 92646 WATER OFF
11:36:22 PM	LOC	WF	21592 Newland St & Edison Dr Huntington Beach CA 92646
11:36:58 PM	LOC	WF	21590 Newland St & Edison Dr Huntington Beach CA 92646
11:37:34 PM	LOC	WF	21590 Newland St & Edison Dr Huntington Beach CA 92646
11:38:10 PM	LOC	WF	21592 Newland St & Edison Dr Huntington Beach CA 92646
11:38:46 PM	LOC	WF	21590 Newland St & Edison Dr Huntington Beach CA 92646
11:39:09 PM	INB	WO	21590 Newland St & Edison Dr Huntington Beach CA 92646 WATER ON
11:39:22 PM	LOC	WO	21590 Newland St & Edison Dr Huntington Beach CA 92646
11:39:58 PM	LOC	WO	21590 Newland St & Edison Dr Huntington Beach CA 92646
11:40:34 PM	LOC	WO	21590 Newland St & Edison Dr Huntington Beach CA 92646
11:41:10 PM	LOC	WO	21590 Newland St & Edison Dr Huntington Beach CA 92646
11:41:46 PM	LOC	WO	21590 Newland St & Edison Dr Huntington Beach CA 92646
11:42:22 PM	LOC	WO	21590 Newland St & Edison Dr Huntington Beach CA 92646
11:42:58 PM	LOC	WO	21590 Newland St & Edison Dr Huntington Beach CA 92646
11:43:34 PM	LOC	WO	21590 Newland St & Edison Dr Huntington Beach CA 92646
11:44:07 PM	INB	WF	21592 Newland St & Edison Dr Huntington Beach CA 92646 WATER OFF



Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

	<u>Event Type</u>	<u>Status</u>	<u>Heading</u>	<u>Location / Message</u>
VEHICLE NAME: 244				
3/24/2017				
11:44:10 PM	LOC	WF		21590 Newland St & Edison Dr Huntington Beach CA 92646
11:44:46 PM	LOC	WF		21590 Newland St & Edison Dr Huntington Beach CA 92646
11:44:56 PM	INB	WO		21590 Newland St & Edison Dr Huntington Beach CA 92646 WATER ON
11:44:56 PM	STCH	WO		21590 Newland St & Edison Dr Huntington Beach CA 92646
11:45:22 PM	LOC	WO		21590 Newland St & Edison Dr Huntington Beach CA 92646
11:45:28 PM	INB	WF		21590 Newland St & Edison Dr Huntington Beach CA 92646 WATER OFF
11:45:28 PM	STCH	WF		21590 Newland St & Edison Dr Huntington Beach CA 92646
11:45:58 PM	LOC	WF		21590 Newland St & Edison Dr Huntington Beach CA 92646
11:46:01 PM	INB	WO		21590 Newland St & Edison Dr Huntington Beach CA 92646 WATER ON
11:46:24 PM	INB	WF		21590 Newland St & Edison Dr Huntington Beach CA 92646 WATER OFF
11:46:34 PM	LOC	WF		21590 Newland St & Edison Dr Huntington Beach CA 92646
11:47:10 PM	LOC	WF		21590 Newland St & Edison Dr Huntington Beach CA 92646
11:47:46 PM	LOC	WF		21590 Newland St & Edison Dr Huntington Beach CA 92646
11:48:00 PM	INB	WO		21590 Newland St & Edison Dr Huntington Beach CA 92646 WATER ON
11:48:22 PM	LOC	WO		21590 Newland St & Edison Dr Huntington Beach CA 92646
11:48:34 PM	INB	WF		21590 Newland St & Edison Dr Huntington Beach CA 92646 WATER OFF



Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

	<u>Event Type</u>	<u>Status</u>	<u>Heading</u>	<u>Location / Message</u>
VEHICLE NAME: 244				
3/24/2017				
11:48:58 PM	LOC	WF		21590 Newland St & Edison Dr Huntington Beach CA 92646
11:48:59 PM	INB	WO		21590 Newland St & Edison Dr Huntington Beach CA 92646 WATER ON
11:49:12 PM	INB	WF		21590 Newland St & Edison Dr Huntington Beach CA 92646 WATER OFF
11:49:29 PM	INB	WO		21590 Newland St & Edison Dr Huntington Beach CA 92646 WATER ON
11:49:34 PM	LOC	WO		21590 Newland St & Edison Dr Huntington Beach CA 92646
11:49:53 PM	INB	WF		21590 Newland St & Edison Dr Huntington Beach CA 92646 WATER OFF
11:50:10 PM	LOC	WF		21590 Newland St & Edison Dr Huntington Beach CA 92646
11:50:46 PM	LOC	WF		21594 Newland St & Edison Dr Huntington Beach CA 92646
11:51:22 PM	LOC	WF		21600 Newland St & Edison Dr Huntington Beach CA 92646
11:51:58 PM	LOC	WF		21600 Newland St & Edison Dr Huntington Beach CA 92646
11:52:22 PM	INB	WO		21598 Newland St & Edison Dr Huntington Beach CA 92646 WATER ON
11:52:34 PM	LOC	WO		21596 Newland St & Edison Dr Huntington Beach CA 92646
11:52:41 PM	INB	WF		21594 Newland St & Edison Dr Huntington Beach CA 92646 WATER OFF
11:53:00 PM	INB	WO		21594 Newland St & Edison Dr Huntington Beach CA 92646 WATER ON
11:53:10 PM	LOC	WO		21594 Newland St & Edison Dr Huntington Beach CA 92646



Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

	<u>Event Type</u>	<u>Status</u>	<u>Heading</u>	<u>Location / Message</u>
VEHICLE NAME: 244				
3/24/2017				
11:53:31 PM	INB	WF		21592 Newland St & Edison Dr Huntington Beach CA 92646 WATER OFF
11:53:46 PM	LOC	WF		21590 Newland St & Edison Dr Huntington Beach CA 92646
11:54:01 PM	INB	WO		21590 Newland St & Edison Dr Huntington Beach CA 92646 WATER ON
11:54:19 PM	INB	WF		21596 Newland St & Edison Dr Huntington Beach CA 92646 WATER OFF
11:54:22 PM	LOC	WF		21596 Newland St & Edison Dr Huntington Beach CA 92646
11:54:33 PM	INB	WO		21596 Newland St & Edison Dr Huntington Beach CA 92646 WATER ON
11:54:58 PM	LOC	WO		21596 Newland St & Edison Dr Huntington Beach CA 92646
11:55:34 PM	LOC	WO		21596 Newland St & Edison Dr Huntington Beach CA 92646
11:55:52 PM	INB	WF		21594 Newland St & Edison Dr Huntington Beach CA 92646 WATER OFF
11:56:10 PM	LOC	WF		21596 Newland St & Edison Dr Huntington Beach CA 92646
11:56:46 PM	LOC	WF		21598 Newland St & Edison Dr Huntington Beach CA 92646
11:57:22 PM	LOC	WF		21596 Newland St & Edison Dr Huntington Beach CA 92646
11:57:50 PM	INB	WO		21596 Newland St & Edison Dr Huntington Beach CA 92646 WATER ON
11:57:58 PM	LOC	WO		21596 Newland St & Edison Dr Huntington Beach CA 92646
11:58:12 PM	INB	WF		21598 Newland St & Edison Dr Huntington Beach CA 92646 WATER OFF

Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

	<u>Event Type</u>	<u>Status</u>	<u>Heading</u>	<u>Location / Message</u>
VEHICLE NAME: 244				
3/24/2017				
11:58:34 PM	LOC	WF		21598 Newland St & Edison Dr Huntington Beach CA 92646
11:59:10 PM	LOC	WF		21590 Newland St & Edison Dr Huntington Beach CA 92646
11:59:46 PM	LOC	WF		21590 Newland St & Edison Dr Huntington Beach CA 92646
3/25/2017				
12:00:22 AM	LOC	WF		21590 Newland St & Edison Dr Huntington Beach CA 92646
12:00:58 AM	LOC	WF		21590 Newland St & Edison Dr Huntington Beach CA 92646
12:01:30 AM	INB	WO		21590 Newland St & Edison Dr Huntington Beach CA 92646
				WATER ON
12:01:34 AM	LOC	WO		21590 Newland St & Edison Dr Huntington Beach CA 92646
12:01:44 AM	INB	WF		21590 Newland St & Edison Dr Huntington Beach CA 92646
				WATER OFF
12:02:10 AM	LOC	WF		21590 Newland St & Edison Dr Huntington Beach CA 92646
12:02:46 AM	LOC	WF		21590 Newland St & Edison Dr Huntington Beach CA 92646
12:03:22 AM	LOC	WF		21590 Newland St & Edison Dr Huntington Beach CA 92646
12:03:58 AM	LOC	WF		21588 Newland St & Edison Dr Huntington Beach CA 92646
12:04:34 AM	LOC	WF		21588 Newland St & Edison Dr Huntington Beach CA 92646
12:05:10 AM	LOC	WF		21588 Newland St & Edison Dr Huntington Beach CA 92646
12:05:46 AM	LOC	WF		21588 Newland St & Edison Dr Huntington Beach CA 92646
12:06:22 AM	LOC	WF		21588 Newland St & Edison Dr Huntington Beach CA 92646
12:06:58 AM	LOC	WF		21590 Newland St & Edison Dr Huntington Beach CA 92646
12:06:59 AM	INB	WO		21590 Newland St & Edison Dr Huntington Beach CA 92646



Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

Event Type Status Heading Location / Message

VEHICLE NAME: 244

3/25/2017

WATER ON				
12:07:34 AM	LOC	WO		21590 Newland St & Edison Dr Huntington Beach CA 92646
12:07:46 AM	INB	WF	2mph W	21588 Newland St & Hamilton Ave Huntington Beach CA 92646
WATER OFF				
12:08:10 AM	LOC	WF	6mph W	21498 Newland St & Hamilton Ave Huntington Beach CA 92646
12:08:10 AM	STCH	WO	6mph W	21498 Newland St & Hamilton Ave Huntington Beach CA 92646
12:08:10 AM	INB	WO	6mph W	21498 Newland St & Hamilton Ave Huntington Beach CA 92646
WATER ON				
12:08:46 AM	LOC	WO	3mph S	21577 Newland St & Hamilton Ave Huntington Beach CA 92646
12:09:22 AM	LOC	WO	5mph S	21631 Newland St & Edison Dr Huntington Beach CA 92646
12:09:58 AM	LOC	WO	5mph S	21717 Newland St & Edison Dr Huntington Beach CA 92646
12:10:34 AM	LOC	WO	6mph S	21762 Newland St & Biscayne Dr Huntington Beach CA 92646
12:10:53 AM	STOP	WF	5mph SW	21791 Newland St & Biscayne Dr Huntington Beach CA 92646
12:11:09 AM	INB	WF	2mph SW	21801 Newland St & Biscayne Dr Huntington Beach CA 92646
WATER OFF				
12:11:10 AM	LOC	WO	2mph SW	21801 Newland St & Biscayne Dr Huntington Beach CA 92646
12:11:46 AM	LOC	WF		21801 Newland St & Biscayne Dr Huntington Beach CA 92646
12:12:22 AM	LOC	WF		21801 Newland St & Biscayne Dr Huntington Beach CA 92646
12:12:58 AM	LOC	WF		21801 Newland St & Biscayne Dr Huntington Beach CA 92646
12:13:18 AM	INB	WO		21801 Newland St & Biscayne Dr Huntington Beach CA 92646
WATER ON				
12:13:34 AM	LOC	WO	2mph SW	21809 Newland St & Biscayne Dr Huntington Beach CA 92646



Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

Event Type Status Heading Location / Message

VEHICLE NAME: 244

3/25/2017

12:14:10 AM	LOC	WO	6mph SW	21881 Newland St & Pacific Coast Hwy Huntington Beach CA 92646
12:14:23 AM	INB	WF	8mph NE	21872 Newland St & Pacific Coast Hwy Huntington Beach CA 92646 WATER OFF
12:14:28 AM	INB	WO	8mph NE	21860 Newland St & Pacific Coast Hwy Huntington Beach CA 92646 WATER ON
12:14:46 AM	LOC	WO	6mph NE	21824 Newland St & Biscayne Dr Huntington Beach CA 92646
12:15:04 AM	STOP	WF	5mph NE	21790 Newland St & Biscayne Dr Huntington Beach CA 92646
12:15:17 AM	INB	WF	3mph NE	21790 Newland St & Biscayne Dr Huntington Beach CA 92646 WATER OFF
12:15:22 AM	LOC	WF	1mph NE	21790 Newland St & Biscayne Dr Huntington Beach CA 92646
12:15:58 AM	LOC	WF		21790 Newland St & Biscayne Dr Huntington Beach CA 92646
12:16:34 AM	LOC	WF		21790 Newland St & Biscayne Dr Huntington Beach CA 92646
12:17:10 AM	LOC	WF		21790 Newland St & Biscayne Dr Huntington Beach CA 92646
12:17:32 AM	INB	WO		21790 Newland St & Biscayne Dr Huntington Beach CA 92646 WATER ON
12:17:46 AM	LOC	WO	2mph NE	21790 Newland St & Biscayne Dr Huntington Beach CA 92646
12:18:22 AM	LOC	WO		21796 Newland St & Biscayne Dr Huntington Beach CA 92646
12:18:58 AM	LOC	WO	1mph NE	21800 Newland St & Biscayne Dr Huntington Beach CA 92646
12:19:34 AM	LOC	WO	3mph NE	21848 Newland St & Biscayne Dr Huntington Beach CA 92646
12:19:55 AM	INB	WF	4mph NE	21912 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646 WATER OFF
12:20:10 AM	LOC	WF		21912 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646

Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

Event Type Status Heading Location / Message

VEHICLE NAME: 244

3/25/2017

12:20:46 AM	LOC	WF		21914 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
12:21:22 AM	LOC	WF		21914 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
12:21:58 AM	LOC	WF		21914 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
12:22:08 AM	INB	WO		21914 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
				WATER ON
12:22:34 AM	LOC	WO	3mph NE	21918 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
12:23:10 AM	LOC	WO	4mph NE	21926 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
12:23:46 AM	LOC	WO	5mph NE	21936 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
12:24:22 AM	LOC	WO	4mph NE	21936 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
12:24:58 AM	LOC	WO		21944 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
12:25:34 AM	LOC	WO	3mph NE	21936 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
12:26:10 AM	LOC	WO	1mph NE	21936 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
12:26:46 AM	LOC	WO	1mph NE	21942 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
12:27:22 AM	LOC	WO	3mph NE	21934 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
12:27:58 AM	LOC	WO	4mph NE	21930 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
12:28:34 AM	LOC	WO	3mph NE	21934 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
12:29:10 AM	LOC	WO	3mph NE	21934 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
12:29:46 AM	LOC	WO	2mph NE	21934 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
12:30:22 AM	LOC	WO	3mph NE	21934 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
12:30:58 AM	LOC	WO	4mph NE	21932 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646



Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

Event Type Status Heading Location / Message

VEHICLE NAME: 244

3/25/2017

12:31:34 AM	LOC	WO	4mph NE	21930 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
12:32:10 AM	LOC	WO	5mph NE	21928 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
12:32:46 AM	LOC	WO	5mph NE	21930 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
12:33:22 AM	LOC	WO	4mph NE	21776 Newland St & Biscayne Dr Huntington Beach CA 92646
12:33:58 AM	LOC	WO	4mph NE	21776 Newland St & Biscayne Dr Huntington Beach CA 92646
12:34:34 AM	LOC	WO	5mph NE	21796 Newland St & Biscayne Dr Huntington Beach CA 92646
12:35:10 AM	LOC	WO	5mph NE	21784 Newland St & Biscayne Dr Huntington Beach CA 92646
12:35:46 AM	LOC	WO	5mph NE	21776 Newland St & Biscayne Dr Huntington Beach CA 92646
12:35:55 AM	STOP	WO	5mph NW	21776 Newland St & Biscayne Dr Huntington Beach CA 92646
12:36:22 AM	LOC	WO	1mph NW	21768 Newland St & Biscayne Dr Huntington Beach CA 92646
12:36:58 AM	LOC	WO	3mph NW	21762 Newland St & Biscayne Dr Huntington Beach CA 92646
12:37:34 AM	LOC	WO	4mph NW	21766 Newland St & Biscayne Dr Huntington Beach CA 92646
12:38:10 AM	LOC	WO	4mph NW	21776 Newland St & Biscayne Dr Huntington Beach CA 92646
12:38:46 AM	LOC	WO	4mph NW	21784 Newland St & Biscayne Dr Huntington Beach CA 92646
12:39:22 AM	LOC	WO	6mph NW	21772 Newland St & Biscayne Dr Huntington Beach CA 92646
12:39:58 AM	LOC	WO	6mph SE	21784 Newland St & Biscayne Dr Huntington Beach CA 92646
12:40:34 AM	LOC	WO	3mph NW	21778 Newland St & Biscayne Dr Huntington Beach CA 92646
12:41:10 AM	LOC	WO	5mph S	21784 Newland St & Biscayne Dr Huntington Beach CA 92646
12:41:46 AM	LOC	WO	2mph W	21784 Newland St & Biscayne Dr Huntington Beach CA 92646
12:42:22 AM	LOC	WO	6mph SE	21796 Newland St & Biscayne Dr Huntington Beach CA 92646



Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

	<u>Event Type</u>	<u>Status</u>	<u>Heading</u>	<u>Location / Message</u>
VEHICLE NAME: 244				
3/25/2017				
12:42:27 AM	STOP	WO	5mph E	21790 Newland St & Biscayne Dr Huntington Beach CA 92646
12:42:58 AM	LOC	WO	4mph E	21796 Newland St & Biscayne Dr Huntington Beach CA 92646
12:43:34 AM	LOC	WO	5mph E	21922 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
12:44:10 AM	LOC	WO	4mph E	21922 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
12:44:46 AM	LOC	WO	5mph E	21796 Newland St & Biscayne Dr Huntington Beach CA 92646
12:45:22 AM	LOC	WO	6mph SE	21784 Newland St & Biscayne Dr Huntington Beach CA 92646
12:45:58 AM	LOC	WO	8mph SE	21776 Newland St & Biscayne Dr Huntington Beach CA 92646
12:46:34 AM	LOC	WO	8mph NW	21784 Newland St & Biscayne Dr Huntington Beach CA 92646
12:47:10 AM	LOC	WO	3mph S	21796 Newland St & Biscayne Dr Huntington Beach CA 92646
12:47:46 AM	LOC	WO	6mph NW	21796 Newland St & Biscayne Dr Huntington Beach CA 92646
12:48:22 AM	LOC	WO	5mph SE	21930 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
12:48:58 AM	LOC	WO	5mph SE	21934 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
12:49:34 AM	LOC	WO	4mph S	21928 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
12:50:10 AM	LOC	WO	4mph NW	21914 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
12:50:46 AM	LOC	WO	4mph NW	21816 Newland St & Biscayne Dr Huntington Beach CA 92646
12:51:22 AM	LOC	WO	5mph NW	21784 Newland St & Biscayne Dr Huntington Beach CA 92646
12:51:58 AM	LOC	WO	8mph SW	21834 Newland St & Biscayne Dr Huntington Beach CA 92646
12:52:34 AM	LOC	WO	3mph SE	21912 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
12:53:10 AM	LOC	WO	5mph S	21912 Pacific Coast Hwy/Pacific Cst Hwy-California s Rte 1/CA-1 Huntington Beach CA 92646
12:53:46 AM	LOC	WO	4mph NW	21828 Newland St & Biscayne Dr Huntington Beach CA 92646

Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

	<u>Event Type</u>	<u>Status</u>	<u>Heading</u>	<u>Location / Message</u>
VEHICLE NAME: 244				
3/25/2017				
12:54:22 AM	LOC	WO	4mph NW	21796 Newland St & Biscayne Dr Huntington Beach CA 92646
12:54:58 AM	LOC	WO	5mph S	21852 Newland St & Pacific Coast Hwy Huntington Beach CA 92646
12:55:34 AM	LOC	WO	5mph N	21824 Newland St & Biscayne Dr Huntington Beach CA 92646
12:56:10 AM	LOC	WO	6mph SE	21790 Newland St & Biscayne Dr Huntington Beach CA 92646
12:56:46 AM	LOC	WO	4mph SE	21790 Newland St & Biscayne Dr Huntington Beach CA 92646
12:57:22 AM	LOC	WO	4mph NW	21790 Newland St & Biscayne Dr Huntington Beach CA 92646
12:57:39 AM	INB	WF	3mph NW	21790 Newland St & Biscayne Dr Huntington Beach CA 92646 WATER OFF
12:57:58 AM	LOC	WF		21790 Newland St & Biscayne Dr Huntington Beach CA 92646
12:58:07 AM	INB	WO	1mph NW	21790 Newland St & Biscayne Dr Huntington Beach CA 92646 WATER ON
12:58:34 AM	LOC	WO	3mph NW	21790 Newland St & Biscayne Dr Huntington Beach CA 92646
12:58:43 AM	INB	WF	9mph N	21772 Newland St & Biscayne Dr Huntington Beach CA 92646 WATER OFF
12:59:10 AM	LOC	WF	21mph N	21632 Newland St & Edison Dr Huntington Beach CA 92646
12:59:25 AM	INB	WO	9mph N	21582 Newland St & Hamilton Ave Huntington Beach CA 92646 WATER ON
12:59:42 AM	INB	WF	5mph N	21538 Newland St & Hamilton Ave Huntington Beach CA 92646 WATER OFF
12:59:46 AM	LOC	WF	5mph N	21526 Newland St & Hamilton Ave Huntington Beach CA 92646
1:00:09 AM	INB	WO	8mph E	8530 Hamilton Ave & Newland St Huntington Beach CA 92646 WATER ON



Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

Event Type Status Heading Location / Message

VEHICLE NAME: 244

3/25/2017

1:00:22 AM	LOC	WO	6mph E	8564 Hamilton Ave & Seaforth Ln CA 92646	Huntington Beach
1:00:58 AM	LOC	WO	4mph E	8626 Hamilton Ave & Seaforth Ln CA 92646	Huntington Beach
1:01:16 AM	STOP	WF	5mph E	8670 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:01:20 AM	INB	WF	3mph E	8674 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
				WATER OFF	
1:01:34 AM	LOC	WF		8676 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:02:10 AM	LOC	WF		8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:02:46 AM	LOC	WF		8680 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:03:22 AM	LOC	WF		8680 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:03:58 AM	LOC	WF		8680 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:04:34 AM	LOC	WF		8680 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:05:10 AM	LOC	WF		8680 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:05:46 AM	LOC	WF		8680 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:06:22 AM	LOC	WF		8682 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:06:58 AM	LOC	WF		8680 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:07:34 AM	LOC	WF		8680 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:08:10 AM	LOC	WF		8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:08:46 AM	LOC	WF		8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:09:22 AM	LOC	WF		8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:09:58 AM	LOC	WF		8680 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach



Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

Event Type Status Heading Location / Message

VEHICLE NAME: 244

3/25/2017

1:10:34 AM	LOC	WF	8680 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:11:11 AM	LOC	WF	8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:11:47 AM	LOC	WF	8680 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:12:23 AM	LOC	WF	8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:12:59 AM	LOC	WF	8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:13:35 AM	LOC	WF	8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:14:11 AM	LOC	WF	8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:14:47 AM	LOC	WF	8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:15:23 AM	LOC	WF	8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:15:59 AM	LOC	WF	8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:16:35 AM	LOC	WF	8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:17:11 AM	LOC	WF	8680 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:17:47 AM	LOC	WF	8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:18:23 AM	LOC	WF	8680 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:18:59 AM	LOC	WF	8680 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:19:35 AM	LOC	WF	8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:20:11 AM	LOC	WF	8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:20:47 AM	LOC	WF	8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:21:23 AM	LOC	WF	8676 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:21:59 AM	LOC	WF	8676 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach



Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

Event Type Status Heading Location / Message

VEHICLE NAME: 244

3/25/2017

1:22:35 AM	LOC	WF	8676 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:23:11 AM	LOC	WF	8676 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:23:47 AM	LOC	WF	8676 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:24:23 AM	LOC	WF	8676 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:24:59 AM	LOC	WF	8676 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:25:35 AM	LOC	WF	8676 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:26:11 AM	LOC	WF	8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:26:47 AM	LOC	WF	8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:27:23 AM	LOC	WF	8676 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:27:59 AM	LOC	WF	8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:28:35 AM	LOC	WF	8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:29:11 AM	LOC	WF	8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:29:47 AM	LOC	WF	8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:30:23 AM	LOC	WF	8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:30:59 AM	LOC	WF	8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:31:35 AM	LOC	WF	8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:32:11 AM	LOC	WF	8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:32:47 AM	LOC	WF	8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:33:23 AM	LOC	WF	8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach
1:33:59 AM	LOC	WF	8678 Hamilton Ave & Surveyor Cir CA 92646	Huntington Beach



Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

	<u>Event Type</u>	<u>Status</u>	<u>Heading</u>	<u>Location / Message</u>
VEHICLE NAME: 244				
3/25/2017				
1:34:15 AM	INB	WO		8678 Hamilton Ave & Surveyor Cir Huntington Beach CA 92646 WATER ON
1:34:35 AM	LOC	WO	2mph E	8690 Hamilton Ave & Surveyor Cir Huntington Beach CA 92646
1:35:11 AM	LOC	WO	5mph E	8699 Hamilton Ave & Surveyor Cir Huntington Beach CA 92646
1:35:47 AM	LOC	WO	4mph E	8699 Hamilton Ave & Surveyor Cir Huntington Beach CA 92646
1:36:23 AM	LOC	WO	4mph E	8699 Hamilton Ave & Magnolia St Huntington Beach CA 92646
1:36:59 AM	LOC	WO	3mph E	8699 Hamilton Ave & Magnolia St Huntington Beach CA 92646
1:37:35 AM	LOC	WO	5mph E	8699 Hamilton Ave & Magnolia St Huntington Beach CA 92646
1:38:07 AM	STOP	WO	5mph E	Hamilton Ave & Magnolia St Huntington Beach CA 92646
1:38:11 AM	LOC	WO	4mph E	Hamilton Ave & Magnolia St Huntington Beach CA 92646
1:38:47 AM	LOC	WO		Hamilton Ave & Polynesian Ln Huntington Beach CA 92646
1:39:23 AM	LOC	WO	5mph E	Hamilton Ave & Polynesian Ln Huntington Beach CA 92646
1:39:59 AM	LOC	WO	3mph E	Hamilton Ave & Polynesian Ln Huntington Beach CA 92646
1:40:35 AM	LOC	WO	4mph E	Hamilton Ave & Polynesian Ln Huntington Beach CA 92646
1:40:57 AM	INB	WF	3mph E	Hamilton Ave & Lehua Ln Huntington Beach CA 92646 WATER OFF
1:41:11 AM	LOC	WF		Hamilton Ave & Lehua Ln Huntington Beach CA 92646
1:41:47 AM	LOC	WF		Hamilton Ave & Lehua Ln Huntington Beach CA 92646
1:42:01 AM	INB	WO		Hamilton Ave & Lehua Ln Huntington Beach CA 92646 WATER ON
1:42:23 AM	LOC	WO	2mph E	Hamilton Ave & Lehua Ln Huntington Beach CA 92646



Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

Event Type Status Heading Location / Message

VEHICLE NAME: 244

3/25/2017

1:42:59 AM	LOC	WO	1mph E	Hamilton Ave & Lehua Ln Huntington Beach CA 92646
1:43:35 AM	LOC	WO	2mph E	Hamilton Ave & Lehua Ln Huntington Beach CA 92646
1:44:11 AM	LOC	WO	4mph E	Lehua Ln & Hamilton Ave Huntington Beach CA 92646
1:44:47 AM	LOC	WO	3mph E	Hamilton Ave & Lehua Ln Huntington Beach CA 92646
1:45:23 AM	LOC	WO	2mph E	Hamilton Ave & Bushard St Huntington Beach CA 92646
1:45:59 AM	LOC	WO	5mph E	9508 Hamilton Ave & Bushard St Huntington Beach CA 92646
1:46:35 AM	LOC	WO	2mph E	9556 Hamilton Ave & Spyglass Ln Huntington Beach CA 92646
1:47:11 AM	LOC	WO	3mph E	9600 Hamilton Ave & Spyglass Ln Huntington Beach CA 92646
1:47:47 AM	LOC	WO	6mph E	9668 Hamilton Ave & Via Straits Ln Huntington Beach CA 92646
1:48:23 AM	LOC	WO	4mph E	9698 Hamilton Ave & Via Straits Ln Huntington Beach CA 92646
1:48:59 AM	LOC	WO	4mph E	21504 St John Ln/Saint John Ln Huntington Beach CA 92646
1:49:35 AM	LOC	WO	4mph E	9828 Hamilton Ave & St John Ln Huntington Beach CA 92646
1:49:38 AM	INB	WF	5mph E	9832 Hamilton Ave & St John Ln Huntington Beach CA 92646 WATER OFF
1:49:51 AM	INB	WO	8mph E	9850 Hamilton Ave & St John Ln Huntington Beach CA 92646 WATER ON
1:50:11 AM	LOC	WO	5mph E	9910 Hamilton Ave & Brookhurst St Huntington Beach CA 92646
1:50:47 AM	LOC	WO	3mph E	9978 Hamilton Ave & Brookhurst St Huntington Beach CA 92646
1:51:08 AM	INB	WF	3mph E	21505 Brookhurst St & Hamilton Ave Huntington Beach CA 92646 WATER OFF
1:51:23 AM	LOC	WF	3mph E	21527 Brookhurst St & Hamilton Ave Huntington Beach CA 92646



Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

	<u>Event Type</u>	<u>Status</u>	<u>Heading</u>	<u>Location / Message</u>
VEHICLE NAME: 244				
3/25/2017				
1:51:59 AM	LOC	WF	5mph N	21512 Brookhurst St & Hamilton Ave Huntington Beach CA 92646
1:52:09 AM	INB	WO	5mph N	Hamilton Ave & Brookhurst St Huntington Beach CA 92646
WATER ON				
1:52:09 AM	STCH	WO	5mph N	Hamilton Ave & Brookhurst St Huntington Beach CA 92646
1:52:17 AM	STOP	WO	5mph N	21486 Brookhurst St & Hamilton Ave Huntington Beach CA 92646
1:52:35 AM	LOC	WO	4mph N	21456 Brookhurst St & Hamilton Ave Huntington Beach CA 92646
1:53:11 AM	LOC	WO	3mph N	21402 Brookhurst St & Villa Pacific Dr Huntington Beach CA 92646
1:53:47 AM	LOC	WO	3mph N	21352 Brookhurst St & Villa Pacific Dr Huntington Beach CA 92646
1:54:23 AM	LOC	WO	3mph N	21314 Brookhurst St & Villa Pacific Dr Huntington Beach CA 92646
1:54:59 AM	LOC	WO	4mph N	21300 Brookhurst St & Effingham Dr Huntington Beach CA 92646
1:55:35 AM	LOC	WO	5mph N	21196 Brookhurst St & Effingham Dr Huntington Beach CA 92646
1:56:11 AM	LOC	WO	3mph N	21166 Brookhurst St & Spar Cir Huntington Beach CA 92646
1:56:47 AM	LOC	WO	4mph N	21102 Brookhurst St & Dana Dr Huntington Beach CA 92646
1:57:23 AM	LOC	WO	4mph N	21036 Brookhurst St & Atlanta Ave Huntington Beach CA 92646
1:57:49 AM	STOP	WO	5mph N	20992 Brookhurst St & Atlanta Ave Huntington Beach CA 92646
1:57:59 AM	LOC	WO	4mph N	20964 Brookhurst St & Atlanta Ave Huntington Beach CA 92646
1:58:35 AM	LOC	WO	3mph N	20870 Brookhurst St & Endeavor Ln Huntington Beach CA 92646
1:59:11 AM	LOC	WO	2mph N	20802 Brookhurst St & Endeavor Ln Huntington Beach CA 92646
1:59:47 AM	LOC	WO	3mph N	20800 Brookhurst St & Endeavor Ln Huntington Beach CA 92646
2:00:23 AM	LOC	WO		20800 Brookhurst St & Cliff Dr Huntington Beach CA 92646

Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

Event Type Status Heading Location / Message

VEHICLE NAME: 244

3/25/2017

2:00:45 AM	INB	WF	2mph N	20800 Brookhurst St & Cliff Dr Huntington Beach CA 92646 WATER OFF
2:00:59 AM	LOC	WF	3mph N	20800 Brookhurst St & Cliff Dr Huntington Beach CA 92646
2:01:35 AM	LOC	WF	3mph N	20800 Brookhurst St & Cliff Dr Huntington Beach CA 92646
2:02:11 AM	LOC	WF	1mph N	20800 Brookhurst St & Cliff Dr Huntington Beach CA 92646
2:02:47 AM	LOC	WF		20800 Brookhurst St & Cliff Dr Huntington Beach CA 92646
2:03:23 AM	LOC	WF		20800 Brookhurst St & Cliff Dr Huntington Beach CA 92646
2:03:59 AM	LOC	WF		20800 Brookhurst St & Cliff Dr Huntington Beach CA 92646
2:04:35 AM	LOC	WF		20800 Brookhurst St & Cliff Dr Huntington Beach CA 92646
2:05:11 AM	LOC	WF		20800 Brookhurst St & Cliff Dr Huntington Beach CA 92646
2:05:47 AM	LOC	WF		20800 Brookhurst St & Cliff Dr Huntington Beach CA 92646
2:05:57 AM	INB	WO		20800 Brookhurst St & Cliff Dr Huntington Beach CA 92646 WATER ON
2:06:23 AM	LOC	WO		20800 Brookhurst St & Cliff Dr Huntington Beach CA 92646
2:06:51 AM	INB	WF		20800 Brookhurst St & Cliff Dr Huntington Beach CA 92646 WATER OFF
2:06:59 AM	LOC	WF		20800 Brookhurst St & Cliff Dr Huntington Beach CA 92646
2:07:35 AM	LOC	WF		20800 Brookhurst St & Cliff Dr Huntington Beach CA 92646
2:07:50 AM	INB	WO		20800 Brookhurst St & Cliff Dr Huntington Beach CA 92646 WATER ON
2:08:11 AM	LOC	WO		20800 Brookhurst St & Cliff Dr Huntington Beach CA 92646



Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

	<u>Event Type</u>	<u>Status</u>	<u>Heading</u>	<u>Location / Message</u>
VEHICLE NAME: 244				
3/25/2017				
2:08:47 AM	LOC	WO		20800 Brookhurst St & Cliff Dr Huntington Beach CA 92646
2:09:23 AM	LOC	WO		20800 Brookhurst St & Cliff Dr Huntington Beach CA 92646
2:09:59 AM	LOC	WO		20800 Brookhurst St & Cliff Dr Huntington Beach CA 92646
2:10:35 AM	LOC	WO		20800 Brookhurst St & Cliff Dr Huntington Beach CA 92646
2:11:08 AM	INB	WF		20800 Brookhurst St & Cliff Dr Huntington Beach CA 92646
				WATER OFF
2:11:11 AM	LOC	WF		20800 Brookhurst St & Cliff Dr Huntington Beach CA 92646
2:11:33 AM	INB	WO		20800 Brookhurst St & Cliff Dr Huntington Beach CA 92646
				WATER ON
2:11:47 AM	LOC	WO		20800 Brookhurst St & Cliff Dr Huntington Beach CA 92646
2:12:23 AM	LOC	WO		20800 Brookhurst St & Cliff Dr Huntington Beach CA 92646
2:12:59 AM	LOC	WO	4mph N	20800 Brookhurst St & Spinnaker Dr Huntington Beach CA 92646
2:13:35 AM	LOC	WO		20800 Brookhurst St & Spinnaker Dr Huntington Beach CA 92646
2:14:11 AM	LOC	WO	2mph N	20198 Brookhurst St & Spinnaker Dr Huntington Beach CA 92646
2:14:47 AM	LOC	WO	4mph N	Hercules Dr & Brookhurst St Huntington Beach CA 92646
2:15:23 AM	LOC	WO	4mph N	20198 Brookhurst St & Indianapolis Ave Huntington Beach CA 92646
2:15:59 AM	LOC	WO	4mph N	20198 Brookhurst St & Crailet Dr Huntington Beach CA 92646
2:16:24 AM	STOP	WO	5mph N	20198 Brookhurst St & Crailet Dr Huntington Beach CA 92646
2:16:35 AM	LOC	WO	4mph N	20198 Brookhurst St & Birchwood Dr Huntington Beach CA 92646
2:17:11 AM	LOC	WO	4mph N	Brookhurst St & Stonybrook Dr Huntington Beach CA 92646
2:17:47 AM	LOC	WO	4mph N	Brookhurst St & Jon Day Dr Huntington Beach CA 92646



Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

Event Type Status Heading Location / Message

VEHICLE NAME: 244

3/25/2017

2:18:23 AM	LOC	WO	5mph N	10000 Meredith Dr & Brookhurst St CA 92646	Huntington Beach
2:18:31 AM	STOP	WF	5mph N	20188 Brookhurst St & Meredith Dr CA 92646	Huntington Beach
2:18:49 AM	INB	WF	3mph N	20160 Brookhurst St & Meredith Dr CA 92646	Huntington Beach
				WATER OFF	
2:18:59 AM	LOC	WF		20160 Brookhurst St & Meredith Dr CA 92646	Huntington Beach
2:19:35 AM	LOC	WF		20156 Brookhurst St & Meredith Dr CA 92646	Huntington Beach
2:19:57 AM	INB	WO		20156 Brookhurst St & Meredith Dr CA 92646	Huntington Beach
				WATER ON	
2:19:57 AM	STCH	WO		20156 Brookhurst St & Meredith Dr CA 92646	Huntington Beach
2:20:11 AM	LOC	WO		Brookhurst St & Meredith Dr CA 92646	Huntington Beach
2:20:20 AM	INB	WF		Brookhurst St & Meredith Dr CA 92646	Huntington Beach
				WATER OFF	
2:20:47 AM	LOC	WF		Brookhurst St & Meredith Dr CA 92646	Huntington Beach
2:21:23 AM	LOC	WF		Brookhurst St & Meredith Dr CA 92646	Huntington Beach
2:21:27 AM	INB	WO		Brookhurst St & Meredith Dr CA 92646	Huntington Beach
				WATER ON	
2:22:00 AM	LOC	WO		Brookhurst St & Meredith Dr CA 92646	Huntington Beach
2:22:36 AM	LOC	WO	6mph N	20116 Brookhurst St & Meredith Dr CA 92646	Huntington Beach
2:23:12 AM	LOC	WO	5mph N	20060 Brookhurst St & Adams Ave CA 92646	Huntington Beach
2:23:43 AM	INB	WF	5mph N	20000 Brookhurst St & Adams Ave CA 92646	Huntington Beach
				WATER OFF	
2:23:49 AM	LOC	WF	5mph N	10001 Adams Ave & Brookhurst St CA 92646	Huntington Beach



Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

Event Type Status Heading Location / Message

VEHICLE NAME: 244

3/25/2017

2:24:25 AM	LOC	WF	12mph S	19941 Brookhurst St & Adams Ave CA 92646	Huntington Beach
2:24:35 AM	INB	WO	11mph S	19983 Brookhurst St & Adams Ave CA 92646	Huntington Beach
				WATER ON	
2:25:01 AM	LOC	WO	4mph S	9961 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:25:12 AM	INB	WF	2mph S	9949 Adams Ave & Brookhurst St CA 92646	Huntington Beach
				WATER OFF	
2:25:37 AM	LOC	WF	3mph S	9939 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:25:55 AM	STOP	WF	5mph NE	9941 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:26:13 AM	LOC	WF		9941 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:26:49 AM	LOC	WF		9941 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:27:25 AM	LOC	WF		9941 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:28:02 AM	LOC	WF		9941 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:28:38 AM	LOC	WF		9943 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:29:14 AM	LOC	WF		9943 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:29:50 AM	LOC	WF		9943 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:30:26 AM	LOC	WF		9943 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:31:02 AM	LOC	WF		9943 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:31:38 AM	LOC	WF		9943 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:32:14 AM	LOC	WF		9943 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:32:50 AM	LOC	WF		9943 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:33:26 AM	LOC	WF		9941 Adams Ave & Brookhurst St CA 92646	Huntington Beach



Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

Event Type Status Heading Location / Message

VEHICLE NAME: 244

3/25/2017

2:34:02 AM	LOC	WF	9943 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:34:38 AM	LOC	WF	9941 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:35:14 AM	LOC	WF	9941 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:35:50 AM	LOC	WF	9941 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:36:26 AM	LOC	WF	9941 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:37:02 AM	LOC	WF	9941 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:37:38 AM	LOC	WF	9941 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:38:14 AM	LOC	WF	9943 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:38:50 AM	LOC	WF	9941 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:39:26 AM	LOC	WF	9939 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:40:02 AM	LOC	WF	9941 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:40:38 AM	LOC	WF	9941 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:41:14 AM	LOC	WF	9943 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:41:50 AM	LOC	WF	9943 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:42:26 AM	LOC	WF	9943 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:43:02 AM	LOC	WF	9943 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:43:38 AM	LOC	WF	9941 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:44:14 AM	LOC	WF	9941 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:44:50 AM	LOC	WF	9943 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:45:26 AM	LOC	WF	9943 Adams Ave & Brookhurst St CA 92646	Huntington Beach

Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

	<u>Event Type</u>	<u>Status</u>	<u>Heading</u>	<u>Location / Message</u>
VEHICLE NAME: 244				
3/25/2017				
2:46:02 AM	LOC	WF		9945 Adams Ave & Brookhurst St Huntington Beach CA 92646
2:46:38 AM	LOC	WF		9943 Adams Ave & Brookhurst St Huntington Beach CA 92646
2:47:14 AM	LOC	WF		9943 Adams Ave & Brookhurst St Huntington Beach CA 92646
2:47:50 AM	LOC	WF		9943 Adams Ave & Brookhurst St Huntington Beach CA 92646
2:48:26 AM	LOC	WF		9945 Adams Ave & Brookhurst St Huntington Beach CA 92646
2:49:02 AM	LOC	WF		9945 Adams Ave & Brookhurst St Huntington Beach CA 92646
2:49:38 AM	LOC	WF		9945 Adams Ave & Brookhurst St Huntington Beach CA 92646
2:50:14 AM	LOC	WF		9943 Adams Ave & Brookhurst St Huntington Beach CA 92646
2:50:50 AM	LOC	WF		9943 Adams Ave & Brookhurst St Huntington Beach CA 92646
2:51:26 AM	LOC	WF		9943 Adams Ave & Brookhurst St Huntington Beach CA 92646
2:52:02 AM	LOC	WF		9945 Adams Ave & Brookhurst St Huntington Beach CA 92646
2:52:38 AM	LOC	WF		9945 Adams Ave & Brookhurst St Huntington Beach CA 92646
2:53:14 AM	LOC	WF		9945 Adams Ave & Brookhurst St Huntington Beach CA 92646
2:53:50 AM	LOC	WF		9945 Adams Ave & Brookhurst St Huntington Beach CA 92646
2:54:26 AM	LOC	WF		9943 Adams Ave & Brookhurst St Huntington Beach CA 92646
2:55:02 AM	LOC	WF		9943 Adams Ave & Brookhurst St Huntington Beach CA 92646
2:55:38 AM	LOC	WF		9943 Adams Ave & Brookhurst St Huntington Beach CA 92646
2:56:14 AM	LOC	WF		9943 Adams Ave & Brookhurst St Huntington Beach CA 92646
2:56:50 AM	LOC	WF		9943 Adams Ave & Brookhurst St Huntington Beach CA 92646
2:57:26 AM	LOC	WF		9941 Adams Ave & Brookhurst St Huntington Beach CA 92646



Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

Event Type Status Heading Location / Message

VEHICLE NAME: 244

3/25/2017

2:58:02 AM	LOC	WF	9941 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:58:38 AM	LOC	WF	9943 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:59:14 AM	LOC	WF	9941 Adams Ave & Brookhurst St CA 92646	Huntington Beach
2:59:50 AM	LOC	WF	9941 Adams Ave & Brookhurst St CA 92646	Huntington Beach
3:00:26 AM	LOC	WF	9941 Adams Ave & Brookhurst St CA 92646	Huntington Beach
3:01:02 AM	LOC	WF	9941 Adams Ave & Brookhurst St CA 92646	Huntington Beach
3:01:38 AM	LOC	WF	9941 Adams Ave & Brookhurst St CA 92646	Huntington Beach
3:02:14 AM	LOC	WF	9941 Adams Ave & Brookhurst St CA 92646	Huntington Beach
3:02:50 AM	LOC	WF	9941 Adams Ave & Brookhurst St CA 92646	Huntington Beach
3:03:26 AM	LOC	WF	9941 Adams Ave & Brookhurst St CA 92646	Huntington Beach
3:04:02 AM	LOC	WF	9943 Adams Ave & Brookhurst St CA 92646	Huntington Beach
3:04:38 AM	LOC	WF	9943 Adams Ave & Brookhurst St CA 92646	Huntington Beach
3:05:14 AM	LOC	WF	9941 Adams Ave & Brookhurst St CA 92646	Huntington Beach
3:05:50 AM	LOC	WF	9943 Adams Ave & Brookhurst St CA 92646	Huntington Beach
3:06:26 AM	LOC	WF	9943 Adams Ave & Brookhurst St CA 92646	Huntington Beach
3:07:02 AM	LOC	WF	9945 Adams Ave & Brookhurst St CA 92646	Huntington Beach
3:07:38 AM	LOC	WF	9945 Adams Ave & Brookhurst St CA 92646	Huntington Beach
3:08:14 AM	LOC	WF	9945 Adams Ave & Brookhurst St CA 92646	Huntington Beach
3:08:50 AM	LOC	WF	9943 Adams Ave & Brookhurst St CA 92646	Huntington Beach
3:09:26 AM	LOC	WF	9943 Adams Ave & Brookhurst St CA 92646	Huntington Beach



Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

Event Type Status Heading Location / Message

VEHICLE NAME: 244

3/25/2017

3:10:02 AM	LOC	WF		9943 Adams Ave & Brookhurst St CA 92646	Huntington Beach
3:10:38 AM	LOC	WF		9943 Adams Ave & Brookhurst St CA 92646	Huntington Beach
3:11:14 AM	LOC	WF		9943 Adams Ave & Brookhurst St CA 92646	Huntington Beach
3:11:50 AM	LOC	WF		9945 Adams Ave & Brookhurst St CA 92646	Huntington Beach
3:12:26 AM	LOC	WF		9945 Adams Ave & Brookhurst St CA 92646	Huntington Beach
3:13:02 AM	LOC	WF		9945 Adams Ave & Brookhurst St CA 92646	Huntington Beach
3:13:38 AM	LOC	WF		9945 Adams Ave & Brookhurst St CA 92646	Huntington Beach
3:14:14 AM	LOC	WF		9945 Adams Ave & Brookhurst St CA 92646	Huntington Beach
3:14:50 AM	LOC	WF		9945 Adams Ave & Brookhurst St CA 92646	Huntington Beach
3:15:26 AM	LOC	WF		9945 Adams Ave & Brookhurst St CA 92646	Huntington Beach
3:16:02 AM	LOC	WF		9943 Adams Ave & Brookhurst St CA 92646	Huntington Beach
3:16:38 AM	LOC	WF	3mph NE	9949 Adams Ave & Brookhurst St CA 92646	Huntington Beach
3:16:43 AM	INB	WO	2mph NE	9945 Adams Ave & Brookhurst St CA 92646	Huntington Beach
WATER ON					
3:17:14 AM	LOC	WO	5mph NE	9897 Adams Ave & Sutton Ln 92646	Huntington Beach CA
3:17:26 AM	STOP	WO	5mph W	9869 Adams Ave & Sutton Ln 92646	Huntington Beach CA
3:17:50 AM	LOC	WO	5mph W	9831 Adams Ave & Sutton Ln 92646	Huntington Beach CA
3:18:26 AM	LOC	WO	5mph W	9789 Adams Ave & Sutton Ln 92646	Huntington Beach CA
3:19:02 AM	LOC	WO	5mph W	9791 Adams Ave & Sutton Ln 92646	Huntington Beach CA
3:19:38 AM	LOC	WO	6mph W	Derbyshire Ln & Adams Ave 92646	Huntington Beach CA



Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

	<u>Event Type</u>	<u>Status</u>	<u>Heading</u>	<u>Location / Message</u>
VEHICLE NAME: 244				
3/25/2017				
3:20:14 AM	LOC	WO	4mph W	9791 Adams Ave & Sidcup Ln Huntington Beach CA 92646
3:20:50 AM	LOC	WO	5mph W	9791 Adams Ave & Sidcup Ln Huntington Beach CA 92646
3:21:27 AM	LOC	WO	5mph W	Adams Ave & Providence Ln Huntington Beach CA 92646
3:22:03 AM	LOC	WO	6mph W	Adams Ave & Gloucester Ln Huntington Beach CA 92646
3:22:39 AM	LOC	WO	4mph W	Adams Ave & Chesapeake Ln Huntington Beach CA 92646
3:23:15 AM	LOC	WO	4mph W	9099 Adams Ave & Chesapeake Ln Huntington Beach CA 92646
3:23:51 AM	LOC	WO	4mph W	9185 Adams Ave & Lotus Ln Huntington Beach CA 92646
3:24:27 AM	LOC	WO	3mph W	9077 Adams Ave & Shorewood Cir Huntington Beach CA 92646
3:25:03 AM	LOC	WO	5mph W	9045 Adams Ave & Magnolia St Huntington Beach CA 92646
3:25:39 AM	LOC	WO	6mph W	8999 Adams Ave & Magnolia St Huntington Beach CA 92646
3:26:15 AM	LOC	WO	5mph W	8949 Adams Ave & Magnolia St Huntington Beach CA 92646
3:26:51 AM	LOC	WO	5mph W	8895 Adams Ave & Isthmus Ln Huntington Beach CA 92646
3:27:27 AM	LOC	WO	5mph W	8843 Adams Ave & Estuary Ln Huntington Beach CA 92646
3:28:03 AM	LOC	WO	4mph W	8699 Adams Ave & Felcliff Ln Huntington Beach CA 92646
3:28:39 AM	LOC	WO	5mph W	8669 Adams Ave & Treasure Cir Huntington Beach CA 92646
3:29:15 AM	LOC	WO	4mph W	8599 Adams Ave & Vintage Ln Huntington Beach CA 92646
3:29:51 AM	LOC	WO	4mph W	8533 Adams Ave & Newland St Huntington Beach CA 92646
3:30:27 AM	LOC	WO	4mph W	8459 Adams Ave & Newland St Huntington Beach CA 92646
3:31:03 AM	LOC	WO	5mph W	8371 Adams Ave & Newland St Huntington Beach CA 92646
3:31:39 AM	LOC	WO	5mph W	8277 Adams Ave & Rothert Ln Huntington Beach CA 92646



Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

Event Type Status Heading Location / Message

VEHICLE NAME: 244

3/25/2017

3:32:15 AM	LOC	WO	6mph W	8189 Adams Ave & Rothert Ln Huntington Beach CA 92646
3:32:51 AM	LOC	WO	4mph W	8135 Adams Ave & Coldwater Ln Huntington Beach CA 92646
3:33:27 AM	LOC	WO	5mph W	8087 Adams Ave & Coldwater Ln Huntington Beach CA 92646
3:34:03 AM	LOC	WO	5mph W	8053 Adams Ave & Beach Blvd Huntington Beach CA 92646
3:34:39 AM	LOC	WO		8017 Adams Ave & Beach Blvd Huntington Beach CA 92646
3:35:15 AM	LOC	WO	6mph E	8004 Adams Ave & Beach Blvd Huntington Beach CA 92646
3:35:19 AM	STOP	WF	5mph E	8012 Adams Ave & Beach Blvd Huntington Beach CA 92646
3:35:27 AM	INB	WF	2mph E	8016 Adams Ave & Beach Blvd Huntington Beach CA 92646
WATER OFF				
3:35:51 AM	LOC	WF	5mph E	20024 Beach Blvd/CA-39 Huntington Beach CA 92648
3:36:27 AM	LOC	WF		20010 Beach Blvd/CA-39 Huntington Beach CA 92648
3:37:03 AM	LOC	WF		20012 Beach Blvd/CA-39 Huntington Beach CA 92648
3:37:39 AM	LOC	WF		20008 Beach Blvd/CA-39 Huntington Beach CA 92648
3:38:15 AM	LOC	WF		20008 Beach Blvd/CA-39 Huntington Beach CA 92648
3:38:51 AM	LOC	WF		20008 Beach Blvd/CA-39 Huntington Beach CA 92648
3:39:27 AM	LOC	WF		20006 Beach Blvd/CA-39 Huntington Beach CA 92648
3:40:03 AM	LOC	WF		20008 Beach Blvd/CA-39 Huntington Beach CA 92648
3:40:39 AM	LOC	WF		20010 Beach Blvd/CA-39 Huntington Beach CA 92648
3:41:15 AM	LOC	WF		20010 Beach Blvd/CA-39 Huntington Beach CA 92648
3:41:51 AM	LOC	WF		20012 Beach Blvd/CA-39 Huntington Beach CA 92648

Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

	<u>Event Type</u>	<u>Status</u>	<u>Heading</u>	<u>Location / Message</u>
VEHICLE NAME: 244				
3/25/2017				
3:42:27 AM	LOC	WF		20012 Beach Blvd/CA-39 Huntington Beach CA 92648
3:43:03 AM	LOC	WF		20012 Beach Blvd/CA-39 Huntington Beach CA 92648
3:43:39 AM	LOC	WF		20012 Beach Blvd/CA-39 Huntington Beach CA 92648
3:44:15 AM	LOC	WF		20010 Beach Blvd/CA-39 Huntington Beach CA 92648
3:44:51 AM	LOC	WF		20008 Beach Blvd/CA-39 Huntington Beach CA 92648
3:45:27 AM	LOC	WF		20008 Beach Blvd/CA-39 Huntington Beach CA 92648
3:46:03 AM	LOC	WF		20010 Beach Blvd/CA-39 Huntington Beach CA 92648
3:46:39 AM	LOC	WF		20012 Beach Blvd/CA-39 Huntington Beach CA 92648
3:47:15 AM	LOC	WF		20012 Beach Blvd/CA-39 Huntington Beach CA 92648
3:47:51 AM	LOC	WF		20010 Beach Blvd/CA-39 Huntington Beach CA 92648
3:48:27 AM	LOC	WF		20008 Beach Blvd/CA-39 Huntington Beach CA 92648
3:49:03 AM	LOC	WF		20008 Beach Blvd/CA-39 Huntington Beach CA 92648
3:49:37 AM	INB	WO	4mph E	8012 Adams Ave & Beach Blvd Huntington Beach CA 92646 WATER ON
3:49:39 AM	LOC	WO	5mph E	8016 Adams Ave & Beach Blvd Huntington Beach CA 92646
3:49:54 AM	INB	WF	5mph E	8040 Adams Ave & Beach Blvd Huntington Beach CA 92646 WATER OFF
3:50:10 AM	INB	WO	4mph E	8064 Adams Ave & Coldwater Ln Huntington Beach CA 92646 WATER ON
3:50:15 AM	LOC	WO	4mph E	8072 Adams Ave & Coldwater Ln Huntington Beach CA 92646
3:50:51 AM	LOC	WO	6mph E	8102 Adams Ave & Coldwater Ln Huntington Beach CA 92646

Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

Event Type Status Heading Location / Message

VEHICLE NAME: 244

3/25/2017

3:50:54 AM	INB	WF	5mph E	8106 Adams Ave & Coldwater Ln Huntington Beach CA 92646 WATER OFF
3:51:04 AM	INB	WO	2mph E	8120 Adams Ave & Coldwater Ln Huntington Beach CA 92646 WATER ON
3:51:19 AM	INB	WF	3mph E	8136 Adams Ave & Coldwater Ln Huntington Beach CA 92646 WATER OFF
3:51:27 AM	LOC	WF	2mph E	8144 Adams Ave & Coldwater Ln Huntington Beach CA 92646
3:52:03 AM	LOC	WF	3mph E	8176 Adams Ave & Rothert Ln Huntington Beach CA 92646
3:52:03 AM	STCH	WO	3mph E	8176 Adams Ave & Rothert Ln Huntington Beach CA 92646
3:52:03 AM	INB	WO	3mph E	8176 Adams Ave & Rothert Ln Huntington Beach CA 92646 WATER ON
3:52:18 AM	STOP	WO	5mph E	8176 Adams Ave & Rothert Ln Huntington Beach CA 92646
3:52:39 AM	LOC	WO	2mph E	8208 Adams Ave & Rothert Ln Huntington Beach CA 92646
3:53:15 AM	LOC	WO	2mph E	8270 Adams Ave & Rothert Ln Huntington Beach CA 92646
3:53:51 AM	LOC	WO	2mph E	8324 Adams Ave & Rothert Ln Huntington Beach CA 92646
3:54:27 AM	LOC	WO	2mph E	8380 Adams Ave & Newland St Huntington Beach CA 92646
3:55:03 AM	LOC	WO	1mph E	8416 Adams Ave & Newland St Huntington Beach CA 92646
3:55:11 AM	INB	WF		8416 Adams Ave & Newland St Huntington Beach CA 92646 WATER OFF
3:55:39 AM	LOC	WF	3mph E	8374 Adams Ave & Newland St Huntington Beach CA 92646
3:56:15 AM	LOC	WF	2mph E	8298 Adams Ave & Rothert Ln Huntington Beach CA 92646
3:56:25 AM	INB	WO		8300 Adams Ave & Rothert Ln Huntington Beach CA 92646



Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

Event Type Status Heading Location / Message

VEHICLE NAME: 244

3/25/2017

WATER ON				
Time	Event Type	Status	Heading	Location / Message
3:56:51 AM	LOC	WO	4mph E	8346 Adams Ave & Rothert Ln Huntington Beach CA 92646
3:57:27 AM	LOC	WO	3mph E	8416 Adams Ave & Newland St Huntington Beach CA 92646
3:58:03 AM	LOC	WO	5mph E	20300 Newland St & Adams Ave Huntington Beach CA 92646
3:58:12 AM	STOP	WO	5mph E	8516 Adams Ave & Newland St Huntington Beach CA 92646
3:58:39 AM	LOC	WO	2mph E	8552 Adams Ave & Vintage Ln Huntington Beach CA 92646
3:59:15 AM	LOC	WO	4mph E	8614 Adams Ave & Vintage Ln Huntington Beach CA 92646
3:59:51 AM	LOC	WO	3mph E	8672 Adams Ave & Treasure Cir Huntington Beach CA 92646
4:00:24 AM	STOP	WO	5mph E	8698 Adams Ave & Crown Reef Ln Huntington Beach CA 92646
4:00:27 AM	LOC	WO	4mph E	8698 Adams Ave & Crown Reef Ln Huntington Beach CA 92646
4:01:03 AM	LOC	WO	3mph E	8900 Adams Ave & Tranquil Ln Huntington Beach CA 92646
4:01:39 AM	LOC	WO	3mph E	8918 Adams Ave & Mayport Ln Huntington Beach CA 92646
4:02:15 AM	LOC	WO	4mph E	8944 Adams Ave & Mayport Ln Huntington Beach CA 92646
4:02:51 AM	LOC	WO	5mph E	8972 Adams Ave & Magnolia St Huntington Beach CA 92646
4:03:27 AM	LOC	WO	8mph E	9008 Adams Ave & Magnolia St Huntington Beach CA 92646
4:04:03 AM	LOC	WO	5mph E	9102 Adams Ave & Shorewood Cir Huntington Beach CA 92646
4:04:39 AM	LOC	WO	5mph E	9192 Adams Ave & Shorewood Cir Huntington Beach CA 92646
4:04:55 AM	STOP	WO	5mph E	9500 Adams Ave & Shorewood Cir Huntington Beach CA 92646
4:05:15 AM	LOC	WO	4mph E	9500 Adams Ave & Harbor Isle Ln Huntington Beach CA 92646
4:05:51 AM	LOC	WO	5mph E	9500 Adams Ave & Marina Ln Huntington Beach CA 92646



Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

Event Type Status Heading Location / Message

VEHICLE NAME: 244

3/25/2017

4:06:27 AM	LOC	WO	4mph E	9500 Adams Ave & Cove Cir Huntington Beach CA 92646
4:07:03 AM	LOC	WO	5mph E	9500 Adams Ave & Moontide Cir Huntington Beach CA 92646
4:07:39 AM	LOC	WO	5mph E	9500 Adams Ave & Port Cir Huntington Beach CA 92646
4:08:08 AM	STOP	WF	5mph E	9510 Adams Ave & Sidcup Ln Huntington Beach CA 92646
4:08:15 AM	LOC	WO	4mph E	9518 Adams Ave & Sidcup Ln Huntington Beach CA 92646
4:08:51 AM	LOC	WO	3mph E	9556 Adams Ave & Sidcup Ln Huntington Beach CA 92646
4:09:02 AM	INB	WF		9558 Adams Ave & Sidcup Ln Huntington Beach CA 92646
				WATER OFF
4:09:27 AM	LOC	WF		9558 Adams Ave & Sidcup Ln Huntington Beach CA 92646
4:10:03 AM	LOC	WF		9558 Adams Ave & Sidcup Ln Huntington Beach CA 92646
4:10:12 AM	INB	WO		9558 Adams Ave & Sidcup Ln Huntington Beach CA 92646
				WATER ON
4:10:39 AM	LOC	WO	3mph E	9576 Adams Ave & Derbyshire Ln Huntington Beach CA 92646
4:11:15 AM	LOC	WO	4mph E	9634 Adams Ave & Derbyshire Ln Huntington Beach CA 92646
4:11:51 AM	LOC	WO	4mph E	9732 Adams Ave & Sutton Ln Huntington Beach CA 92646
4:12:27 AM	LOC	WO	5mph E	9812 Adams Ave & Sutton Ln Huntington Beach CA 92646
4:13:03 AM	LOC	WO	8mph E	9882 Adams Ave & Sutton Ln Huntington Beach CA 92646
4:13:39 AM	LOC	WO	5mph E	9956 Adams Ave & Brookhurst St Huntington Beach CA 92646
4:14:15 AM	LOC	WO	6mph S	20027 Brookhurst St & Adams Ave Huntington Beach CA 92646
4:14:51 AM	LOC	WO	6mph S	20101 Brookhurst St & Meredith Dr Huntington Beach CA 92646
4:15:27 AM	LOC	WO	4mph S	20165 Brookhurst St & Meredith Dr Huntington Beach CA 92646



Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

Event Type Status Heading Location / Message

VEHICLE NAME: 244

3/25/2017

4:16:04 AM	LOC	WO	4mph S	20199 Brookhurst St & Meredith Dr Huntington Beach CA 92646
4:16:40 AM	LOC	WO	9mph S	Peck Dr & Brookhurst St Huntington Beach CA 92646
4:17:16 AM	LOC	WO	5mph S	20199 Brookhurst St & Birchwood Dr Huntington Beach CA 92646
4:17:52 AM	LOC	WO	2mph S	20199 Brookhurst St & Crailet Dr Huntington Beach CA 92646
4:18:28 AM	LOC	WO	5mph S	20199 Brookhurst St & Indianapolis Ave Huntington Beach CA 92646
4:19:04 AM	LOC	WO	5mph S	20199 Brookhurst St & Hercules Dr Huntington Beach CA 92646
4:19:40 AM	LOC	WO	6mph S	20199 Brookhurst St & Spinnaker Dr Huntington Beach CA 92646
4:20:03 AM	INB	WF	2mph S	20801 Brookhurst St & Spinnaker Dr Huntington Beach CA 92646
WATER OFF				
4:20:16 AM	LOC	WF		20801 Brookhurst St & Spinnaker Dr Huntington Beach CA 92646
4:20:52 AM	LOC	WF		20801 Brookhurst St & Spinnaker Dr Huntington Beach CA 92646
4:21:11 AM	INB	WO		20801 Brookhurst St & Spinnaker Dr Huntington Beach CA 92646
WATER ON				
4:21:28 AM	LOC	WO	4mph S	20801 Brookhurst St & Spinnaker Dr Huntington Beach CA 92646
4:22:04 AM	LOC	WO	4mph S	20801 Brookhurst St & Cliff Dr Huntington Beach CA 92646
4:22:40 AM	LOC	WO	5mph S	20801 Brookhurst St & Endeavor Ln Huntington Beach CA 92646
4:23:16 AM	LOC	WO	4mph S	20819 Brookhurst St & Endeavor Ln Huntington Beach CA 92646
4:23:52 AM	LOC	WO	1mph S	20897 Brookhurst St & Endeavor Ln Huntington Beach CA 92646
4:24:14 AM	INB	WF	3mph S	20969 Brookhurst St & Atlanta Ave Huntington Beach CA 92646
WATER OFF				
4:24:23 AM	INB	WO		20969 Brookhurst St & Atlanta Ave Huntington Beach CA 92646
WATER ON				

Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

Event Type Status Heading Location / Message

VEHICLE NAME: 244

3/25/2017

4:24:28 AM	LOC	WO	1mph S	20975 Brookhurst St & Atlanta Ave Huntington Beach CA 92646
4:25:04 AM	LOC	WO	5mph S	21067 Brookhurst St & Dana Dr Huntington Beach CA 92646
4:25:40 AM	LOC	WO	5mph S	21121 Brookhurst St & Sprit Cir Huntington Beach CA 92646
4:26:16 AM	LOC	WO	5mph S	21181 Brookhurst St & Effingham Dr Huntington Beach CA 92646
4:26:52 AM	LOC	WO	3mph S	21187 Brookhurst St & Effingham Dr Huntington Beach CA 92646
4:27:28 AM	LOC	WO	5mph S	21301 Brookhurst St & Effingham Dr Huntington Beach CA 92646
4:27:46 AM	INB	WF	4mph S	21317 Brookhurst St & Villa Pacific Dr Huntington Beach CA 92646 WATER OFF
4:28:04 AM	LOC	WF	4mph S	21355 Brookhurst St & Villa Pacific Dr Huntington Beach CA 92646
4:28:37 AM	INB	WO	5mph S	21429 Brookhurst St & Villa Pacific Dr Huntington Beach CA 92646 WATER ON
4:28:40 AM	LOC	WO	6mph S	21435 Brookhurst St & Villa Pacific Dr Huntington Beach CA 92646
4:29:16 AM	LOC	WO	6mph W	9989 Hamilton Ave & Brookhurst St Huntington Beach CA 92646
4:29:45 AM	STOP	WF	5mph W	9929 Hamilton Ave & Brookhurst St Huntington Beach CA 92646
4:29:47 AM	INB	WF	4mph W	9927 Hamilton Ave & Brookhurst St Huntington Beach CA 92646 WATER OFF
4:29:52 AM	LOC	WF	1mph W	9927 Hamilton Ave & Brookhurst St Huntington Beach CA 92646
4:30:28 AM	LOC	WF		9925 Hamilton Ave & Brookhurst St Huntington Beach CA 92646
4:31:04 AM	LOC	WF		9927 Hamilton Ave & Brookhurst St Huntington Beach CA 92646
4:31:40 AM	LOC	WF		9927 Hamilton Ave & Brookhurst St Huntington Beach CA 92646
4:32:16 AM	LOC	WF		9927 Hamilton Ave & Brookhurst St Huntington Beach CA 92646

Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

Event Type Status Heading Location / Message

VEHICLE NAME: 244

3/25/2017

4:32:52 AM	LOC	WF	9931 Hamilton Ave & Brookhurst St Beach CA 92646	Huntington
4:33:28 AM	LOC	WF	9929 Hamilton Ave & Brookhurst St Beach CA 92646	Huntington
4:34:04 AM	LOC	WF	9931 Hamilton Ave & Brookhurst St Beach CA 92646	Huntington
4:34:40 AM	LOC	WF	9929 Hamilton Ave & Brookhurst St Beach CA 92646	Huntington
4:35:16 AM	LOC	WF	9927 Hamilton Ave & Brookhurst St Beach CA 92646	Huntington
4:35:52 AM	LOC	WF	9925 Hamilton Ave & Brookhurst St Beach CA 92646	Huntington
4:36:28 AM	LOC	WF	9925 Hamilton Ave & Brookhurst St Beach CA 92646	Huntington
4:37:04 AM	LOC	WF	9925 Hamilton Ave & Brookhurst St Beach CA 92646	Huntington
4:37:40 AM	LOC	WF	9925 Hamilton Ave & Brookhurst St Beach CA 92646	Huntington
4:38:16 AM	LOC	WF	9925 Hamilton Ave & Brookhurst St Beach CA 92646	Huntington
4:38:52 AM	LOC	WF	9925 Hamilton Ave & Brookhurst St Beach CA 92646	Huntington
4:39:28 AM	LOC	WF	9925 Hamilton Ave & Brookhurst St Beach CA 92646	Huntington
4:40:04 AM	LOC	WF	9923 Hamilton Ave & Brookhurst St Beach CA 92646	Huntington
4:40:40 AM	LOC	WF	9923 Hamilton Ave & Brookhurst St Beach CA 92646	Huntington
4:41:16 AM	LOC	WF	9923 Hamilton Ave & Brookhurst St Beach CA 92646	Huntington
4:41:52 AM	LOC	WF	9925 Hamilton Ave & Brookhurst St Beach CA 92646	Huntington
4:42:28 AM	LOC	WF	9927 Hamilton Ave & Brookhurst St Beach CA 92646	Huntington
4:43:04 AM	LOC	WF	9925 Hamilton Ave & Brookhurst St Beach CA 92646	Huntington
4:43:40 AM	LOC	WF	9925 Hamilton Ave & Brookhurst St Beach CA 92646	Huntington
4:44:16 AM	LOC	WF	9925 Hamilton Ave & Brookhurst St Beach CA 92646	Huntington



Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

	<u>Event Type</u>	<u>Status</u>	<u>Heading</u>	<u>Location / Message</u>
VEHICLE NAME: 244				
3/25/2017				
4:44:52 AM	LOC	WF		9925 Hamilton Ave & Brookhurst St Huntington Beach CA 92646
4:45:28 AM	LOC	WF		9925 Hamilton Ave & Brookhurst St Huntington Beach CA 92646
4:46:04 AM	LOC	WF		9925 Hamilton Ave & Brookhurst St Huntington Beach CA 92646
4:46:18 AM	INB	WO		9925 Hamilton Ave & Brookhurst St Huntington Beach CA 92646
				WATER ON
4:46:40 AM	LOC	WO	13mph W	9873 Hamilton Ave & St John Ln Huntington Beach CA 92646
4:47:16 AM	LOC	WO	10mph W	21498 Via Straits Ln & Hamilton Ave Huntington Beach CA 92646
4:47:52 AM	LOC	WO	10mph W	9589 Hamilton Ave & Spyglass Ln Huntington Beach CA 92646
4:48:28 AM	LOC	WO	8mph W	21700 Bushard St & Hamilton Ave Huntington Beach CA 92646
4:49:04 AM	LOC	WO	6mph W	Hamilton Ave & Bushard St Huntington Beach CA 92646
4:49:40 AM	LOC	WO	8mph W	Hamilton Ave & Lehua Ln Huntington Beach CA 92646
4:50:16 AM	LOC	WO	4mph W	Hamilton Ave & Lehua Ln Huntington Beach CA 92646
4:50:52 AM	LOC	WO	5mph W	Hamilton Ave & Polynesian Ln Huntington Beach CA 92646
4:51:28 AM	LOC	WO	6mph W	Hamilton Ave & Polynesian Ln Huntington Beach CA 92646
4:51:41 AM	INB	WF	4mph W	Hamilton Ave & Polynesian Ln Huntington Beach CA 92646
				WATER OFF
4:52:04 AM	LOC	WF		Hamilton Ave & Polynesian Ln Huntington Beach CA 92646
4:52:40 AM	LOC	WF		Hamilton Ave & Polynesian Ln Huntington Beach CA 92646
4:52:40 AM	STCH	WO		Hamilton Ave & Polynesian Ln Huntington Beach CA 92646
4:52:40 AM	INB	WO		Hamilton Ave & Polynesian Ln Huntington Beach CA 92646
				WATER ON



Detailed

For 3/24/2017 12:00 AM through 3/25/2017 11:59 PM (Pacific Time)

Event Type Status Heading Location / Message

VEHICLE NAME: 244

3/25/2017

4:53:16 AM	LOC	WO	4mph W	Hamilton Ave & Magnolia St Huntington Beach CA 92646
4:53:52 AM	LOC	WO	9mph W	8699 Hamilton Ave & Magnolia St Huntington Beach CA 92646
4:54:28 AM	LOC	WO	8mph W	8699 Hamilton Ave & Surveyor Cir Huntington Beach CA 92646
4:54:57 AM	INB	WF	5mph W	8699 Hamilton Ave & Surveyor Cir Huntington Beach CA 92646 WATER OFF
4:55:04 AM	LOC	WF	1mph W	8699 Hamilton Ave & Surveyor Cir Huntington Beach CA 92646
4:55:40 AM	LOC	WF		8699 Hamilton Ave & Surveyor Cir Huntington Beach CA 92646
4:55:53 AM	INB	WO		8699 Hamilton Ave & Surveyor Cir Huntington Beach CA 92646 WATER ON
4:56:16 AM	LOC	WO	5mph W	8699 Hamilton Ave & Surveyor Cir Huntington Beach CA 92646
4:56:52 AM	LOC	WO	8mph W	8653 Hamilton Ave & Surveyor Cir Huntington Beach CA 92646
4:57:28 AM	LOC	WO	8mph W	8563 Hamilton Ave & Seaforth Ln Huntington Beach CA 92646
4:57:50 AM	INB	WF	8mph W	21498 Newland St & Hamilton Ave Huntington Beach CA 92646 WATER OFF
4:58:04 AM	LOC	WF	11mph N	21466 Newland St & Noelle Dr Huntington Beach CA 92646
4:58:40 AM	LOC	WF	34mph N	21176 Newland St & Mariners Cove Dr Huntington Beach CA 92646
4:59:16 AM	LOC	WF	20mph N	21000 Newland St & Atlanta Ave Huntington Beach CA 92646
4:59:52 AM	LOC	WF	37mph N	Newland St & Indianapolis Ave Huntington Beach CA 92646
5:00:28 AM	LOC	WF	36mph N	20301 Newland St & Kelso Dr Huntington Beach CA 92646
5:01:04 AM	LOC	WF	10mph E	8528 Adams Ave & Newland St Huntington Beach CA 92646
5:01:40 AM	LOC	WF	28mph E	8908 Adams Ave & Tranquil Ln Huntington Beach CA 92646

Appendix F
Worker Environmental Awareness
Program

Appendix G
Biological Resources Monthly
Summary Report

AES Southland Development LLC

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

March 2017 Reporting Period

April 2017

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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) from March 1 through March 31, 2017, in accordance with the Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP). The following biological Conditions of Certification (COCs) 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 (BRMIMP);
- BIO-7 General Impact Avoidance Mitigation Measures; and
- BIO-8 Pre-construction Nest Surveys and Impact Minimization Measures for Breeding Birds.

2.0

LNTP MONITORING SUMMARY

This section summarizes biological monitoring activities conducted by Butier Engineering Inc. during the March 2017 reporting period. Construction mobilization began August 15, 2016.

Biological monitoring is conducted on a weekly basis (one visit per week). There is currently one active nest within the LNTP HBEP site. Biological resources daily inspection logs are provided in Appendix A. Biological monitoring resources compliance monitoring logs are provided in Appendix B. Wildlife observations forms are included in Appendix C.

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 to bi-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 receives WEAP training prior to start of work. The hardcopy sign-in training logs for March 2017 will be submitted under separate cover.

2.1

NESTING BIRDS

A female mallard (*Anas platyrhynchos*) and six (6) ducklings were observed in the fuel oil tank containment berm immediately north of the LNTP site, within the Huntington Beach Generating Station (HBGS).

One active killdeer (*Charadrius vociferus*) nest was identified within the LNTP HBEP site on February 24, 2017 and the nest was active until March 23, 2017. A 25-foot buffer was removed by the Designated Biologist after it was confirmed predation had occurred.

Two active Anna's hummingbird (*Calypte anna*) nests were located within the perimeter landscaping. A 25-foot buffer has been established for each nest and nest monitoring will continue.

2.3 **SPECIAL-STATUS SPECIES**

Eight special-status avian species were observed within the project vicinity during monitoring, which included the following: sharp-shinned hawk (*Accipiter striatus*; 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), burrowing owl (*Athene cunicularia*; CDFW Species of Special Concern [SSC]; United States Department of Interior, Bureau of Land Management [BLM] S; United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]), peregrine falcon (*Falco peregrinus*; USFWS BCC; CDFW FP), long-billed curlew (*Numenius americanus*; CDFW WL; USFWS BCC), osprey (*Pandion haliaetus*; CDFW WL), osprey (*Pandion haliaetus*; CDFW WL), and double-crested cormorant (*Phalacrocorax auritus*; CDFW WL).

2.4 **WILDLIFE INJURIES AND MORTALITIES**

2.4.1 ***Migratory Bird Treaty Act Protected Species***

On March 23, 2017, onsite personnel witnessed the killdeer nest being preyed upon by an American crow (*Corvus brachyrhynchos*) the associated wildlife observation form is provided in Appendix C. No additional injured or dead species protected by the Migratory Bird Treaty Act (MBTA) were observed within the LNTP project site. Lists of avian species observed during the monitoring events are included in Appendix D.

2.4.2 ***Other Species***

On March 14, 2017, four uninjured and healthy juvenile desert cottontails (*Sylvilagus audubonii*) were found within the asbestos abatement area. The Designated Biologist took the juveniles rabbits to the Wetlands & Wildlife Care Center. No additional injured or dead wildlife species were observed within the LNTP boundary. Lists 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 during the biological monitoring visits.

2.6 *TRASH*

Some trash was observed within the LNTP and a request for removal was submitted.

2.7 *NON-COMPLIANCE REPORT*

One formal non-compliance notification was issued. On March 23, 2017, the Designated Biologist received a call at 13:00 from Joe'd Cook/ AES Safety Representative. She stated that Mark Smith/Butier Engineering had shown her some pieces of collected eggs fragments from the killdeer nest. The Designated Biologist contacted Mark Smith and Josh Wynia/ AES to review the potential compliance issues. When the Designated Biologist called Mark Smith, she asked him if he had encroached on the 25-foot nesting buffer and collected eggs fragments. He confirmed that he had done both activities because onsite personnel witnessed the nest being preyed on by an American crow. The Designated Biologist immediately informed him that he is not permitted to encroach any buffers or is permitted to collect egg fragments. On March 24, 2017, the Designated Biologist arrived onsite at 0800 to confirm the nest was no longer active. The nest was empty and the 25-foot buffer was removed. Josh Wynia/ AES has removed Mark Smith from his daily biological resource inspections and no further corrective actions are recommended. Joe'd Cook will now be responsible for the daily inspections. A formal notification was submitted to the California Energy Commission (CEC) Compliance Project Manager (CPM).

Appendix A
Biological Resources Daily Inspection Logs

**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
03/01/2017	Wednesday	Mark Smith / Butier Engineering			AES / GSD / BEI
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility am / pm	Weather Comment
44 / 70	84 / 28	4 / 11	No	10+mi / 20mi	clear cool slight haze, am/ clear slightly breezy w

Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1473. After you have contacted the DB, 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		
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		
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y		
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		
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		
No firearms or weapons are onsite.	Y		NONE OBSERVED
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y		
Pesticide management in accordance with standard best management practices (BMPs).	Y		
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y		No current exclusion zones, Two buffer
Displaced wildlife	N		
Onsite traffic speed limit 15 mph	Y		10mph IN CONSTRUCTION ZONE
Pre-construction surveys (nesting birds and bats)	Y		COMPLETED

Items Requiring Action/Follow-up

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**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	
03/02/2017	Thursday	Mark Smith / Butier Engineering			AES / BEI / GSD	
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility am / pm	Weather Comment	
50 / 75	44 / 17	2 / 11	No	25+mi / 20+mi	clear, warm mid 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. After you have contacted the DB, 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				
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				
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).		Y				
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.		Y				
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.		Y				
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				
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				
No firearms or weapons are onsite.		Y		NONE OBSERVED		
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.		Y				
Pesticide management in accordance with standard best management practices (BMPs).		Y				
Exclusion Zones (e.g., no-disturbance buffer for active nests)		Y		No current exclusion zones, Two buffer		
Displaced wildlife		N				
Onsite traffic speed limit 15 mph		Y		10mph IN CONSTRUCTION ZONE		
Pre-construction surveys (nesting birds and bats)		Y		COMPLETED		
Items Requiring Action/Follow-up						

**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
03/03/2017	Friday	Mark Smith / Butier Engineering			AES / BEI / GSD
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility am / pm	Weather Comment
45 / 75	60 / 21	0 / 9	No	20+mi / 25mi	clear cool slight haze / clear warm dry slight bree

Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1473. After you have contacted the DB, 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		
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		
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y		
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		
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		
No firearms or weapons are onsite.	Y		NONE OBSERVED
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y		
Pesticide management in accordance with standard best management practices (BMPs).	Y		
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y		No current exclusion zones, Two buffer
Displaced wildlife	N		
Onsite traffic speed limit 15 mph	Y		10mph IN CONSTRUCTION ZONE
Pre-construction surveys (nesting birds and bats)	Y		COMPLETED

Items Requiring Action/Follow-up

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**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
03/06/2017	Monday	Mark Smith / Butier Engineering			AES / BEI / GSD
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility am / pm	Weather Comment
43 / 62	75 / 42	1 / 12	No	20+mi / 25mi	clear cool slightly hazy / clear cool wind

Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173. After you have contacted the DB, 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		
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		
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y		
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		
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		
No firearms or weapons are onsite.	Y		NONE OBSERVED
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y		
Pesticide management in accordance with standard best management practices (BMPs).	Y		
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y		No current exclusion zones, Two buffer zone
Displaced wildlife	n		
Onsite traffic speed limit 15 mph	Y		10mph IN CONSTRUCTION ZONE
Pre-construction surveys (nesting birds and bats)	Y		COMPLETED

Items Requiring Action/Follow-up

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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
03/06/2017	Monday	Joe'd Cook / Butier			AES/ GSD
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment
44	72	1	N	Clear	

Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173. After you have contacted the DB, 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		
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		
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y		
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		
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		
No firearms or weapons are onsite.	Y		
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y		
Pesticide management in accordance with standard best management practices (BMPs).	Y		
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y		1-Owl and 1 Killdeer nest
Displaced wildlife	N		
Onsite traffic speed limit 15 mph	Y		
Pre-construction surveys (nesting birds and bats)	Y		

Items Requiring Action/Follow-up

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**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
03/07/2017	Tuesday	Mark Smith / Butier Engineering			AES / BEI / GSD
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility am / pm	Weather Comment
44 / 66	75 / 40	0 / 7	No	20+mi / 20mi	mostly clear cool / mstly clear warm low humidity

Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173. After you have contacted the DB, 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		
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		
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y		
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		
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		
No firearms or weapons are onsite.	Y		NONE OBSERVED
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y		
Pesticide management in accordance with standard best management practices (BMPs).	Y		
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y		No current exclusion zones, Two buffer
Displaced wildlife	n		
Onsite traffic speed limit 15 mph	Y		10mph IN CONSTRUCTION ZONE
Pre-construction surveys (nesting birds and bats)	Y		COMPLETED

Items Requiring Action/Follow-up

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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	
03/07/2017	Tuesday	Joe'd Cook/Butier			AES/GSD	
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment	
50/68	49	WSW 8	N	Clear	Sunny	

Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173. After you have contacted the DB, 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		
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		
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y		
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		
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		
No firearms or weapons are onsite.	Y		
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y		
Pesticide management in accordance with standard best management practices (BMPs).	Y		
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y		1-Owl and 1 Killdeer nest
Displaced wildlife	N		
Onsite traffic speed limit 15 mph	Y		
Pre-construction surveys (nesting birds and bats)	Y		

Items Requiring Action/Follow-up

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**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	
03/08/2017	Wednesday	Mark Smith / Butier Engineering			AES / BEI / GSD	
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility am / pm	Weather Comment	
49 / 70	79 / 40	0 / 10	No	15-20mi / 20mi	mostly clear cool / mostly clear warm dry	
<p>Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173. After you have contacted the DB, 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				
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				
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).		Y				
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.		Y				
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.		Y				
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				
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				
No firearms or weapons are onsite.		Y		NONE OBSERVED		
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.		Y				
Pesticide management in accordance with standard best management practices (BMPs).		Y				
Exclusion Zones (e.g., no-disturbance buffer for active nests)		Y		2-buffer zones, one owl and one nested		
Displaced wildlife		n				
Onsite traffic speed limit 15 mph		Y		10mph IN CONSTRUCTION ZONE		
Pre-construction surveys (nesting birds and bats)		Y		COMPLETED		
Items Requiring Action/Follow-up						

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	
03/08/2017	Wednesday	Joe'd Cook/Butier			AES/GSD/Safeway/Kiewit	
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment	
52/80	46	W 8	N	Clear	Sunny	

Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173. After you have contacted the DB, 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		
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		
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y		
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		
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		
No firearms or weapons are onsite.	Y		
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y		
Pesticide management in accordance with standard best management practices (BMPs).	Y		
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y		1-Owl and 1 Killdeer nest
Displaced wildlife	N		
Onsite traffic speed limit 15 mph	Y		
Pre-construction surveys (nesting birds and bats)	Y		

Items Requiring Action/Follow-up

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**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	
03/09/2017	Thursday	Mark Smith / Butier Engineering			AES / BEI / GSD	
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility am / pm	Weather Comment	
52 / 73	82 / 47	0 / 9	No	20mi / 20mi	clear warm / clear feels hot & dry at 73	
<p>Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173. After you have contacted the DB, 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				
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				
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).		Y				
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.		Y				
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.		Y				
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				
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				
No firearms or weapons are onsite.		Y		NONE OBSERVED		
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.		Y				
Pesticide management in accordance with standard best management practices (BMPs).		Y				
Exclusion Zones (e.g., no-disturbance buffer for active nests)		Y		3-buffer zones, one owl, one nested Killdeer,		
Displaced wildlife		n				
Onsite traffic speed limit 15 mph		Y		10mph IN CONSTRUCTION ZONE		
Pre-construction surveys (nesting birds and bats)		Y		COMPLETED		
Items Requiring Action/Follow-up						

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	
03/09/2017	Thursday	Joe'd Cook/Butier			AES/GSD/Safway/Kiewit	
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment	
53/83	49	SW 8	N	Clear	Sunny	

Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173. After you have contacted the DB, 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		
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		
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y		
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		
Litter-free work site - trash and food-related waste are placed in self-closing containers and removed weekly or more frequently from the site.	N	Y	Trash and cigarette butts on ground
No firearms or weapons are onsite.	Y		
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y		
Pesticide management in accordance with standard best management practices (BMPs).	Y		
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y		1-Owl, 1 Killdeer nest, 1 Humming Bird nest
Displaced wildlife	N		
Onsite traffic speed limit 15 mph	Y		
Pre-construction surveys (nesting birds and bats)	Y		

Items Requiring Action/Follow-up

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**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
03/10/2017	Friday	Mark Smith / Butier Engineering			AES / BEI / GSD
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility am / pm	Weather Comment am / pm
54 / 73	78 / 46	1 / 9	No	15mi / 15mi	partly cloudy warming late am / mostly cloudy

Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173. After you have contacted the DB, 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		
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		
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y		
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		
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		
No firearms or weapons are onsite.	Y		NONE OBSERVED
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y		
Pesticide management in accordance with standard best management practices (BMPs).	Y		
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y		Two buffer zones, one owl and one nested
Displaced wildlife	n		
Onsite traffic speed limit 15 mph	Y		10mph IN CONSTRUCTION ZONE
Pre-construction surveys (nesting birds and bats)	Y		COMPLETED

Items Requiring Action/Follow-up

Squirrel relocation may need to be completed. Follow up on Monday by project biologist scheduled

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	
03/10/2017	Friday	Joe'd Cook/Butier			AES/GSD/Safway/Kiewit	
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment	
54/73	61	SW 8	N	Clear	Partly Cloudy	

Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173. After you have contacted the DB, 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		
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		
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y		
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		
Litter-free work site - trash and food-related waste are placed in self-closing containers and removed weekly or more frequently from the site.	N	Y	Trash on ground
No firearms or weapons are onsite.	Y		
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y		
Pesticide management in accordance with standard best management practices (BMPs).	Y		
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y		1-Owl, 1 Killdeer nest, 1 Humming Bird nest
Displaced wildlife	N		
Onsite traffic speed limit 15 mph	Y		
Pre-construction surveys (nesting birds and bats)	Y		

Items Requiring Action/Follow-up

8:32- 10:16 am monitored the hummingbird nest while scaffold guys finished erecting the scaffold in her area. The nest and bird seemed fine throughout the time we were in her area.

**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
03/13/2017	Monday	Mark Smith / Butier Engineering			AES / BEI / GSD
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility am / pm	Weather Comment am / pm
57 / 66	88 / 46	0 / 11	No	<1mi / 1-3mi	patchy fog clear late am / fog lifted overcast haze

Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173. After you have contacted the DB, 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		
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		
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y		
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		
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		
No firearms or weapons are onsite.	Y		NONE OBSERVED
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y		
Pesticide management in accordance with standard best management practices (BMPs).	Y		
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y		3 buffer zones, BUOW, HUBI, nested Killdeer
Displaced wildlife	n		
Onsite traffic speed limit 15 mph	Y		10mph IN CONSTRUCTION ZONE
Pre-construction surveys (nesting birds and bats)	Y		COMPLETED

Items Requiring Action/Follow-up

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**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
03/14/2017	Tuesday	Mark Smith / Butier Engineering			AES / BEI / GSD
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility am / pm	Weather Comment am / pm
55 / 69	96 / 64	0 / 9	No	150ft / 1-3mi	fog breaking@9 am / patchy sun foggy overcast

Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173. After you have contacted the DB, 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		
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		
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y		
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		
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		
No firearms or weapons are onsite.	Y		NONE OBSERVED
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y		
Pesticide management in accordance with standard best management practices (BMPs).	Y		
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y		3 buffer zones; BUOW, HUmbird, Killdeer
Displaced wildlife	Y		4-New born rabbits taken to WCF
Onsite traffic speed limit 15 mph	Y		10mph IN CONSTRUCTION ZONE
Pre-construction surveys (nesting birds and bats)	Y		COMPLETED

Items Requiring Action/Follow-up

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**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
03/15/2017	Wednesday	Mark Smith / Butier Engineering			AES / BEI / GSD
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility am / pm	Weather Comment am / pm
57 / 68	82 / 66	1 / 11	No	200ft / 5mi	coastal fog am / mostly cloudy variable coastal fog

Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173. After you have contacted the DB, 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		
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		
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y		
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		
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		
No firearms or weapons are onsite.	Y		NONE OBSERVED
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y		
Pesticide management in accordance with standard best management practices (BMPs).	Y		
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y		3 buffer zones; BUOW, Killdeer, Humbird
Displaced wildlife	n		
Onsite traffic speed limit 15 mph	Y		10mph IN CONSTRUCTION ZONE
Pre-construction surveys (nesting birds and bats)	Y		COMPLETED

Items Requiring Action/Follow-up

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**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
03/16/2017	Thursday	Mark Smith / Butier Engineering			AES / BEI / GSD
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility am / pm	Weather Comment am / pm
57 / 67	86 / 73	2 / 9	No	200ft to 1-3mi	patchy coastal fog and inland clearing at 10am

Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173. After you have contacted the DB, 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		
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		
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y		
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		
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		
No firearms or weapons are onsite.	Y		NONE OBSERVED
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y		
Pesticide management in accordance with standard best management practices (BMPs).	Y		
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y		3 buffer zones, BUOW, Killdeer, HUBI
Displaced wildlife	n		
Onsite traffic speed limit 15 mph	Y		10mph IN CONSTRUCTION ZONE
Pre-construction surveys (nesting birds and bats)	Y		COMPLETED

Items Requiring Action/Follow-up

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**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
03/17/2017	Friday	Josh Wynia			AES
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility am / pm	Weather Comment am / pm
54 / 70	91 / 68	4 / 8	No	200ft to 1-3mi	patchy coastal fog and inland clearing at 10am

Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173. After you have contacted the DB, 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		
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		
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y		
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		
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		
No firearms or weapons are onsite.	Y		NONE OBSERVED
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y		
Pesticide management in accordance with standard best management practices (BMPs).	Y		
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y		3 buffer zones, BUOW, Killdeer, HUBI
Displaced wildlife	N		
Onsite traffic speed limit 15 mph	Y		10mph IN CONSTRUCTION ZONE
Pre-construction surveys (nesting birds and bats)	Y		COMPLETED

Items Requiring Action/Follow-up

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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	
03/20/2017	Monday	Joe'd Cook/Butier			AES/GSD/Kiewit	
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment	
55/63	77	S 4	N	10.0 mi	Cloudy	

Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173. After you have contacted the DB, 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		
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		
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y		
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		
Litter-free work site - trash and food-related waste are placed in self-closing containers and removed weekly or more frequently from the site.	N	Y	Cigarette butts on ground.
No firearms or weapons are onsite.	Y		
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y		
Pesticide management in accordance with standard best management practices (BMPs).	Y		
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y		1-Owl, 1 Killdeer nest, 1 Humming Bird nest
Displaced wildlife	N		
Onsite traffic speed limit 15 mph	Y		
Pre-construction surveys (nesting birds and bats)	Y		

Items Requiring Action/Follow-up

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**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
03/21/2017	Tuesday	Mark Smith / Butier Engineering			AES / BEI / GSD
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility am / pm	Weather Comment am / pm
56 / 65	83 / 70	5 / 17	No/lite drizzle pm	5-10mi/ 5-10mi	mostly cloudy rain predicted for am / cloudy late

Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173. After you have contacted the DB, 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		
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		
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y		
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		
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		
No firearms or weapons are onsite.	Y		NONE OBSERVED
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y		
Pesticide management in accordance with standard best management practices (BMPs).	Y		
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y		3 buffer zones, BUOW, Killdeer, 2-HUBI
Displaced wildlife	n		
Onsite traffic speed limit 15 mph	Y		10mph IN CONSTRUCTION ZONE
Pre-construction surveys (nesting birds and bats)	Y		COMPLETED

Items Requiring Action/Follow-up

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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	
03/21/2017	Tuesday	Joe'd Cook/Butier			AES/GSD/Kiewilt	
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment	
58/64	86	ESE 4	N	10.0 mi	Cloudy	

Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173. After you have contacted the DB, 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		
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		
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y		
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		
Litter-free work site - trash and food-related waste are placed in self-closing containers and removed weekly or more frequently from the site.	N	Y	Talked to Chuck (Kiewit's safety guy) about cigarettes on ground.
No firearms or weapons are onsite.	Y		None observed.
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y		
Pesticide management in accordance with standard best management practices (BMPs).	Y		
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y		1-Owl, 1 Killdeer nest, 1 Humming Bird nest.
Displaced wildlife	N		
Onsite traffic speed limit 15 mph	Y		10 mph in construction zone.
Pre-construction surveys (nesting birds and bats)	Y		

Items Requiring Action/Follow-up

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**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	
03/22/2017	Wednesday	Mark Smith / Butier Engineering			AES / BEI / GSD	
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility am / pm	Weather Comment am / pm	
59 / 65	94 / 62	3 / 14	Yes non-event not r	10mi / 15+mi	cloudy rain predicted, clearing at11am/ partly cl	
<p>Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173. After you have contacted the DB, 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				
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				
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).		Y				
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.		Y				
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.		Y				
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				
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				
No firearms or weapons are onsite.		Y		NONE OBSERVED		
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.		Y				
Pesticide management in accordance with standard best management practices (BMPs).		Y				
Exclusion Zones (e.g., no-disturbance buffer for active nests)		Y		3 buffer zones, BUOW, Killdeer, 2-Humbird,		
Displaced wildlife		n				
Onsite traffic speed limit 15 mph		Y		10mph IN CONSTRUCTION ZONE		
Pre-construction surveys (nesting birds and bats)		Y		COMPLETED		
Items Requiring Action/Follow-up						

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	
03/22/2017	Wednesday	Joe'd Cook/Butier			AES/GSD/Kiewit	
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment	
52/64	91	WSW 3	N	9.0 mi	Cloudy	

Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173. After you have contacted the DB, 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		
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		
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y		
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		
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		
No firearms or weapons are onsite.	Y		None observed.
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y		
Pesticide management in accordance with standard best management practices (BMPs).	Y		
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y		1-Owl, 1 Killdeer nest, 2 Humming Bird nests.
Displaced wildlife	N		
Onsite traffic speed limit 15 mph	Y		10 mph in construction zone.
Pre-construction surveys (nesting birds and bats)	Y		

Items Requiring Action/Follow-up

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**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	
03/23/2017	Thursday	Mark Smith / Butier Engineering			AES / BEI / GSD	
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility am / pm	Weather Comment am / pm	
53 / 65	69 / 42	7 / 13	No	20mi / 20+mi	clear cool dry early warm by mid morning / warm	

Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173. After you have contacted the DB, 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		
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		
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y		
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		
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		
No firearms or weapons are onsite.	Y		NONE OBSERVED
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y		
Pesticide management in accordance with standard best management practices (BMPs).	Y		
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y		3 buffer zones, BUOW, Killdeer, 2-Humbird,
Displaced wildlife	Y		predator disturbed Killdeer nest, Raven
Onsite traffic speed limit 15 mph	Y		10mph IN CONSTRUCTION ZONE
Pre-construction surveys (nesting birds and bats)	Y		COMPLETED

Items Requiring Action/Follow-up

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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	
03/24/2017	Friday	Joe'd Cook/Butier			AES/GSD/Kiewit	
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment	
54/64	63/76	2/12	N	10.0	Sunny	

Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173. After you have contacted the DB, 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		
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		
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y		
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		
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		
No firearms or weapons are onsite.	Y		None observed.
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y		
Pesticide management in accordance with standard best management practices (BMPs).	Y		
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y		1-Owl, 2 Humming Bird nests.
Displaced wildlife	N		
Onsite traffic speed limit 15 mph	Y		10 mph in construction zone.
Pre-construction surveys (nesting birds and bats)	Y		

Items Requiring Action/Follow-up

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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
03/27/2017	Friday	Joe'd Cook/Butier			AES/GSD/Kiewit
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment
51/67	82/48	3/17	N	10.0	Partly cloudy

Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173. After you have contacted the DB, 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		
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		
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y		
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		
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		
No firearms or weapons are onsite.	Y		None observed.
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y		
Pesticide management in accordance with standard best management practices (BMPs).	Y		
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y		3 buffer zones, 1 BUOW, 2 HUBI
Displaced wildlife	N		
Onsite traffic speed limit 15 mph	Y		10 mph in construction zone.
Pre-construction surveys (nesting birds and bats)	Y		Completed

Items Requiring Action/Follow-up

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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	
03/28/2017	Tuesday	Joe'd Cook/Butier			AES/GSD/Kiewit	
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment	
51/70	61/70	1/13	N	10.0	Sunny	

Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173. After you have contacted the DB, 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		
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		
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y		
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		
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		
No firearms or weapons are onsite.	Y		None observed.
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y		
Pesticide management in accordance with standard best management practices (BMPs).	Y		
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y		3 buffer zones, 1 BUOW, 2 HUBI
Displaced wildlife	N		
Onsite traffic speed limit 15 mph	Y		10 mph in construction zone.
Pre-construction surveys (nesting birds and bats)	Y		Completed

Items Requiring Action/Follow-up

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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	
03/29/2017	Wednesday	Joe'd Cook/Butier			AES/GSD/Kiewit	
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment	
53/78	61/74	2/11	N	10.0	Sunny	

Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173. After you have contacted the DB, 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		
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		
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y		
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		
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		
No firearms or weapons are onsite.	Y		None observed.
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y		
Pesticide management in accordance with standard best management practices (BMPs).	Y		
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y		3 buffer zones, 1 BUOW, 2 HUBI
Displaced wildlife	N		
Onsite traffic speed limit 15 mph	Y		10 mph in construction zone.
Pre-construction surveys (nesting birds and bats)	Y		Completed

Items Requiring Action/Follow-up

BUOW- Has not been seen since Monday 3-27-17
First sign of back HUBI's babies.

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	
03/30/2017	Thursday	Joe'd Cook/Butier			AES/GSD/Kiewit	
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment	
52/68	61/63	3/17	N	9.0	Sunny	

Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173. After you have contacted the DB, 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		
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		
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y		
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		
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		
No firearms or weapons are onsite.	Y		None observed.
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y		
Pesticide management in accordance with standard best management practices (BMPs).	Y		
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y		3 buffer zones, 1 BUOW, 2 HUBI
Displaced wildlife	N		
Onsite traffic speed limit 15 mph	Y		10 mph in construction zone.
Pre-construction surveys (nesting birds and bats)	Y		Completed

Items Requiring Action/Follow-up

BUOW- Has not been seen since Monday 3-27-17

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	
03/31/2017	Friday	Joe'd Cook/Butier			AES/GSD/Kiewit	
Temperature (°F) am/pm	Humidity (%) am/pm	Wind (mph) am/pm	Precipitation (Y/N, amount)	Visibility	Weather Comment	
51/67	61/63	1020	N	10.0	Sunny	

Reminder: If nesting birds, dead and/or injured wildlife have been identified, please contact Melissa Fowler/Designated Biologist (DB) at (714) 768-1173. After you have contacted the DB, 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		
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		
No spoils are stockpiled adjacent to the southeastern fence line (purpose: to minimize potential for spoils to enter into adjacent wetlands).	Y		
Soil bonding and weighting agents used on unpaved surfaces are non-toxic to wildlife and plants.	Y		
Water applied to dirt roads and construction areas is appropriate to avoid puddles from forming onsite.	Y		
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		
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		
No firearms or weapons are onsite.	Y		None observed.
Use only weed-free straw, hay bales, and seed for erosion control and sediment barrier installations.	Y		
Pesticide management in accordance with standard best management practices (BMPs).	Y		
Exclusion Zones (e.g., no-disturbance buffer for active nests)	Y		3 buffer zones, 1 BUOW, 2 HUBI
Displaced wildlife	N		
Onsite traffic speed limit 15 mph	Y		10 mph in construction zone.
Pre-construction surveys (nesting birds and bats)	Y		Completed

Items Requiring Action/Follow-up

BUOW- Has not been seen since Monday 3-27-17

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)	
March 2, 2017		Melissa Fowler			08:00-15:15	
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment	
76	15	9	N	Good (10.0 mi)	10% cloud cover	
Location(s) of Work Site Activities Monitored						
AES HBEP Limited Notice to Proceed (LNTN) project disturbance area and portions of the Huntington Beach Generating Station (HBGS).						
Summary of Biological Resources Monitoring Observations						
<p>The biologist conducted a biological resources monitoring survey for biological constraints, special-status species, and nesting birds on the AES LNTN project site and the HBGS.</p> <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> • The killdeer (<i>Charadrius montanus</i>) nest remains active and the 25-foot no-disturbance buffer remains in place. • In addition, paired house finches (<i>Haemorrhous mexicanus</i>) and yellow-rumped warblers (<i>Setophaga coronata</i>) were observed along the fuel oil tank perimeter. Nest building is most likely occurring. <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> • A burrowing owl (<i>Athene cunicularia</i>; California Department of Fish and Wildlife [CDFW] Species of Special Concern [SSC]; Department of the Interior, Bureau of Land Management [BLM] Sensitive [S]; and United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]) was observed within the HBGS (33.647517, -117.976986). • A monarch butterfly (<i>Danaus plexippus</i>; United States Forest Service [USFS] S) was observed flying over the LNTN site. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> • Coyote (<i>Canis latrans</i>) tracks were observed within the LNTN site. • No additional observations were noted. <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> • Litter was observed near the perimeter fence line, near the scaffolding (Photo 3). • No additional observations were noted. 						
Items Requiring Action/Follow-up						
<ul style="list-style-type: none"> • Litter removal request was submitted. 						
Wildlife Species Observed:						
<p>Allen's hummingbird (<i>Selasphorus sasin</i>), American crow (<i>Corvus brachyrhynchos</i>), Anna's hummingbird (<i>Calypte anna</i>), black phoebe (<i>Sayornis nigricans</i>), burrowing owl, house finch, killdeer, long-billed dowitcher (<i>Limnodromus scolopaceus</i>), mallard, monarch butterfly, mourning dove (<i>Zenaida macroura</i>), rock pigeon (<i>Columba livia</i>), short-billed dowitcher (<i>Limnodromus griseus</i>), turkey vulture (<i>Cathartes aura</i>), western fence lizard (<i>Sceloporus occidentalis</i>), western gull (<i>Larus occidentalis</i>), and yellow-rumped warbler.</p>						

Photo 1



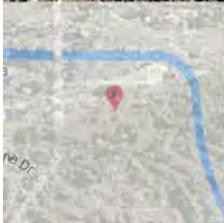
	Decimal	DMS
Latitude	33.644197	33°38'39" N
Longitude	-117.976003	117°58'33" W

16°C
61°F

2017-03-02(Thu) 08:48(AM)

Location	LNTF: Containment basin	Description	Overview of the containment basin within the LNTF boundary.
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Photo 2



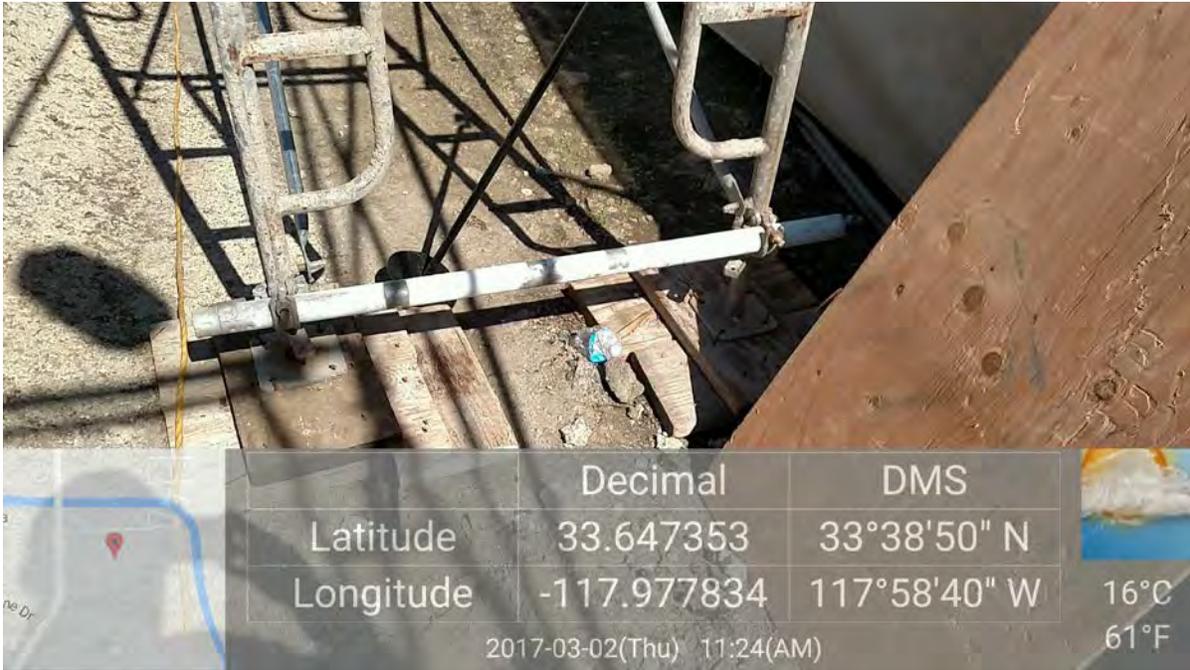
	Decimal	DMS
Latitude	33.647353	33°38'50" N
Longitude	-117.977834	117°58'40" W

16°C
61°F

2017-03-02(Thu) 08:50(AM)

Location	LNTF: Containment basin.	Description	Overview of the demolition activities within the containment basin.
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Photo 3



Location	LNTP: Fence line.	Description	Litter observed underneath the scaffolding.
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Photo 4



Location	LNTP: Perimeter fence line.	Description	Overview of the scaffolding near the perimeter fence line.
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AES Southland Development Huntington Beach Energy Project (HBEP)

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date		Monitor			Time (Begin-End)	
March 3, 2017		Melissa Fowler			07:25-12:20	
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment	
52			N	Good (10.0 mi)	0% cloud cover	
Location(s) of Work Site Activities Monitored						
AES HBEP Limited Notice to Proceed (LNTN) project disturbance area and portions of the Huntington Beach Generating Station (HBGS).						
Summary of Biological Resources Monitoring Observations						
The biologist conducted a biological resources monitoring survey for biological constraints, special-status species, and nesting birds on the AES LNTN project site and the HBGS. Nest monitoring was also conducted.						
Nesting Bird Observations:						
<ul style="list-style-type: none"> • An American kestrel (<i>Falco sparverius</i>) pair was observed perching together on a stairwell, which is located on top of the northern-most fuel oil tank within the HBGS. • In addition, paired house finches (<i>Haemorhous mexicanus</i>) and European starlings (<i>Sturnus vulgaris</i>) were observed along the fuel oil tank perimeter. Nest building is most likely occurring. • A hummingbird nest is expected to be located within the perimeter landscaping trees; however, it was not located during the monitoring event. The site will continue to be monitored. • The active killdeer (<i>Charadrius montanus</i>) nest was monitored by the Designated Biologist during pipe removal activities that were close to the 25-foot buffer. No signs of distress were observed. 						
Special-Status Species Observed:						
<ul style="list-style-type: none"> • A burrowing owl (<i>Athene cunicularia</i>; California Department of Fish and Wildlife [CDFW] Species of Special Concern [SSC]; Department of the Interior, Bureau of Land Management [BLM] Sensitive [S]; and United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]) was observed within the HBGS (33.647517, -117.976986). • A long-billed curlew (<i>Numenius americanus</i>; CDFW Watch List [WL]) was observed foraging in the Magnolia Marsh. • A monarch butterfly (<i>Danaus plexippus</i>; United States Forest Service [USFS] S) was observed flying over the LNTN site. 						
Other Biological Resources Observations:						
<ul style="list-style-type: none"> • The female mallard (<i>Anas platyrhynchos</i>) and ducklings were observed within the containment basin located immediately north of the LNTN site. • Coyote (<i>Canis latrans</i>) tracks were observed within the LNTN site. • No additional observations were noted. 						
Other Observations/Comments:						
<ul style="list-style-type: none"> • Litter was observed near the perimeter fence line, where the scaffolding was being erected. • No additional observations were noted. 						
Items Requiring Action/Follow-up						
<ul style="list-style-type: none"> • A litter removal request was submitted. 						

Wildlife Species Observed:

Allen's hummingbird (*Selasphorus sasin*), American crow (*Corvus brachyrhynchos*), American kestrel, Anna's hummingbird (*Calypte anna*), black phoebe (*Sayornis nigricans*), bufflehead (*Bucephala albeola*), burrowing owl, California ground squirrel (*Spermophilus beecheyi*), European starling, Forster's tern (*Sterna forsteri*), house finch, killdeer, least sandpiper (*Calidris minutilla*), long-billed curlew, mallard, monarch butterfly, mourning dove (*Zenaida macroura*), red-tailed hawk (*Buteo jamaicensis*), rock pigeon (*Columba livia*), short-billed dowitcher (*Limnodromus griseus*), snowy egret (*Egretta thula*), western fence lizard (*Sceloporus occidentalis*), western gull (*Larus occidentalis*), and yellow-rumped warbler (*Setophaga coronata*).

Photo 1



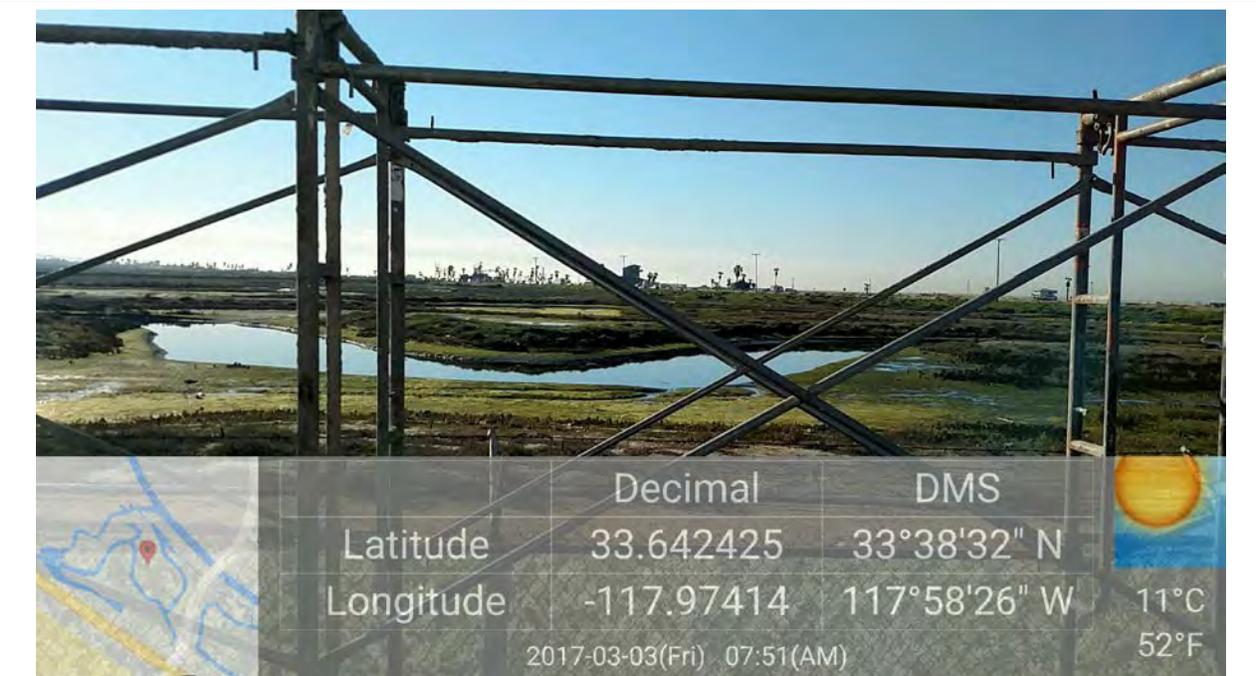
Location	LNTP: Containment basin	Description	Overview of the containment basin within the LNTP boundary.
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Photo 2



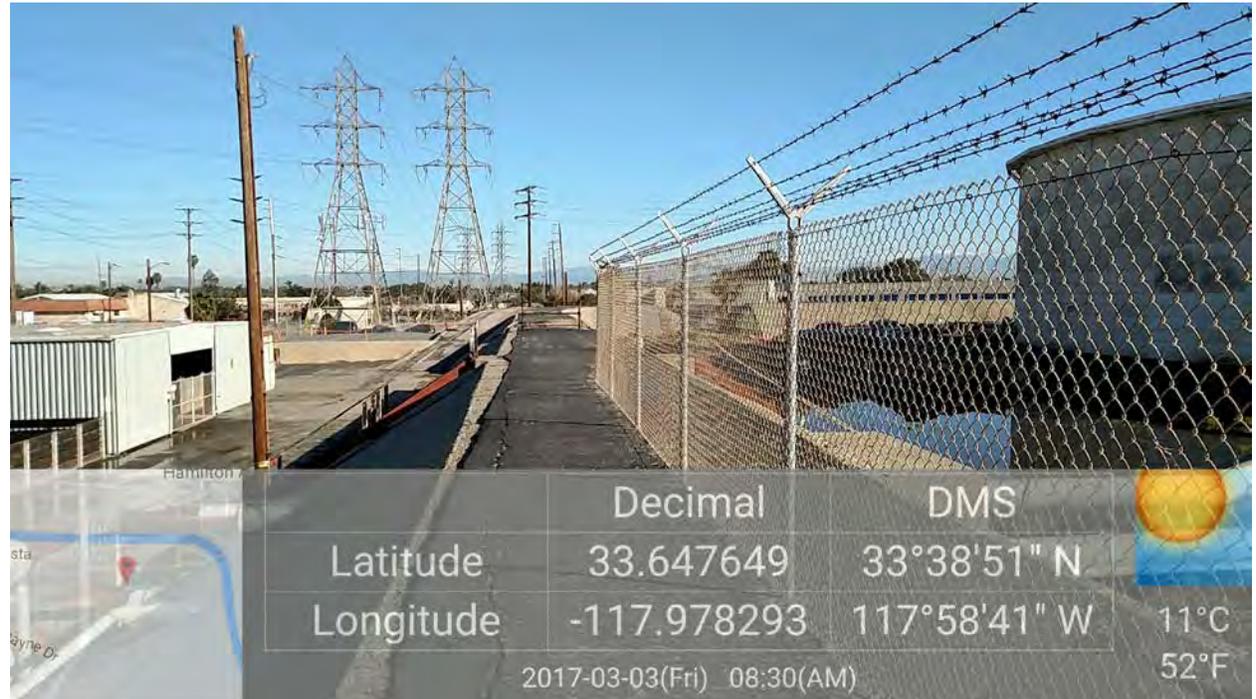
Location	LNTP: Killdeer nest within the containment basin.	Description	Overview of the killdeer nest no-disturbance buffer.
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Photo 3



Location	LNTP: Fence line.	Description	Overview of the Magnolia Marsh from the perimeter fence line.
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Photo 4



Location	HBGS: Northwestern fuel oil tank containment basin.	Description	An overview of the individual burrowing owl burrow location, which is located on the northern side of the cut within the berm. A 100-foot buffer was established on January 31, 2017 (the photograph was taken from outside of the buffer zone).
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AES Southland Development Huntington Beach Energy Project (HBEP)

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date		Monitor			Time (Begin-End)	
March 6, 2017		Melissa Fowler			07:30-12:30	
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment	
48	70	1	N	Good (10.0 mi)		
Location(s) of Work Site Activities Monitored						
AES HBEP Limited Notice to Proceed (LNTP) project disturbance area and portions of the Huntington Beach Generating Station (HBGS).						
Summary of Biological Resources Monitoring Observations						
The biologist conducted a biological resources monitoring survey for biological constraints, special-status species, and nesting birds on the AES LNTP project site and the HBGS. Nest monitoring was also conducted.						
Nesting Bird Observations:						
<ul style="list-style-type: none"> • An American kestrel (<i>Falco sparverius</i>) female was observed perching on a stairwell, which is located on top of the northern-most fuel oil tank within the HBGS. A nest or potential nest is suspected to be in the vicinity. • In addition, paired house finches (<i>Haemorhous mexicanus</i>) and European starlings (<i>Sturnus vulgaris</i>) were observed along the fuel oil tank perimeter. Nest building is most likely occurring. • Two hummingbird nests are expected to be located within the perimeter landscaping trees; however, it was not located during the monitoring event. The site will continue to be monitored. • The killdeer (<i>Charadrius montanus</i>) nest remains active; the 25-foot no-disturbance buffer remains in place. 						
Special-Status Species Observed:						
<ul style="list-style-type: none"> • A sharp-shinned hawk (<i>Accipiter striatus</i>; California Department of Fish and Wildlife [CDFW] Watch List [WL]) was observed within the perimeter landscaping trees. • A great egret (<i>Ardea alba</i>; California Department of Forestry [CDF] Sensitive [S]) was observed foraging in Magnolia Marsh. • A great blue heron (<i>Ardea herodias</i>; CDF S) was observed foraging in Magnolia Marsh. • A burrowing owl (<i>Athene cunicularia</i>; CDFW Species of Special Concern [SSC]; Department of the Interior, Bureau of Land Management [BLM] S; and United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]) was observed within the HBGS (33.647517, -117.976986). 						
Other Biological Resources Observations:						
<ul style="list-style-type: none"> • The mallard (<i>Anas platyrhynchos</i>) ducklings were observed within the containment basin located immediately north of the LNTP site. • No additional observations were noted. 						
Other Observations/Comments:						
<ul style="list-style-type: none"> • No additional observations were noted. 						
Items Requiring Action/Follow-up						
<ul style="list-style-type: none"> • None. 						
Wildlife Species Observed:						
Allen's hummingbird (<i>Selasphorus sasin</i>), American crow (<i>Corvus brachyrhynchos</i>), American kestrel, Anna's hummingbird (<i>Calypte anna</i>), Bewick's wren (<i>Thryomanes bewickii</i>), black phoebe (<i>Sayornis nigricans</i>), blue-gray gnatcatcher (<i>Poliptila caerulea</i>), bufflehead (<i>Bucephala albeola</i>), burrowing owl, California ground squirrel (<i>Spermophilus beecheyi</i>), European starling, great blue heron, great egret, house finch, house sparrow (<i>Passer domesticus</i>), killdeer, mallard, mourning dove (<i>Zenaida macroura</i>), pied-billed grebe (<i>Podilymbus podiceps</i>), rock pigeon (<i>Columba livia</i>), Say's phoebe (<i>Sayornis saya</i>), sharp-						

shinned hawk, short-billed dowitcher (*Limnodromus griseus*), turkey vulture (*Cathartes aura*), western fence lizard (*Sceloporus occidentalis*), western gull (*Larus occidentalis*), and yellow-rumped warbler (*Setophaga coronata*).

Photo 1



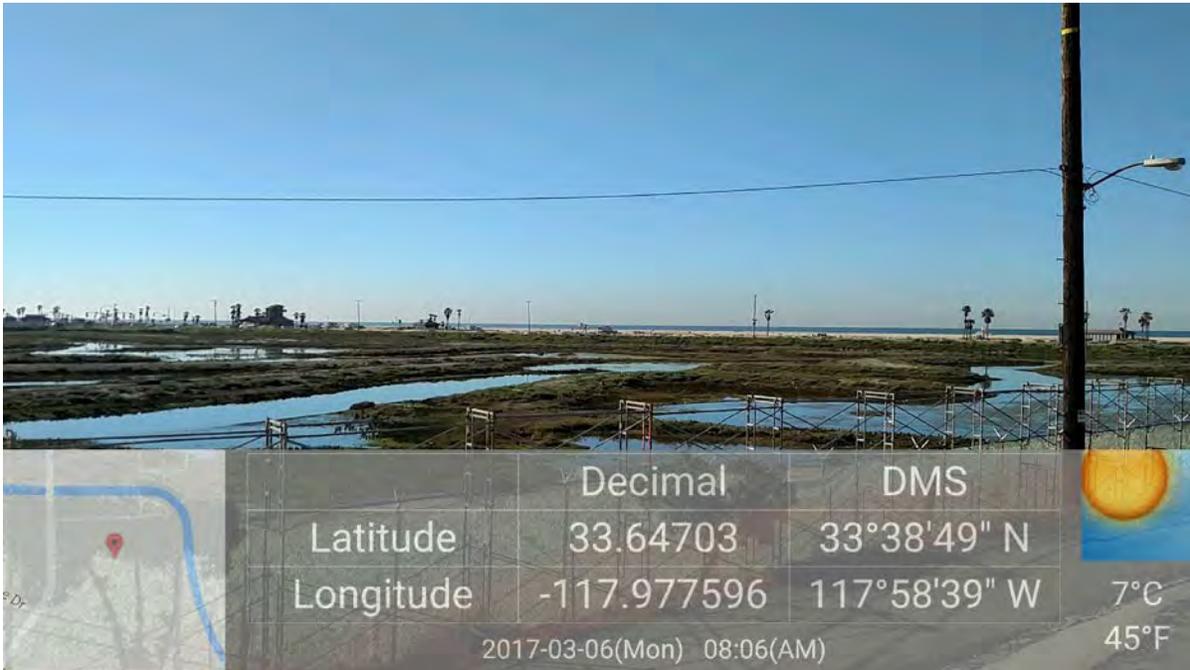
Location	LNTP: Containment basin	Description	Overview of the containment basin within the LNTP boundary.
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Photo 2



Location	LNTP: Killdeer nest within the containment basin.	Description	Overview of the killdeer nest no-disturbance buffer.
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Photo 3



Location	LNTP: Fence line.	Description	Overview of the Magnolia Marsh from the containment basin berm.
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Photo 4



Location	LNTP site	Description	An overview of the LNTP site.
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AES Southland Development Huntington Beach Energy Project (HBEP)

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date		Monitor			Time (Begin-End)	
March 9, 2017		Melissa Fowler			08:30-13:15	
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment	
48	70	1	N	Good (10.0 mi)		
Location(s) of Work Site Activities Monitored						
AES HBEP Limited Notice to Proceed (LNTF) project disturbance area and portions of the Huntington Beach Generating Station (HBGS).						
Summary of Biological Resources Monitoring Observations						
The biologist conducted a biological resources monitoring survey for biological constraints, special-status species, and nesting birds on the AES LNTF project site and the HBGS. Nest monitoring was also conducted.						
Nesting Bird Observations:						
<ul style="list-style-type: none"> • The killdeer (<i>Charadrius montanus</i>) nest remains active; the 25-foot no-disturbance buffer remains in place (Photo 2). • An active Anna's hummingbird (<i>Calypte anna</i>) nest was located and a 25-foot no-disturbance buffer was established (Photo 3). 						
Special-Status Species Observed:						
<ul style="list-style-type: none"> • A burrowing owl (<i>Athene cunicularia</i>; California Department of Fish and Wildlife [CDFW] Species of Special Concern [SSC]; Department of the Interior, Bureau of Land Management [BLM] Sensitive [S]; and United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]) was observed within the HBGS (33.647517, -117.976986). • A great blue heron (<i>Ardea herodias</i>; California Department of Forestry [CDF] Sensitive [S]) was observed foraging in Magnolia Marsh. • Double-crested cormorants (<i>Phalacrocorax auritus</i>; CDFW Watch List [WL]) were observed foraging in Magnolia Marsh. 						
Other Biological Resources Observations:						
<ul style="list-style-type: none"> • The female mallard (<i>Anas platyrhynchos</i>) and four ducklings were observed within the containment basin located immediately north of the LNTF site. • No additional observations were noted. 						
Other Observations/Comments:						
<ul style="list-style-type: none"> • No additional observations were noted. 						
Items Requiring Action/Follow-up						
<ul style="list-style-type: none"> • None. 						
Wildlife Species Observed:						
American crow (<i>Corvus brachyrhynchos</i>), American kestrel (<i>Falco sparverius</i>), Anna's hummingbird, black phoebe (<i>Sayornis nigricans</i>), bufflehead (<i>Bucephala albeola</i>), burrowing owl, California ground squirrel (<i>Spermophilus beecheyi</i>), common raven (<i>Corvus corax</i>), double-crested cormorant, great blue heron, Heermann's gull (<i>Larus heermanni</i>), house finch, killdeer, mallard, mourning dove (<i>Zenaida macroura</i>), rock pigeon (<i>Columba livia</i>), western fence lizard (<i>Sceloporus occidentalis</i>), western gull (<i>Larus occidentalis</i>), and yellow-rumped warbler (<i>Setophaga coronata</i>).						

Photo 1



Location	LNTP: Containment basin	Description	Overview of the containment basin within the LNTP boundary.
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Photo 2



Location	LNTP: Killdeer nest within the containment basin.	Description	Overview of the killdeer nest no-disturbance buffer.
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Photo 3



Location	LNTP: Fence line.	Description	Overview of the Anna's humming nest 25-foot no-disturbance buffer.
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Photo 4



Location	LNTP site	Description	An overview of the LNTP site.
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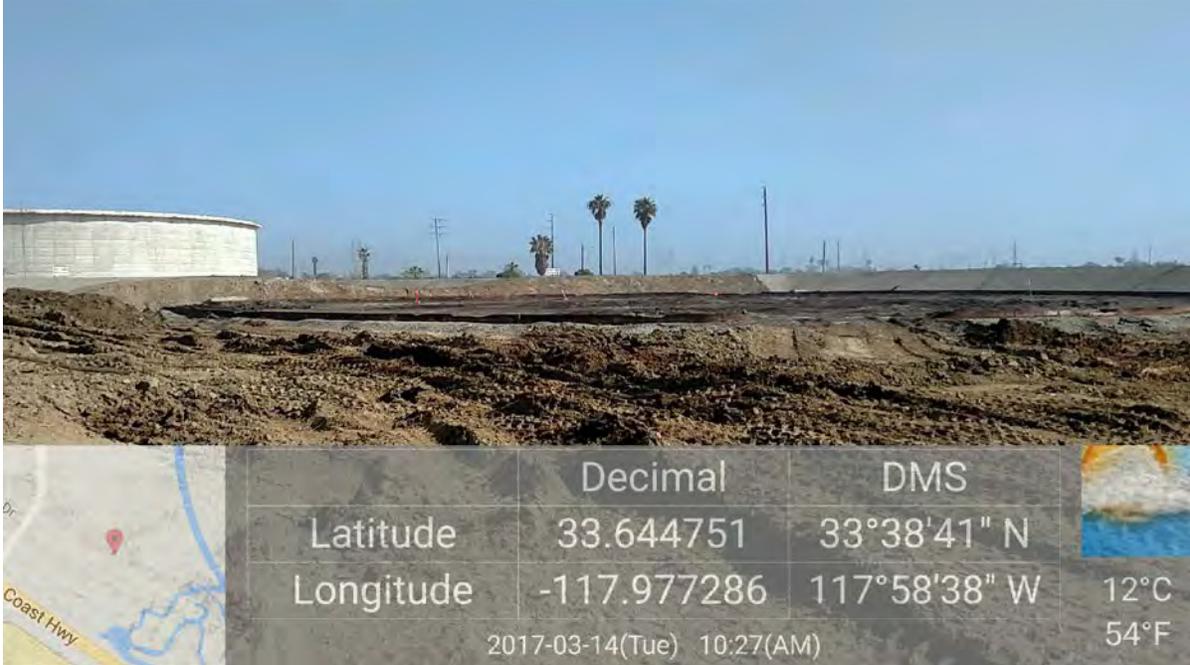
AES Southland Development Huntington Beach Energy Project (HBEP)

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date	Monitor				Time (Begin-End)
March 14, 2017	Melissa Fowler				09:30-15:30
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment
57	96	0	N	Poor (1.0 mi)	100% cloud cover/fog
Location(s) of Work Site Activities Monitored					
AES HBEP Limited Notice to Proceed (LNTP) project disturbance area and portions of the Huntington Beach Generating Station (HBGS).					
Summary of Biological Resources Monitoring Observations					
The biologist conducted a biological resources monitoring survey for biological constraints, special-status species, and nesting birds on the AES LNTP project site and the HBGS. Nest monitoring was also conducted.					
Nesting Bird Observations:					
<ul style="list-style-type: none"> • The killdeer (<i>Charadrius montanus</i>) nest remains active; the 25-foot no-disturbance buffer remains in place (Photo 2). • The Anna's hummingbird (<i>Calypte anna</i>) nest remains active; the 25-foot no-disturbance buffer remains in place (Photo 3). • European starling (<i>Sturnus vulgaris</i>) nesting behavior was observed within the HBGS northern-most fuel oil tank. • Additional killdeer nesting behavior was observed within the HBGS, but no nest was established. 					
Special-Status Species Observed:					
<ul style="list-style-type: none"> • A burrowing owl (<i>Athene cunicularia</i>; California Department of Fish and Wildlife [CDFW] Species of Special Concern [SSC]; Department of the Interior, Bureau of Land Management [BLM] Sensitive [S]; and United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]) was observed within the HBGS (33.647517, -117.976986). • A great blue heron (<i>Ardea herodias</i>; California Department of Forestry [CDF] Sensitive [S]) was observed foraging in Magnolia Marsh. • A peregrine falcon (<i>Falco peregrinus</i>; USFWS BCC; CDFW Fully Protected [FP]) was observed flying in the vicinity of Magnolia Marsh. 					
Other Biological Resources Observations:					
<ul style="list-style-type: none"> • The female mallard (<i>Anas platyrhynchos</i>) and ducklings were not observed within the containment basin located immediately north of the LNTP site. • Four juvenile desert cottontails (<i>Sylvilagus audubonii</i>) were found within the asbestos abatement removal area. The Designated Biologist took the juvenile desert cottontails to the Wetlands & Wildlife Care Center. • The scaffolding and visual screening vertical extensions are limiting the view of the Magnolia and Upper Magnolia Marshes. • No additional observations were noted. 					
Other Observations/Comments:					
<ul style="list-style-type: none"> • No additional observations were noted. 					
Items Requiring Action/Follow-up					
<ul style="list-style-type: none"> • None. 					
Wildlife Species Observed:					

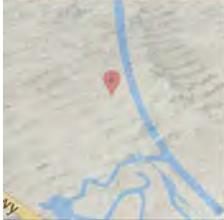
American crow (*Corvus brachyrhynchos*), American kestrel (*Falco sparverius*), Anna's hummingbird, belted kingfisher (*Megaceryle alcyon*), Bewick's wren (*Thryomanes bewicjii*), black phoebe (*Sayornis nigricans*), blue-gray gnatcatcher (*Poliophtila caerulea*), burrowing owl, California ground squirrel (*Spermophilus beecheyi*), Canada goose (*Branta canadensis*), desert cottontail, European starling, great blue heron, house finch, house sparrow (*Passer domesticus*), killdeer, mallard, mourning dove (*Zenaida macroura*), peregrine falcon, rock pigeon (*Columba livia*), snowy egret (*Egretta thula*), western fence lizard (*Sceloporus occidentalis*), white-throated swift (*Aeronautes saxatalis*), and yellow-rumped warbler (*Setophaga coronata*).

Photo 1



Location	LNTP: Containment basin	Description	Overview of the containment basin within the LNTP boundary.
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Photo 2



	Decimal	DMS
Latitude	33.645531	33°38'43" N
Longitude	-117.975595	117°58'32" W

12°C
54°F

2017-03-14(Tue) 10:33(AM)

Location	LNTP: Killdeer nest within the containment basin.	Description	Overview of the killdeer nest no-disturbance buffer.
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Photo 3



	Decimal	DMS
Latitude	33.64381	33°38'37" N
Longitude	-117.977111	117°58'37" W

15°C
59°F

2017-03-16(Thu) 10:02(AM)

Location	LNTP: Fence line.	Description	Overview of the Anna's humming nest 25-foot no-disturbance buffer.
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Photo 4





Location	LNTP site	Description	Four juvenile desert cottontails were found within the asbestos abatement tent. The juveniles were taken to the Wetlands & Wildlife Care Center.
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AES Southland Development Huntington Beach Energy Project (HBEP)

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date		Monitor			Time (Begin-End)	
March 16, 2017		Melissa Fowler			09:20-12:50	
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment	
61	83	5	N	Moderate (6.0 mi)	50% cloud cover	
Location(s) of Work Site Activities Monitored						
AES HBEP Limited Notice to Proceed (LNTF) project disturbance area and portions of the Huntington Beach Generating Station (HBGS).						
Summary of Biological Resources Monitoring Observations						
<p>The biologist conducted a biological resources monitoring survey for biological constraints, special-status species, and nesting birds on the AES LNTF project site and the HBGS. Nest monitoring was also conducted.</p> <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> The killdeer (<i>Charadrius montanus</i>) nest remains active; the 25-foot no-disturbance buffer remains in place (Photo 2). The Anna's hummingbird (<i>Calypte anna</i>) nest remains active; the 25-foot no-disturbance buffer remains in place (Photo 3). House finch (<i>Haemorhous mexicanus</i>) pairs were observed nest building within the northernmost fuel oil tank within the HBGS. <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> A burrowing owl (<i>Athene cunicularia</i>; California Department of Fish and Wildlife [CDFW] Species of Special Concern [SSC]; Department of the Interior, Bureau of Land Management [BLM] Sensitive [S]; and United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]) was observed within the HBGS (33.647517, -117.976986). A great egret (<i>Ardea alba</i>; California Department of Forestry [CDF] Sensitive [S]) was observed flying over the LNTF site. A great blue heron (<i>Ardea herodias</i>; California Department of Forestry [CDF] S) was observed foraging in Magnolia Marsh. A long-billed curlew (<i>Numenius americanus</i>; CDFW Watch List [WL]) was observed foraging in Magnolia Marsh. An osprey (<i>Pandion haliaetus</i>; CDFW WL) was observed flying over Magnolia Marsh. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> The female mallard (<i>Anas platyrhynchos</i>) and six ducklings were observed within the containment basin located immediately north of the LNTF site. Some of the straw wattles along the site perimeter have been ripped by wildlife onsite, presumably to acquire nesting material (Photo 4). No additional observations were noted. <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> Litter was observed within the LNTF boundary and a clean-up request was submitted. No additional observations were noted. 						
Items Requiring Action/Follow-up						
<ul style="list-style-type: none"> Litter removal is required onsite. 						

Wildlife Species Observed:

Allen's hummingbird (*Selasphorus sasin*), American crow (*Corvus brachyrhynchos*), American kestrel (*Falco sparverius*), Anna's hummingbird, burrowing owl, California ground squirrel (*Spermophilus beecheyi*), great blue heron, great egret, house finch, long-billed curlew, long-billed dowitcher (*Limnodromus scolopaceus*), mallard, mourning dove (*Zenaida macroura*), osprey, snowy egret (*Egretta thula*), rock pigeon (*Columba livia*), western fence lizard (*Sceloporus occidentalis*), western gull (*Larus occidentalis*), western sandpiper (*Calidris mauri*), and yellow-rumped warbler (*Setophaga coronata*).

Photo 1



Location	LNTP: Containment basin	Description	Overview of the containment basin within the LNTP boundary.
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Photo 2



Location	LNTF: Killdeer nest within the containment basin.	Description	Overview of the killdeer nest no-disturbance buffer.
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Photo 3



Location	LNTF: Fence line.	Description	Overview of the Anna's humming nest 25-foot no-disturbance buffer.
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Photo 4



Location	LNTP site	Description	An overview of the LNTP site.
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AES Southland Development Huntington Beach Energy Project (HBEP)

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date	Monitor				Time (Begin-End)
March 20, 2017	Melissa Fowler				09:10-13:55
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment
60	72	5	N	Moderate (6.0 mi)	100% cloud cover
Location(s) of Work Site Activities Monitored					
AES HBEP Limited Notice to Proceed (LNTF) project disturbance area and portions of the Huntington Beach Generating Station (HBGS).					
Summary of Biological Resources Monitoring Observations					
The biologist conducted a biological resources monitoring survey for biological constraints, special-status species, and nesting birds on the AES LNTF project site and the HBGS. Nest monitoring was also conducted.					
Nesting Bird Observations:					
<ul style="list-style-type: none"> • The killdeer (<i>Charadrius montanus</i>) nest remains active; the 25-foot no-disturbance buffer remains in place (Photo 4). • The Anna's hummingbird (<i>Calypte anna</i>) nest remains active; the 25-foot no-disturbance buffer remains in place (Photo 3). • Nesting behavior was observed in house finch (<i>Haemorhous mexicanus</i>) pairs within the northernmost fuel oil tank within the HBGS. • Nesting behavior was observed in European starling (<i>Sturnus vulgaris</i>) pairs within the northernmost fuel oil tank within the HBGS. 					
Special-Status Species Observed:					
<ul style="list-style-type: none"> • A burrowing owl (<i>Athene cunicularia</i>; California Department of Fish and Wildlife [CDFW] Species of Special Concern [SSC]; Department of the Interior, Bureau of Land Management [BLM] Sensitive [S]; and United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]) was observed within the HBGS (33.647517, -117.976986). 					
Other Biological Resources Observations:					
<ul style="list-style-type: none"> • The female mallard (<i>Anas platyrhynchos</i>) and ducklings were not observed within the containment basin located immediately north of the LNTF site. • No additional observations were noted. 					
Other Observations/Comments:					
<ul style="list-style-type: none"> • No additional observations were noted. 					
Items Requiring Action/Follow-up					
<ul style="list-style-type: none"> • None. 					
Wildlife Species Observed:					
American crow (<i>Corvus brachyrhynchos</i>), American kestrel (<i>Falco sparverius</i>), American wigeon (<i>Anas americana</i>), Anna's hummingbird, bufflehead (<i>Bucephala albeola</i>), burrowing owl, California ground squirrel (<i>Spermophilus beecheyi</i>), eared grebe (<i>Podiceps nigricollis</i>), European starling, house finch, killdeer, mallard, mourning dove (<i>Zenaida macroura</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>), western fence lizard (<i>Sceloporus occidentalis</i>), western gull (<i>Larus occidentalis</i>), and yellow-rumped warbler (<i>Setophaga coronata</i>).					

Photo 1

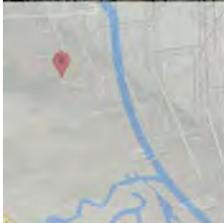


	Decimal		DMS		
	Latitude	33.646513	33°38'47" N		
Longitude	-117.976965	117°58'37" W		14°C	
2017-03-20(Mon) 09:59(AM)					57°F

Location	LNTP: Containment basin	Description	Overview of the containment basin within the LNTP boundary.
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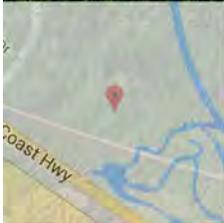
Photo 2



	Decimal		DMS		
	Latitude	33.646513	33°38'47" N		
Longitude	-117.976965	117°58'37" W		14°C	
2017-03-20(Mon) 09:59(AM)					57°F

Location	LNTP: Containment berm.	Description	Overview of the Magnolia Marsh from the containment berm within the LNTP site.
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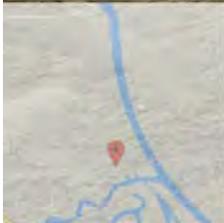
Photo 3



	Decimal	DMS	
Latitude	33.644237	33°38'39" N	14°C 57°F
Longitude	-117.977107	117°58'37" W	
2017-03-20(Mon) 09:40(AM)			

Location	LNTF: Fence line.	Description	Overview of the Anna's humming nest 25-foot no-disturbance buffer.
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Photo 4



	Decimal	DMS	
Latitude	33.644205	33°38'39" N	14°C 57°F
Longitude	-117.975242	117°58'30" W	
2017-03-20(Mon) 10:06(AM)			

Location	LNTF: Killdeer nest within the containment basin.	Description	Overview of the killdeer nest no-disturbance buffer.
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AES Southland Development Huntington Beach Energy Project (HBEP)

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date		Monitor			Time (Begin-End)	
March 21, 2017		Melissa Fowler			08:25-13:15	
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment	
60	79	4	N	Good (10.0 mi)	100% cloud cover	
Location(s) of Work Site Activities Monitored						
AES HBEP Limited Notice to Proceed (LNTP) project disturbance area and portions of the Huntington Beach Generating Station (HBGS).						
Summary of Biological Resources Monitoring Observations						
The biologist conducted a biological resources monitoring survey for biological constraints, special-status species, and nesting birds on the AES LNTP project site and the HBGS. Nest monitoring was also conducted.						
Nesting Bird Observations:						
<ul style="list-style-type: none"> • The killdeer (<i>Charadrius montanus</i>) nest remains active; the 25-foot no-disturbance buffer remains in place (Photo 2). • The Anna's hummingbird (<i>Calypte anna</i>) nest remains active; the 25-foot no-disturbance buffer remains in place (Photo 3). • An additional Anna's hummingbird nest was located along the landscape vegetation along the perimeter fence line. A 25-foot no-disturbance buffer was established (Photo 4). • Nesting behavior was observed in house finch (<i>Haemorhous mexicanus</i>) pairs within the northernmost fuel oil tank within the HBGS. • Nesting behavior was observed in European starling (<i>Sturnus vulgaris</i>) pairs within the northernmost fuel oil tank within the HBGS. 						
Special-Status Species Observed:						
<ul style="list-style-type: none"> • A burrowing owl (<i>Athene cunicularia</i>; California Department of Fish and Wildlife [CDFW] Species of Special Concern [SSC]; Department of the Interior, Bureau of Land Management [BLM] Sensitive [S]; and United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]) was observed within the HBGS (33.647517, -117.976986). • A great blue heron (<i>Ardea herodias</i>; California Department of Forestry [CDF] Sensitive [S]) was observed foraging in Magnolia Marsh. • An osprey (<i>Pandion haliaetus</i>; CDFW Watch List [WL]) was observed flying over Magnolia Marsh. 						
Other Biological Resources Observations:						
<ul style="list-style-type: none"> • The female mallard (<i>Anas platyrhynchos</i>) and ducklings were not observed within the containment basin located immediately north of the LNTP site. • No additional observations were noted. 						
Other Observations/Comments:						
<ul style="list-style-type: none"> • No additional observations were noted. 						
Items Requiring Action/Follow-up						
<ul style="list-style-type: none"> • None. 						

Wildlife Species Observed:

American crow (*Corvus brachyrhynchos*), American kestrel (*Falco sparverius*), Anna's hummingbird, burrowing owl, California ground squirrel (*Spermophilus beecheyi*), European starling, great blue heron, house finch, killdeer, mallard, mourning dove (*Zenaida macroura*), osprey, and pied-grebe (*Podilymbus podiceps*).

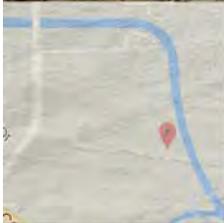
Photo 1



Location	LNTP: Containment basin	Description	Overview of the containment basin within the LNTP boundary.
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Photo 2

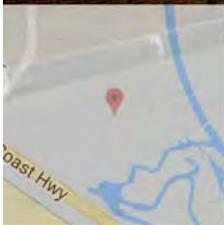


	Decimal		DMS	
	Latitude	33.645528	33°38'43" N	
Longitude	-117.975465	117°58'31" W		16°C 61°F
2017-03-21(Tue) 09:09(AM)				

Location	LNTP: Killdeer nest within the containment basin.	Description	Overview of the killdeer nest no-disturbance buffer.
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Photo 3



	Decimal		DMS	
	Latitude	33.644618	33°38'40" N	
Longitude	-117.976975	117°58'37" W		16°C 61°F
2017-03-21(Tue) 09:01(AM)				

Location	LNTP: Fence line.	Description	Overview of the Anna's humming nest 25-foot no-disturbance buffer.
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Photo 4



	Decimal	DMS	
Latitude	33.675524	33°40'31" N	16°C 61°F
Longitude	-117.883629	117°53'1" W	
2017-03-21(Tue) 11:38(AM)			

Location	LNTP: Fence line.	Description	Overview of the new Anna's humming nest 25-foot no-disturbance buffer.
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AES Southland Development Huntington Beach Energy Project (HBEP)

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date		Monitor			Time (Begin-End)	
March 24, 2017		Melissa Fowler			08:00-12:00	
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment	
54	77	3	N	Good (10.0 mi)	0% cloud cover	
Location(s) of Work Site Activities Monitored						
AES HBEP Limited Notice to Proceed (LNTF) project disturbance area and portions of the Huntington Beach Generating Station (HBGS).						
Summary of Biological Resources Monitoring Observations						
The biologist conducted a biological resources monitoring survey for biological constraints, special-status species, and nesting birds on the AES LNTF project site and the HBGS. Nest monitoring was also conducted.						
Nesting Bird Observations:						
<ul style="list-style-type: none"> • The killdeer (<i>Charadrius montanus</i>) was preyed upon by an American crow (<i>Corvus brachyrhynchos</i>) on March 23, 2017. The Designated Biologist verified the nest was no longer active and removed the buffer (Photos 2-4). • The Anna's hummingbird (<i>Calypte anna</i>) nest remains active; the 25-foot no-disturbance buffer remains in place. • The second Anna's hummingbird (<i>Calypte anna</i>) nest remains active; the 25-foot no-disturbance buffer remains in place. • Nesting behavior was observed in house finch (<i>Haemorhous mexicanus</i>) pairs within the northernmost fuel oil tank within the HBGS. 						
Special-Status Species Observed:						
<ul style="list-style-type: none"> • A burrowing owl (<i>Athene cucularia</i>; California Department of Fish and Wildlife [CDFW] Species of Special Concern [SSC]; Department of the Interior, Bureau of Land Management [BLM] Sensitive [S]; and United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]) was observed within the HBGS (33.647517, -117.976986). 						
Other Biological Resources Observations:						
<ul style="list-style-type: none"> • On March 23, 2017, I received a call at 13:00 from Joe'd Cook/AES Safety Representative. She stated that Mark Smith/Butier Engineering had shown her some pieces of collected eggs fragments from the killdeer nest. The Designated Biologist contacted Mark Smith and Josh Wynia/AES to review the potential compliance issues. When the Designated Biologist called Mark Smith, she asked him if he had encroached on the 25-foot nesting buffer and collected eggs fragments. He confirmed that he had done both activities because onsite personnel witnessed the nest being preyed on by an American crow. The Designated Biologist immediately informed him that he is not permitted to encroach any buffers or is permitted to collect egg fragments. On March 24, 2017, the Designated Biologist arrived onsite at 0800 to confirm the nest was no longer active. The nest was empty and the 25-foot buffer was removed. Josh Wynia/AES has removed Mark Smith from his daily biological resource inspections and no further corrective actions are recommended. Joe'd Cook will now be responsible for the daily inspections. • The female mallard (<i>Anas platyrhynchos</i>) and ducklings were not observed within the containment basin located immediately north of the LNTF site. • No additional observations were noted. 						
Other Observations/Comments:						
<ul style="list-style-type: none"> • No additional observations were noted. 						

Items Requiring Action/Follow-up
<ul style="list-style-type: none"> A non-compliance notification will be submitted to AES Southland Development and the California Energy Commission (CEC) Compliance Project Manager (CPM).
Wildlife Species Observed:
American crow, Anna's hummingbird, burrowing owl, house finch, mourning dove (<i>Zenaida macroura</i>), and white-throated swift (<i>Aeronautes saxatalis</i>).

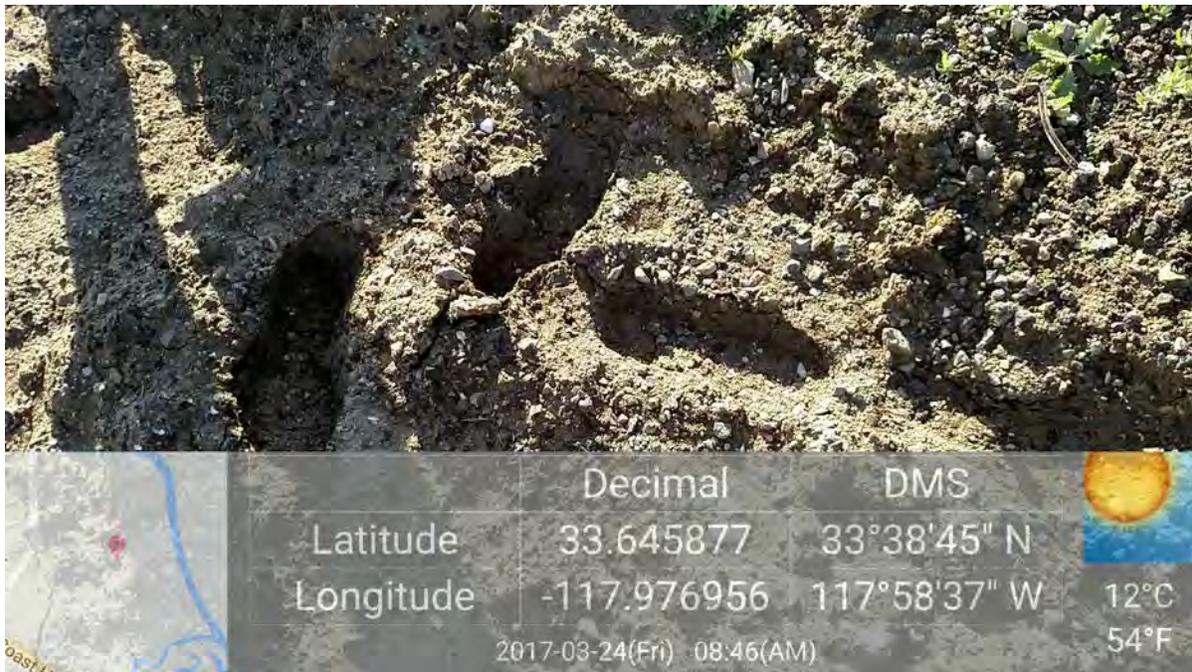
Photo 1												
												
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Decimal</th> <th>DMS</th> </tr> </thead> <tbody> <tr> <td>Latitude</td> <td>33.644747</td> <td>33°38'41" N</td> </tr> <tr> <td>Longitude</td> <td>-117.977075</td> <td>117°58'37" W</td> </tr> </tbody> </table>		Decimal	DMS	Latitude	33.644747	33°38'41" N	Longitude	-117.977075	117°58'37" W	 <p>12°C 54°F</p>	<p>2017-03-24(Fri) 08:41(AM)</p>
	Decimal	DMS										
Latitude	33.644747	33°38'41" N										
Longitude	-117.977075	117°58'37" W										
Location	LNTF: Containment basin	Description	Overview of the containment basin within the LNTF boundary.									

Photo 2



Location	LNTP: Killdeer nest within the containment basin.	Description	Overview of the killdeer nest no-disturbance buffer.
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Photo 3



Location	LNTP: Killdeer nest within the containment basin.	Description	Footprints within the killdeer no-disturbance buffer.
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Photo 4



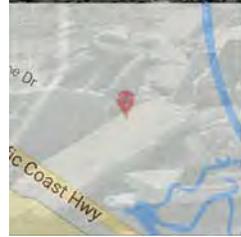
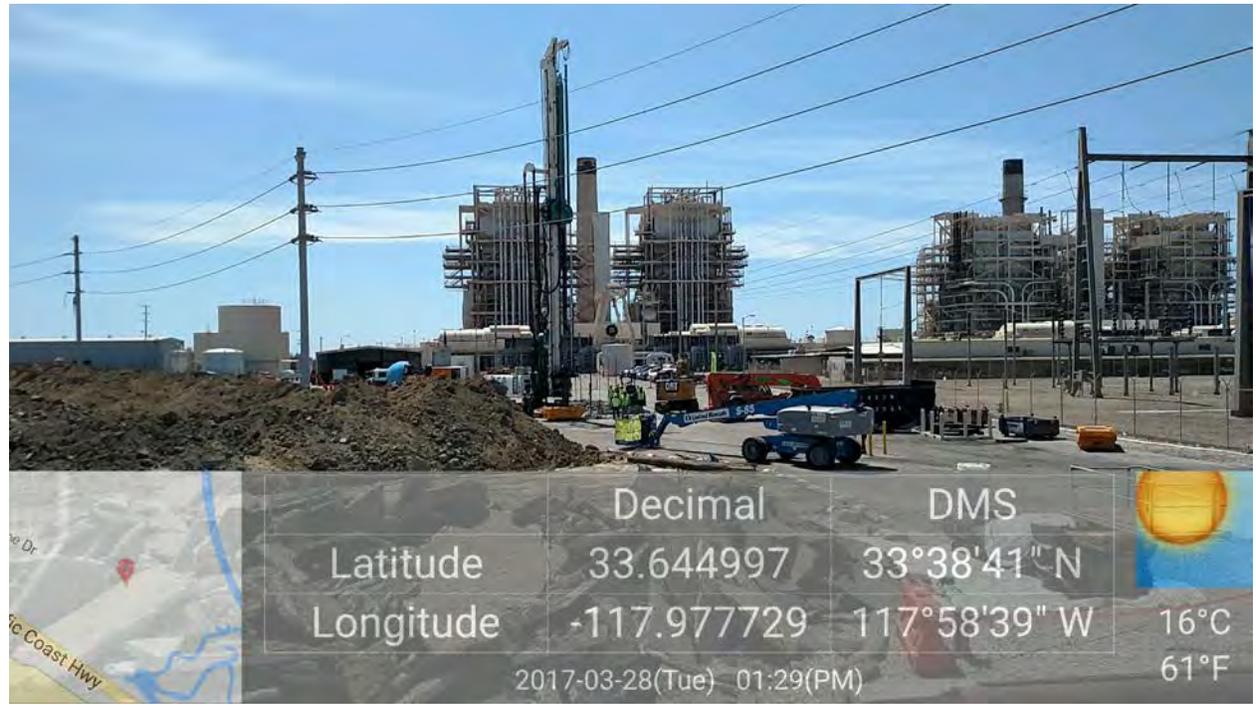
Location	LNTP: Killdeer nest within the containment basin.	Description	The empty killdeer nest; some blood is present within the nest.
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AES Southland Development Huntington Beach Energy Project (HBEP)

BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

Date	Monitor				Time (Begin-End)
March 28, 2017	Melissa Fowler				09:20-14:15
Temperature (°F)	Humidity (%)	Wind (mph)	Precipitation (Y/N, amount)	Visibility	Weather Comment
62	65	1	N	Good (10.0 mi)	0% cloud cover
Location(s) of Work Site Activities Monitored					
AES HBEP Limited Notice to Proceed (LNTF) project disturbance area and portions of the Huntington Beach Generating Station (HBGS).					
Summary of Biological Resources Monitoring Observations					
<p>The biologist conducted a biological resources monitoring survey for biological constraints, special-status species, and nesting birds on the AES LNTF project site and the HBGS. Nest monitoring was also conducted.</p> <p>Nesting Bird Observations:</p> <ul style="list-style-type: none"> • The Anna's hummingbird (<i>Calypte anna</i>) nest remains active; the 25-foot no-disturbance buffer remains in place. • The second Anna's hummingbird (<i>Calypte anna</i>) nest remains active; the 25-foot no-disturbance buffer remains in place. • Nesting behavior was observed in house finch (<i>Haemorhous mexicanus</i>) pairs within the northernmost fuel oil tank within the HBGS. • Nesting behavior was observed in European starling (<i>Sturnus vulgaris</i>) pairs within the northernmost fuel oil tank within the HBGS. <p>Special-Status Species Observed:</p> <ul style="list-style-type: none"> • The burrowing owl (<i>Athene cunicularia</i>; California Department of Fish and Wildlife [CDFW] Species of Special Concern [SSC]; Department of the Interior, Bureau of Land Management [BLM] Sensitive [S]; and United States Fish and Wildlife Service [USFWS] Birds of Conservation Concern [BCC]) was not observed within the HBGS. The burrow will be monitored for one week before the 100-foot buffer is removed. • An osprey (<i>Pandion haliaetus</i>; CDFW Watch List [WL]) pair was observed soaring over the Magnolia Marsh. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> • The female mallard (<i>Anas platyrhynchos</i>) and five ducklings were observed within the containment basin located immediately north of the LNTF site. • No additional observations were noted. <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> • No additional observations were noted. 					
Items Requiring Action/Follow-up					
<ul style="list-style-type: none"> • None. 					
Wildlife Species Observed:					
American crow (<i>Corvus brachyrhynchos</i>), Anna's hummingbird, burrowing owl, European starling, Forster's tern (<i>Sterna forsteri</i>), Heermann's gull (<i>Larus heermanni</i>), house finch, killdeer (<i>Charadrius montanus</i>), mallard, mourning dove (<i>Zenaidura macroura</i>), osprey, Say's phoebe (<i>Sayornis saya</i>), western gull (<i>Larus occidentalis</i>), and white-throated swift (<i>Aeronautes saxatalis</i>).					

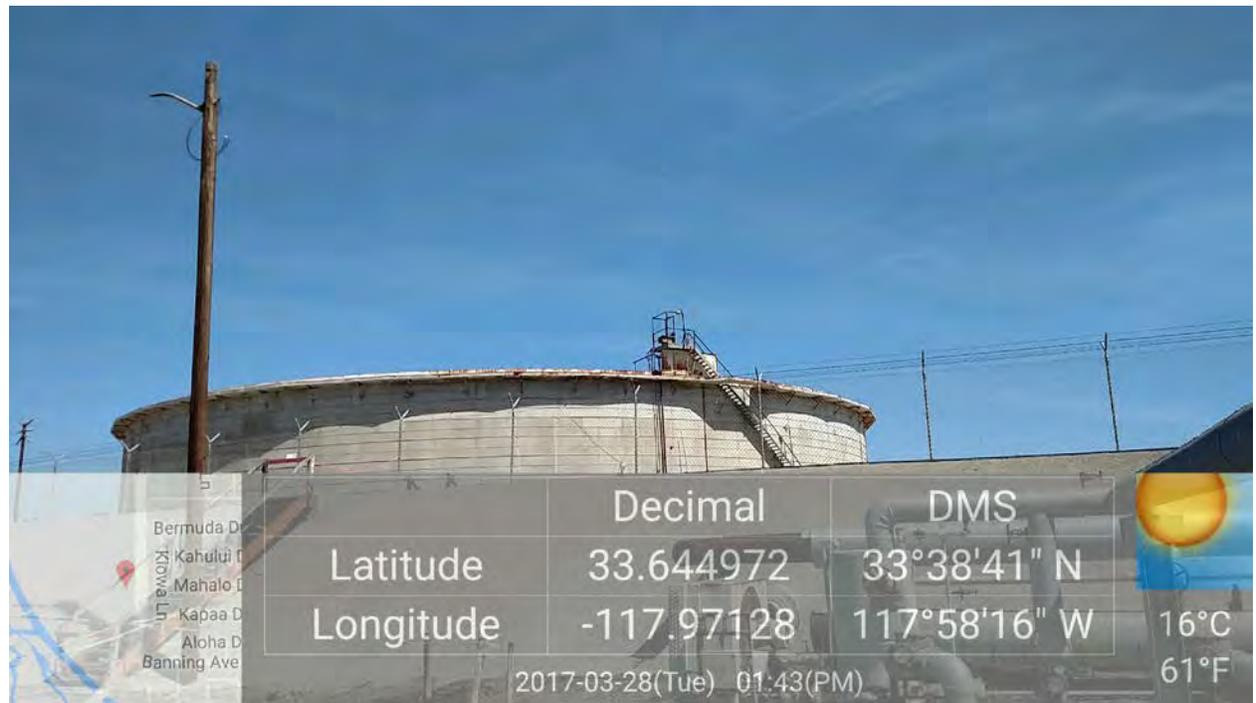
Photo 1



	Decimal	DMS	
Latitude	33.644997	33°38'41" N	
Longitude	-117.977729	117°58'39" W	16°C
	2017-03-28(Tue) 01:29(PM)		61°F

Location	LNTP site.	Description	Overview of the LNTP site.
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Photo 2



	Decimal	DMS	
Latitude	33.644972	33°38'41" N	
Longitude	-117.97128	117°58'16" W	16°C
	2017-03-28(Tue) 01:43(PM)		61°F

Location	HBGS: Northern-most containment basin.	Description	Overview of the northern-most containment basin where nesting activities are occurring.
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Photo 3



Location	LNTP: containment basin.	Description	Overview of the LNTP containment basin.
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Appendix C
Wildlife Observation Forms

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: 03-22-2017

Location of Observation: Killdeer nest buffer zone and immediately adjacent to zone 2 adult Killdeer observed near the nest buffer zone, nest is now empty.

Wildlife Species: Killdeer

Condition of wildlife: Unknown, nest may have been raided by a Raven

Adult Alive

Dead: Unknown on contents of nest

Possible cause of injury or death: Equipment operator observed a Raven on the nest.

Where is the animal currently? Adults in the area of the nest. Unknown where the contents of the nest have gone.

Is the resource in danger of Project (or other) impacts? No

Comments:

Raven on the nest report by contractor at approximately 12pm,

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; MFowler@Butier.com; Cell: (714) 768-1173

COMPANY: Butier Engineering Inc.

ADDRESS: 17782 E. 17th Street, Suite 107, Tustin Ca. 92780; Office (714) 832-7222

Appendix D
Observed Wildlife Species List

**Observed Wildlife Species List March 2017
LNTP Huntington Beach Energy Project**

Common Name	Scientific Name	Status Federal/State/Other
Birds		
Allen's hummingbird	<i>Selasphorus sasin</i>	--/--/--
American crow	<i>Corvus brachyrhynchos</i>	--/--/--
American kestrel	<i>Falco sparverius</i>	--/--/--
American wigeon	<i>Anas americana</i>	--/--/--
Anna's hummingbird	<i>Calypte anna</i>	--/--/--
Belted kingfisher	<i>Megasceryle alcyon</i>	--/--/--
Bewick's wren	<i>Thryomanes bewickii</i>	--/--/--
Black phoebe	<i>Sayornis nigricans</i>	--/--/--
Blue-gray gnatcatcher	<i>Poliophtila caerulea</i>	--/--/--
Bufflehead	<i>Bucephala albeola</i>	--/--/--
Burrowing owl	<i>Athene cunicularia</i>	BCC/SSC/BLM: S
Canada goose	<i>Branta canadensis</i>	--/--/--
Common raven	<i>Corvus corax</i>	--/--/--
Double-crested cormorant	<i>Phalacrocorax auritus</i>	--/WL/--
Eared grebe	<i>Podiceps nigricollis</i>	--/--/--
European starling	<i>Sturnus vulgaris</i>	--/--/--
Forster's tern	<i>Sterna forsteri</i>	--/--/--
Great blue heron	<i>Ardea herodias</i>	--/--/CDF: S
Great egret	<i>Ardea alba</i>	--/--/CDF: S
Heermann's gull	<i>Larus heermanni</i>	--/--/--
House finch	<i>Haemorhous mexicanus</i>	--/--/--
House sparrow	<i>Passer domesticus</i>	--/--/--
Killdeer	<i>Charadrius vociferous</i>	--/--/--
Least sandpiper	<i>Calidris minutilla</i>	--/--/--
Long-billed curlew	<i>Numenius americanus</i>	BCC/WL/--
Long-billed dowitcher	<i>Limnodromus scolopaceus</i>	--/--/--
Mallard	<i>Anas platyrhynchos</i>	--/--/--
Mourning dove	<i>Zenaida macroura</i>	--/--/--
Osprey	<i>Pandion haliaetus</i>	--/WL/--
Pied grebe	<i>Podilymbus podiceps</i>	--/--/--
Peregrine falcon	<i>Falco peregrinus</i>	BCC/FP/--
Red-tailed hawk	<i>Buteo jamaicensis</i>	--/--/--
Rock pigeon	<i>Columba livia</i>	--/--/--
Say's phoebe	<i>Sayornis saya</i>	--/--/--
Sharp-shinned hawk	<i>Accipiter striatus</i>	--/WL/--

Short-billed dowitcher	<i>Limnodromus griseus</i>	--/--/--
Snowy egret	<i>Egretta thula</i>	--/--/--
Turkey vulture	<i>Cathartes aura</i>	--/--/--
Western gull	<i>Larus occidentalis</i>	--/--/--
Western sandpiper	<i>Calidris mauri</i>	--/--/--
White-throated swift	<i>Aeronautes saxatalis</i>	--/--/--
Yellow-rumped warbler	<i>Setophaga coronata</i>	--/--/--
Invertebrates		
Monarch butterfly	<i>Danaus plexippus</i>	--/--/USFS: S
Mammals		
California ground squirrel	<i>Spermophilus beecheyi</i>	--/--/--
Desert cottontail	<i>Sylvilagus audubonii</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:

Bureau of Land Management (BLM), United States Department of Interior – Sensitive (S)

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

United States Forest Service (USFS) – Sensitive

Appendix H
Cultural Resources Monthly Summary
Report

Monthly Report of Cultural Resources Monitoring Activities for the Huntington Beach Energy Project; COC CUL-6

Prepared For: Clint Helton, Project Manager
Prepared By: Natalie Lawson, CRS
Reporting For Period: March, 2017

This report covers cultural resources monitoring activities at the Huntington Beach Energy Project for the month of March 2017, as required by the California Energy Commission and Conditions of Certification CUL-6.

Personnel Active in Cultural Monitoring This Period

CRS Natalie Lawson was onsite this month during the borehole drilling conducted by Kiewit.

Monitoring and Associated Activities This Period

Kiewit conducted drilling for pile testing during the month of March 2017.

Cultural Resources Discoveries This Period

No cultural resources were discovered during the month of March 2017.

Anticipated Work and/or Changes in the Next Period

The borehole drilling will continue into April and is expected to be concluded the first week of April.

Comments, Issues or Concerns

None to report.

Cultural Resources Monitoring Log

Project: HBEP

Date: 3-23-2017 Monitor Name: Natalie Lawson

Time in/out: 630/1545

Weather Conditions: Overcast before 10, breezy and sunny after

Hours on Site Not Worked and Reason: Generally, drilling was done in short spurts and set up took much more of the work day than the actual drilling

Work Location (Project Component): Location 2

Proximity to Cultural Resources: The closest recorded prehistoric sites, total of 2, are within a 1 mile radius and are lithic or artifact scatters.

Work Type (Machine): Drill rig, excavator (for clean up only), loader to move excavated soil to the spoils piles

Depth of Excavation: 56 feet

Observed Native Soils (Stratigraphy): Native soils were encountered below the fill and disturbed soils during the drilling; however, they did not come up in observable stratigraphy

Disturbed/Redeposited Soils: All top sediments were disturbed.

Features: None observed

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.):

None

Assessment of Significance of Any Finds? (As recommended by the CRS):

n/a

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling) and Plan for Next Work Day:

Photos
All bore holes excavated today were done so with a 18" drill bit to depths of about 56 feet. Two were completed today. It is very hard to see any deposition or layers of sediment, as the dirt removed is well mixed before it is brought up to the surface by the drilling action. Sediment appears to be a gray brown sand with some clay, as it feels supple.

Cultural Resources Monitoring Log

Project: HBEP

Date: 3-24-2017 Monitor Name: Natalie Lawson

Time in/out: 630/1430

Weather Conditions: Bright and sunny

Hours on Site Not Worked and Reason: Generally, drilling was done in short spurts and set up took much more of the work day than the actual drilling

Work Location (Project Component): Location 2

Proximity to Cultural Resources: The closest recorded prehistoric sites, total of 2, are within a 1 mile radius and are lithic or artifact scatters.

Work Type (Machine): Drill rig, excavator (for clean up only), loader to move excavated soil to the spoils piles

Depth of Excavation: 56 feet

Observed Native Soils (Stratigraphy): Native soils were encountered below the fill and disturbed soils during the drilling; however, they did not come up in observable stratigraphy

Disturbed/Redeposited Soils: All top sediments were disturbed.

Features: None observed

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.):

None

Assessment of Significance of Any Finds? (As recommended by the CRS):

n/a

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling) and Plan for Next Work Day:

Photos
All bore holes excavated today were done so with a 18" drill bit to depths of about 56 feet. Three were completed today. Sediment is fairly uniform and still a gray brown sandy sediment with some clay. There do not appear to be significant color changes. Some of the homogeneity could be due to mixing, but it really does appear to be fairly uniform. Closer examination of the spoils piles confirm the sediment is sand with clay. Marine shell is noted, but much of the area has marine shell and it is not associated with anything cultural or any soils which indicate cultural remains. The shell is associated with the imported fill. No cobbles or any other rock was found at the spoils piles.

Cultural Resources Monitoring Log

Project: HBEP

Date: 3-27-2017 Monitor Name: Natalie Lawson

Time in/out: 630/1500

Weather Conditions: Bright and sunny

Hours on Site Not Worked and Reason: Generally, drilling was done in short spurts and set up took much more of the work day than the actual drilling

Work Location (Project Component): Location 2

Proximity to Cultural Resources: The closest recorded prehistoric sites, total of 2, are within a 1 mile radius and are lithic or artifact scatters.

Work Type (Machine): Drill rig, excavator (for clean up only), loader to move excavated soil to the spoils piles

Depth of Excavation: 56 feet

Observed Native Soils (Stratigraphy): Native soils were encountered below the fill and disturbed soils during the drilling; however, they did not come up in observable stratigraphy

Disturbed/Redeposited Soils: All top sediments were disturbed.

Features: None observed

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.):

None

Assessment of Significance of Any Finds? (As recommended by the CRS):

n/a

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling) and Plan for Next Work Day:

Photos
All bore holes excavated today were done so with a 24" drill bit to depths of about 56 feet. Three were completed today. Sediment remains uniform and still a gray brown sandy sediment with some clay. One cobble was found in an auger hole today. It is not cultural.

Cultural Resources Monitoring Log

Project: HBEP

Date: 3-28-2017 Monitor Name: Natalie Lawson

Time in/out: 630/1400

Weather Conditions: Bright and sunny

Hours on Site Not Worked and Reason: Generally, drilling was done in short spurts and set up took much more of the work day than the actual drilling

Work Location (Project Component): Location 2

Proximity to Cultural Resources: The closest recorded prehistoric sites, total of 2, are within a 1 mile radius and are lithic or artifact scatters.

Work Type (Machine): Drill rig, excavator (for clean up only), loader to move excavated soil to the spoils piles

Depth of Excavation: 24 feet

Observed Native Soils (Stratigraphy): Native soils were encountered below the fill and disturbed soils during the drilling; however, they did not come up in observable stratigraphy

Disturbed/Redeposited Soils: All top sediments were disturbed.

Features: None observed

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.):

None

Assessment of Significance of Any Finds? (As recommended by the CRS):

n/a

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling) and Plan for Next Work Day:

Photos
The bore hole excavated today was done with an 18" compression bit to depths of about 24 feet. One hole was completed today. This auger compressed the soil as it drilled and almost no soil was removed from the hole. The small amount of sediment clinging to the auger was of the same type as previous holes. The CEC was onsite today. Two finches were noted around the rig.

Cultural Resources Monitoring Log

Project: HBEP

Date: 3-30-2017 Monitor Name: Natalie Lawson

Time in/out: 630/1545

Weather Conditions: Bright and sunny

Hours on Site Not Worked and Reason: Generally, drilling was done in short spurts and set up took much more of the work day than the actual drilling

Work Location (Project Component): Locations 1 and 3

Proximity to Cultural Resources: The closest recorded prehistoric sites, total of 2, are within a 1 mile radius and are lithic or artifact scatters.

Work Type (Machine): Drill rig, excavator (for clean up only), loader to move excavated soil to the spoils piles

Depth of Excavation: Location 1, 30 ft; Location 3, 23 ft

Observed Native Soils (Stratigraphy): Native soils were encountered below the fill and disturbed soils during the drilling; however, they did not come up in observable stratigraphy

Disturbed/Redeposited Soils: All top sediments were disturbed.

Features: None observed

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, and stratigraphic context.):

None

Assessment of Significance of Any Finds? (As recommended by the CRS):

n/a

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling) and Plan for Next Work Day:

Photos
The area required additional preparation in the AM to allow the rig to move between locations. A roller compressor worked at Location 3 for the AM. The first boring was an 18" compression boring done at Location 1. At approximately 20 ft, the drill hit very hard sediment. Although the attempted depth was 36 ft, the drill was stopped at 30 ft. The rig was moved to Location 3. The attempted depth was 36 ft. The drill hit hard sediment at 20 ft and stopped at 23 ft. A paleo find was made elsewhere onsite- diatomaceous earth. Due to this find, Josh W. brought out old 1954 and 1961 grading plans which showed that after the initial grading of 9 ft at the tank farm area (not 8 ft as stated in the AFC), the area was graded an additional 4 ft in 1961.

Appendix I
Paleontological Resources Monthly
Summary Report

Paleontological Monitoring and Mitigation
Huntington Beach Energy Project
PALEONTOLOGICAL RESOURCES SUMMARY REPORT

For Period: March 2017

Prepared by: W. Geoffrey Spaulding, Ph.D., Project PRS

Prime On-site Contactor: Kewitt

On-Site Management: AES

Program (if not Facility Construction): Test Pile Drilling

Paleontological Resources Specialist: W. Geoffrey Spaulding, Ph.D.

Applicable Conditions of Certification:

PAL-3: Paleontological Resources Monitoring and Mitigation Plan (PRMMP) -
The paleontological resources monitoring and reporting protocol implemented follows the approved PRMMP.

PAL-5: Worker Environmental Awareness Program (WEAP) Paleontological Resources Module-

All field personnel involved with this drilling program received the approved WEAP training, which included a paleontological resources module specifically addressing the resources that may be encountered in the project vicinity, and required measures to reduce and mitigate those potential impacts. Persons attending WEAP indoctrination are listed in Appendix F.

PAL-6: Duties of the PRS and PRM-

These duties include “...that the PRS and PRM(s) monitor, consistent with the PRMMP, all construction-related grading, excavation, trenching and drilling in areas where potential fossil bearing materials have been identified....” Paleontological resources monitoring of the Test Pile drilling program was conducted during times that ground disturbance took place.

SUMMARY

Paleontological resources monitoring of the Test Pile drilling program was conducted during the last two weeks of March. The PRM and PRS coordinated and reviewed the PRMMP prior to the beginning of the excavations.

Drilling for this program produced spoils that could not be related to specific depths below the surface, and were mixed with grout and other construction materials. Focus of monitoring was to discriminate undisturbed sediments from fill, and post-glacial sediments from Pleistocene and earlier rocks, if present. .

Consistent with the project’s littoral location, shell fragments were noted occasionally in drilling spoils. These finds were evaluated in consultation between the PRM and PRS. They are of two types: clam or similar bivalve shell fragments with a modern or recent appearance, and oyster shell fragments evidently mineralized and therefore fossils. The latter appeared dispersed in the subsurface fill, and not part of a fossil bed. Neither type of shell are considered a scientifically significant paleontological resource because they are too reduced to identify, their stratigraphic

provenance is unknown, and (in the case of the modern-appearing shell) the material is too young to be of importance to paleontological investigations.

On March 30, the PRM noted an area, determined to be within the area of potential effect to paleontological resources from this project's construction, consisting of apparently undisturbed siltstone and diatomite. Although not entirely consistent with current understanding of the project area's geology, review of site grading plans by AES confirms the potential that the area may not have been previously disturbed by construction. Because this type of Middle Tertiary marine sediment is fossiliferous at other localities, it was requested that AES arrange to have a test trench cut through that potential outcrop. That excavation would be monitored by the PRM and the materials produced examined for fossil resources. This testing will be implemented next month.

Appendix J
Visual Resources

APPENDIX INTENTIONALLY LEFT BLANK

Appendix K Worker Safety

EHS - All Observations

Project Name: HB - Owners Scope

Project Number: SLOS-HB

4/5/2017

Record No.	Category	Title	Creator Company	Creator	Observation Class	Observation Type	Priority	Status	Creation Date	End Date	Observation	Action Taken
SO-0195	Safety	02/28/17 Material Loading and Removal	AES	Joed Cook	Positive Observation	Safety/Work Procedure Conformity	High	Closed	3/2/2017	3/2/2017	All workers instructed in safe procedures for truck travel and material loading. Signs posted at intersections warning to look for trucks. All personal kept in communication through eye contact and radios. Travel ways of trucks laid out before start of operations. Worker staged at front gate to keep trucks moving continuously to prevent congestion of public roadways.	
SO-0196	Safety	03/01/17 Water Sampling	AES	Joed Cook	Positive Observation	Environmental	Low	Closed	3/6/2017	3/6/2017	Water sampling after rain to verify that the water is not contaminated before pumping water to another location.	
SO-0197	Safety	03/02/17 Inspection of New Equipment	AES	Joed Cook	Positive Observation	Mobile Equipment/Vehicle Management	Medium	Closed	3/7/2017	3/7/2017	New equipment (equipment belongs to Kewitt) arriving on site is fully inspected. All components were given a function test as well as all fluids and engine check. All test forms filled out and kept on file as per OSHA recordkeeping requirements.	
SO-0198	Safety	03/06/17 Containment of Hazardous Material	AES	Joed Cook	Positive Observation	Hazardous Material Control	High	Closed	3/8/2017	3/8/2017	Argus wrapped and labeled pipes containing asbestos to prevent exposure before pipes were moved. A containment system is being built around the pipes for complete containment for when pipe will be moved off site.	
SO-0199	Safety	03/07/17 Inspection of Skid Steer	AES	Joed Cook	Positive Observation	Mobile Equipment/Vehicle Management	Medium	Closed	3/9/2017	3/9/2017	Did a safety inspection on the Takeuchi-TL10 Skid Steer. All safety signs and labels were visible and easy to read. The safety belt and bar worked properly. Back up alarm is working. Fire extinguisher is full and attached properly to the unit.	
SO-0200	Safety	03/08/17 Safety Mtg. on Fall Protection	AES	Joed Cook	Positive Observation	Safety/Work Procedure Conformity	Medium	Closed	3/10/2017	3/10/2017	Morning safety meeting given on fall protection. Being safe on ladders and aerial work platforms. Falls are the leading cause of fatalities in the construction industry. Also, talked about everyone having the stop work authority whenever a safety hazard is seen.	
SO-0201	Safety	03/09/17 Impalement Abatement	AES	Joed Cook	Positive Observation	Slips, Trips and Falls	High	Closed	3/10/2017	3/10/2017	All exposed rebar was properly bent back to prevent an impalement hazard.	
SO-0219	Safety	Near Miss - Center bar rigging	AES	Joshua Wynia	Unsafe Act	Mobile Equipment/Vehicle Management	Medium	Closed	3/24/2017	3/24/2017	While raising the test pile center bar the tip came into contact with the side of the rotary drill head, causing it to deflect off the head. The bar was momentarily caught and when the energy was released the bar sprung from its position on the ground, causing workers to move away from the area.	A Standdown was held the next workday with the entire crew to review the Near Miss, the contributing factors, corrective measures, and critical importance of identifying unsafe conditions and reporting incidents regardless of perceived danger. □ The importance of a good Pocket JHA is that it identifies the "what ifs" of any operation was addressed with the crew. □ Center bars will be rigged closer to the end to eliminate the upper tip of the bar from coming in contact with the drill head. □ An individual will be assigned to specifically spot the center bar tip as it approaches the drill head and will give the "clear" to the operator when the bar is clear of the head. □ The center bar are also rigged using a longer tag line to get them away from the potential hazard area. □ All Rigging hazards will be detailed out on the Pocket JHA at each step of the operation.
SO-0202	Safety	03/20/2017 Guarding for Struck by Hazards	AES	Joed Cook	Positive Observation	Protective System/Barriers	High	Closed	3/29/2017	3/29/2017	Netting put around the basket of boom lift to prevent struck by hazard from falling tools. Boom lift belongs to Kiewit.	
SO-0203	Safety	03/21/2017 Power Line Warning Flags	AES	Joed Cook	Positive Observation	Signage	Medium	Closed	3/29/2017	3/29/2017	Overhead power line warning flags have been put up around the construction site as an additional reminder of a struck by hazard while working with heavy equipment in area.	
SO-0204	Safety	03/22/2017 Removal of 66kv Line Insulators	AES	Joed Cook	Positive Observation	Personal Protective Equipment	High	Closed	3/29/2017	3/29/2017	Fall protection as well as welding personal protective equipment was worn while removing insulators. Tag lines were used to lower insulators to the ground. A fire watch was kept in place for 30 minutes after hot work stopped.	

SO-0205	Safety	03/23/2017 Inspection on Excavator.	AES	Joed Cook	Positive Observation	Other	High	Closed	3/30/2017	3/30/2017	Inspection done on GSD's excavator. It's a Volvo EC480E. Cab condition overall was good, seat belt operational. Back up alarm working. All cab controls and instrument gauges working properly; all drivers have current training on file.
SO-0206	Safety	03/24/2017 New Road Markings	AES	Joed Cook	Positive Observation	Signage	Medium	Closed	3/31/2017	3/31/2017	New color coded vehicle traffic travel lines painted on roadway entering the site. Each color line takes you to a specific location on site, making it easier for vehicles to find their way.
SO-0207	Safety	03/27/2017 Protective Barriers and Tags	AES	Joed Cook	Positive Observation	Protective System/Barriers	High	Closed	3/31/2017	3/31/2017	All hazardous operations as well as equipment have barricades and tags to prevent anyone from entering area that isn't authorized.
SO-0208	Safety	03/28/2017 Inspection on Boom Lift	AES	Joed Cook	Positive Observation	Other	High	Closed	3/31/2017	3/31/2017	All extendable boom platform and components are in safe operating condition. Guardrail system and aerial ladder in good working order. All operators are qualified and trained to operate a boom lift. A pre-start inspection was carried out before using lift. Horn and backup alarm sounded.
SO-0209	Safety	03/29/2017 Removal of 66kv Power Lines	AES	Joed Cook	Positive Observation	Personal Protective Equipment	High	Closed	3/31/2017	3/31/2017	Removal of 66kv power lines from mono poles. All personal wearing required personal protective equipment. Tag lines were used when needed to keep workers from being under material being lowered to the ground. All areas barricade off to prevent entry of unauthorized personal. A fire watch was kept in place for 30 minutes after hot work was ended.
SO-0210	Safety	03/30/2017 Monthly Safety Audit	AES	Joed Cook	Positive Observation	Other	High	Closed	3/31/2017	3/31/2017	On March 30th, a monthly safety audit was conducted. Audited was the AES decontamination, decommission and demolition project.
SO-0211	Environmental	03/31/2017 Nesting Bird Prevention	AES	Joed Cook	Positive Observation	Other	High	Closed	3/31/2017	3/31/2017	To prevent birds from nesting on drilling equipment a owl was placed on the top of the boom. This appears to be working well as birds are no longer being witnessed on equipment. (Drill belongs to Kiewit)
SO-0220	Safety	First Aid - Splinter Kiewit	AES	Joshua Wynia	Unsafe Act	Personal Protective Equipment	Low	Closed	3/31/2017	3/31/2017	While replacing auger bit a small metal splinter penetrated employee's right thumb. Employee will identify specific hazards on the JHA Employees will wear proper cut level gloves



Kiewit

Incident Alert

*Near Miss Case

Date and Time: March 24, 2017 (11:30am)

District Name: Kiewit Foundations Group

Description (What happened?)

Project Name: Huntington Beach

While raising the test pile center bar the tip came into contact with the side of the rotary drill head, causing it to deflect off the head. The bar was momentarily caught and when the energy was released the bar sprung from its position on the ground, causing workers to move away from the area.

Contributing Factors (Why did the incident happen?)

- This method of using the Aux hook on the Drill Rig is considered routine. However, the crew did not notice that rotary drill head is closer to Aux line hook than it appears from the ground level.
- The center bar was rigged too low, causing the bar to come closer to the rotary drill head than anticipated.
- The rigging situation wasn't addressed in the Pocket JHA as a possible hazard.
- The operation was considered routine and workers were unaware of the possible hazard.

Corrective Measures (How can the incident be prevented in the future?)

- A Standdown was held the next workday with the entire crew to review the Near Miss, the contributing factors, corrective measures, and critical importance of identifying unsafe conditions and reporting incidents regardless of perceived danger.
- The importance of a good Pocket JHA is that it identifies the "what ifs" of any operation was addressed with the crew.
- Center bars will be rigged closer to the end to eliminate the upper tip of the bar from coming in contact with the drill head.
- An individual will be assigned to specifically spot the center bar tip as it approaches the drill head and will give the "clear" to the operator when the bar is clear of the head.
- The center bar are also rigged using a longer tag line to get them away from the potential hazard area.
- All Rigging hazards will be detailed out on the Pocket JHA at each step of the operation.



Reconstruction Photos



Center bar contacted rotary head while being positioned for placement in hole.

PLEASE CHECK ALL THAT APPLY

Cause of Injury:	<input type="checkbox"/> Debris in Eye	<input type="checkbox"/> Electrical	<input type="checkbox"/> Ergonomic	<input type="checkbox"/> Fall	<input type="checkbox"/> Lifting/Carrying
	<input type="checkbox"/> Miscellaneous	<input type="checkbox"/> Pinchpoints	<input type="checkbox"/> Slip/Trip	<input type="checkbox"/> Struck By or On	
	<input type="checkbox"/> Using Tools	X N/A			
Type of Injury:	<input type="checkbox"/> Burn	<input type="checkbox"/> Eye Injury	<input type="checkbox"/> Fracture	<input type="checkbox"/> Laceration	X N/A
	<input type="checkbox"/> Miscellaneous	<input type="checkbox"/> Puncture/Abrasion	<input type="checkbox"/> Sprain/Strain		



Craft Type:	<input type="checkbox"/> <i>Carpenter</i>	<input type="checkbox"/> <i>Foreman</i>	<input type="checkbox"/> <i>Ironworker</i>	<input type="checkbox"/> <i>Laborer</i>
	<input type="checkbox"/> <i>Mechanic</i>	<input checked="" type="checkbox"/> <i>Operator</i>	<input type="checkbox"/> <i>Pipe Fitter</i>	<input type="checkbox"/> <i>Electrician</i>
	<input type="checkbox"/> <i>Other (please specify):</i>			
Body Part Injured:	N/A		Length of Employee Service:	1 Month
Market Segment:	<input type="checkbox"/> <i>Buildings</i>	<input type="checkbox"/> <i>Heavy Civil</i>	<input checked="" type="checkbox"/> <i>Power</i>	<input type="checkbox"/> <i>Mining</i> <input type="checkbox"/> <i>Transportation</i>
	<input type="checkbox"/> <i>Oil, Gas, Chemical</i>	<input type="checkbox"/> <i>Water/Waste Water</i>	<input type="checkbox"/> <i>Other (please specify):</i>	
MASTER PRECAUTION CHECKLIST (PLEASE CHECK ALL THAT APPLY)				
People's Positions:	<input type="checkbox"/> <i>Alignment</i>	<input type="checkbox"/> <i>Over Exertion</i>	<input type="checkbox"/> <i>Line of Fire</i>	<input type="checkbox"/> <i>Over Reaching</i>
	<input type="checkbox"/> <i>Repetition</i>	<input checked="" type="checkbox"/> <i>N/A</i>		
Attention to Work:	<input checked="" type="checkbox"/> <i>Eyes on Task</i>	<input type="checkbox"/> <i>Mind on Task</i>	<input type="checkbox"/> <i>Pace</i>	<input type="checkbox"/> <i>Aware of Surroundings</i>
Communication:	<input checked="" type="checkbox"/> <i>Recognize Changes</i>	<input type="checkbox"/> <i>JHA</i>	<input type="checkbox"/> <i>Plan</i>	<input type="checkbox"/> <i>Task Coordination</i>
Using PPE:	<input type="checkbox"/> <i>Good Condition</i>	<input type="checkbox"/> <i>In Use</i>	<input type="checkbox"/> <i>Right Type</i>	<input checked="" type="checkbox"/> <i>N/A</i>
Executing Work:	<input type="checkbox"/> <i>Select Right Tool</i>	<input type="checkbox"/> <i>Follow Policies</i>	<input checked="" type="checkbox"/> <i>Work Safely</i>	<input type="checkbox"/> <i>Use Correct Access</i>
	<input type="checkbox"/> <i>Use Tool Properly</i>	<input type="checkbox"/> <i>Verify Tool is in Good Condition</i>		
Working Conditions:	<input type="checkbox"/> <i>Guards & Barriers</i>	<input type="checkbox"/> <i>Clean/Clear of Clutter</i>	<input type="checkbox"/> <i>Footing</i>	
	<input type="checkbox"/> <i>Work Plan Design</i>	<input type="checkbox"/> <i>Ambient Conditions</i>	<input type="checkbox"/> <i>Tools/Equipment Are Put Away</i>	
Other:	<input type="checkbox"/> <i>Rework</i>	<input type="checkbox"/> <i>Employee Medical Event</i>	<input type="checkbox"/> <i>Other (please specify):</i>	

* A Near Miss is a close call, an event or incident, where individuals involved were not injured but equipment and/or property damage could have resulted. Or, if not attended to could more than likely result in one or more persons being injured from its cause.





BUILD PLAN

UNDERGROUND DISTRICT

BUILDING RISK: LOW / MOD. / HIGH

PROJECT: Huntington Beach & Alamitos ACIP	DATE: 2/15/2017
OPERATION: Install and Test - Test Pile	
LOCATION: Huntington Beach and Alamitos Energy Center	
PLAN COMPLETED BY: KFG	

REVIEW AND APPROVAL (RISK)	
Sponsor:	(H)
Proj. Mgr:	(H)
Proj. Eng:	(H, M)
Supt:	(H, M, L)
Craft Supt:	(H, M, L)

PRODUCTION GOALS
(UNITS PER SHIFT, MHR/UNIT - MAKE IT EASY TO SEE IN FIELD)

GO TO WORK CHECK LIST
ALL FOLLOWING ITEMS ARE COMPLETE AND AVAILABLE
STS LIST <input type="checkbox"/>
PM LIST <input type="checkbox"/>
QUALITY CHECKLISTS <input type="checkbox"/>
ENGINEERING RISK RATINGS AND COMPLETE DESIGNS <input type="checkbox"/>
Mini JHA <input type="checkbox"/>

STEP BY STEP

HAND SKETCHES

1 Write Mini JHA each morning for day's plan		
2 Test pile locations to be surveyed and utilities located and pot holed as necessary prior to pile installation		
3 Install Test Pile per Test Location Sketch		
3A - Setup over surveyed test pile location		
3B - Advance auger to specified depth or refusal		
3C - Maintain slow positive rotation and begin injecting grout		
3D - Inject grout to fill augered hole and begin slowly withdrawing auger		
3E - Coordinate rate of grout and injection and auger withdrawal to completely fill hole		
3F - Install Reinforcement in Augered hole		
4 Set Up and Perform Tension Load Test - See attached sketch for set up		
4A - Set Junior Beams on Reaction Pile		
4B - Set Main Test Beam Across Junior Beams, Centered over Test Pile		
4C - Set Another Set of Junior Beams on Across Main Test Beam		
4D - Install Jack and Bearing Plate on Top of Main Test Beam for Tension Test		
4E - Perform Tension Load test - Use Tension Load Test Checklist/Forms while performing test		
5 Set Up and Perform Compression Load Test - See attached sketch for set up		
5A - Set Junior Beams on Reaction Pile		
5B - Set Main Test Beam Across Junior Beams, Centered over Test Pile		
5C - Set Another Set of Junior Beams on Across Main Test Beam		
5D - Install Jack and Bearing Plate on Top Test Pile		
5E - Perform Compression Load test - Use Compression Load Test Checklist/Forms while performing test		
6 Set Up and Perform Lateral Load Test - See attached sketch for set up		
6A - Install Distribution plates around test and reaction piles		
6B - Lay Junior Beam in front of reaction pile		
6C - Install Strut, Jack, and Bearing Plates		
6D - Lay Reference Beams as shown on sketch and set up dial indicator		
6E - Perform Lateral Load Test - Use Lateral Load Test Checklist/Forms while performing test		
	Attachments to Work Plan	
	A Hazard Analysis	
	B Huntington Beach Test Locations	
	C Alamitos Test Locations	
	D Installation Checklist	
	E Tension, Compression, Lateral Load Test Procedures and Forms	
	F Testing Sketches	
	G GEI Test Program	
	H STS List	
	I PM List	

REVIEW EVERY WEEK (AT A MINIMUM) FOR ALL ONGOING OPERATIONS. USE PERSONAL HAZARD RECOGNITION FORM ON A DAILY BASIS TO SUPPLEMENT THIS HAZARD ANALYSIS

OPERATION: Install and Test - Test Pile

FOREMAN: _____

DATE: 2/15/2017

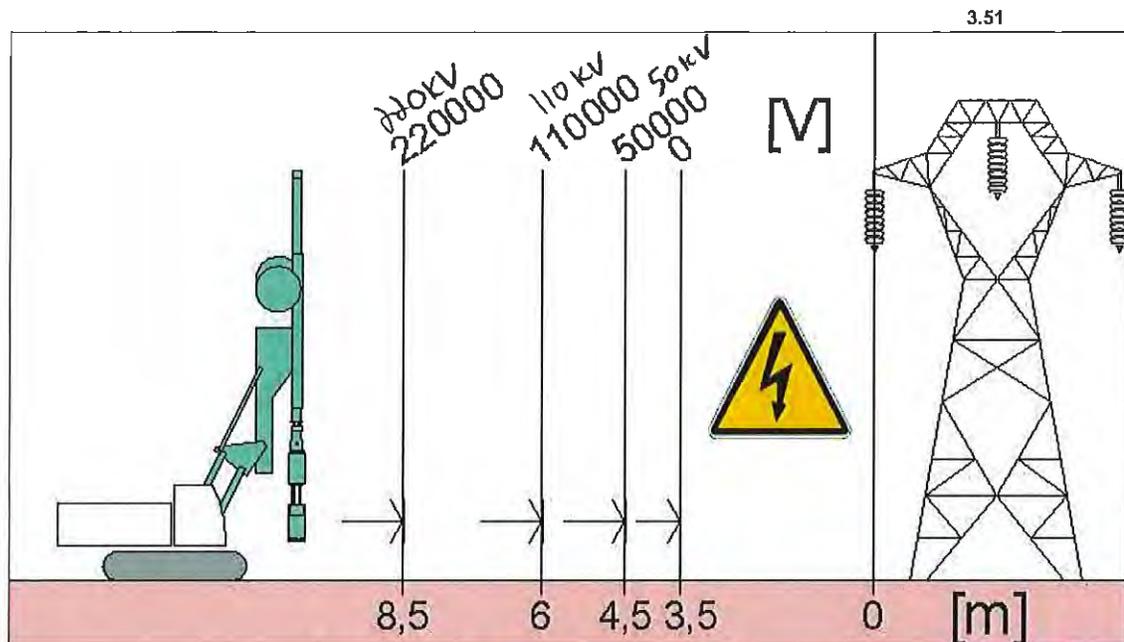
STEP ONE: Install Test Pile		STEP TWO: Set Up for Load Test		STEP THREE: Perform Load Test	
WHAT IS THE WORST THAT COULD HAPPEN?	Struck by Grout Hose Line - Stored Energy	Crushed by Load		Struck by Nut - STORED ENERGY IN JACKS	
PREVENTION PLAN (FOCUS ON BEHAVIORS)	Ensure whip checks are in place on all grout lines prior to pumping. Check connections prior to pumping	Be aware of body positioning while setting beams and jacks in place. Especially the main test beam. Be aware of and stay out of area where beam has potential to roll while setting. Keep hands and feet clear of pinch points between main and junior beams		Never stand in line with the jack during testing. Stored Energy. If nut fails it will be a bullet in line of jack. Prior to test, ensure everyone is aware that test is occurring and make sure everyone is outside of jack's line of fire.	
HOW ARE YOU MOST LIKELY TO GET HURT/HURT YOURSELF?	Crush Points	Slips, trips, falls		Struck by Hydraulic line	
PREVENTION PLAN (FOCUS ON BEHAVIORS)	Concrete Pump - Ensure pump is shut down prior any maintenance. Rig - Keep clear of auger and spoils. Many moving parts and equipment at the hole	Use ladder when needing to access Center Bar and Jacks for testing		Ensure hydraulic lines are properly secured and show no signs of wear prior to loading jack.	
OTHER RISKS TO BE AWARE OF?	Falling Spoils	Pinch Points		Other stored energy	
PREVENTION PLAN (FOCUS ON BEHAVIORS)	Stay clear from Auger during extraction. Spoils will collect on flight and fall off.	Lots of metal on metal. Beam to Beam. Jack to Beam. Bearing Plates. Make sure hands are clear of pinch points while setting up.		Ensure all load is off of jack prior to load frame disassembly	

The path and depth of underground lines and compartments must clearly be marked on the surface of the terrain.

Overhead electrical lines

If the machine will be working near overhead electrical lines, all appropriate measures must be taken to reduce the risk of electrocution, in collaboration with the local electric company. The following are the main safety measures that can be implemented:

- interruption of the electrical line for the entire duration of work;
- covering or marking off of live parts;
- compliance with safety distances. The following diagram shows the minimum safe distance from the overhead electrical line based on the nominal voltage of the line. Refer to local regulations and adhere to those should they be more restrictive.



Voltage	Min. Distance away (Casagrando)	Min. Dist. relevant CCPM
0kV	11.5 ft	★ 20 ft
50kV	15 ft	★ 20 ft
110kV	20 ft	★ 20 ft
220kV	★ 28 ft	20 ft
350-1000kV	N/A	★ 50 ft



AES Southland PJB/JSA

Work Order # _____

Date 3/20/2017

Contract Administrator (AES): Josh Wynia Emergency Phone # (714) 227-9994

Contractor/ Lead Person Rick Warner / Emergency Phone # (636) 399-4645

Unit # 5 Equipment and Location: Peaker Bldg.

SCOPE OF WORK: Test Pile Program - Mob Work Area.

Work Authorization Level:

Clearance # _____ HCP # _____ P-LOTO Approval

S.T.I.C.C: *Use this process DAILY to conduct an interactive PJB prior to starting work*

SITUATION: Verbal. Specifically describe the overall situation at your immediate jobsite and surrounding areas. How will changes affect you?

TASK/SCOPE: Verbal. What equipment is being worked on? What is your detailed scope of work? Will Scope change during job? Be specific.

INTENT/ACTION PLAN: Verbal. This is how we intend on proceeding with our job and the major steps of our action plan. REVIEW JSA.

CONCERNS: Written + verbal. Here's what we should keep our eyes on. What changes in status would concern me? Has anything changed since yesterday? List any concerns that could compromise safety. Review and document concerns daily.

Day 1: Aware of surroundings, traffic.

Day 2: Rain, wind, wet weather.

Day 3: Rain, wet surfaces, traffic.

Day 4: Windy.

Day 5: NONE

CROSSCHECK: Verbal tallboard to ensure that all parties are in agreement as to the Situation, Task/Scope, Intent/Action Plan, Concerns and any other special aspects of the job.

HAZARD IDENTIFICATION:

Slips, Trips, Falls Overhead Work Dust Hazards Vapors, Gases, Mists Noise Electrical
 Pinch Points Radiation Chemical Weather Low Lighting/Visibility
 Other(s)

PERSONAL PROTECTIVE AND SAFETY EQUIPMENT REQUIRED:

Hard Hat Safety Glasses Leather Work Boots/Shoes Nomex/FR Clothing
 Non-entry Rescue Goggles Flash Suit Gloves (type) Leather
 Hearing Protection Face Shield Slick Suit Respirator (type)
 Fall Protection Temp. Lighting Other(s)

AUTHORIZATIONS/PERMITS/PLATFORMS REQUIRED:

Hot Work Permit Required Confined Space Dive plan Excavation
 Confined Space Rescue Plan Live Line Work Equip. Test
 Scaffolding Other(s)

Have ALL workers received Site Safety Orientation? Yes No (if no, check with AES CA before proceeding)

Do ALL workers understand their **STOP WORK AUTHORITY**? Yes No (if no, check with AES CA before proceeding)

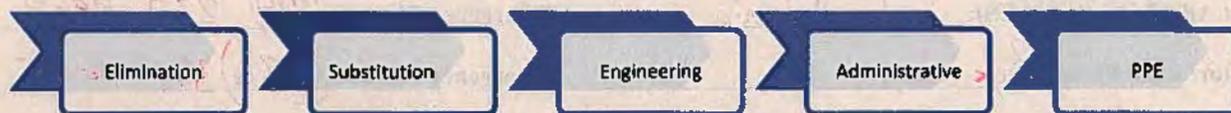
Contract Admin Review	(PRINT/SIGN)	Date/Time	Control Room Review	(PRINT/SIGN)	Date/Time
1. Jeff McClarty	<u>Jeff McClarty</u>	<u>3/20/17 7:02</u>	1. Bowman	<u>Bowman</u>	<u>3/20/17 07:07</u>
2. Jeff McClarty	<u>Jeff McClarty</u>	<u>3/21/17 6:54</u>	2. Bowman	<u>Bowman</u>	<u>3/21/17 06:55</u>
3. Jeff McClarty	<u>Jeff McClarty</u>	<u>3/22/17 6:53</u>	3. Bowman	<u>Bowman</u>	<u>3/22/17 06:55</u>
4. Jeff McClarty	<u>Jeff McClarty</u>	<u>3/23/17 6:54</u>	4. Bowman	<u>Bowman</u>	<u>3/23/17 06:55</u>
5. Jeff McClarty	<u>Jeff McClarty</u>	<u>3/24/17 7:10</u>	5. True	<u>[Signature]</u>	<u>3/24/17 07:10</u>

IN CASE OF EMERGENCY CALL THE CONTROL ROOM
1&2 (714) 374-1401

Hierarchy of Hazard Control is the systematic approach to identify the most effective method(s) to eliminate or minimize exposure to and/or consequences of hazards. Hierarchy of Hazard Controls methods from most to least effective are:

MOST EFFECTIVE

LEAST EFFECTIVE



Job Safety Analysis			
Step No.	Step Description	Potential Hazards	Hazard Mitigation
1	Review - POD Subhant	- Low light Areas	Clear Safety Glasses
2	Mob Work Area	- Moving Equipment Slip Trips and Fall	- Know the Plan - Watch the Plan
3	Move Equipment to	- Pinch Points - Access into Work Area.	- Walk down the Plan and Access into the work area.
4	Unit 5 Foundation Area Stop Equipment, safety	- Have the Correct PPE - Lifting Reaching Pulling	- Plan PPE for the work. - Move dumpsters to the Work areas.
5	Clear Up Work Area		□ Team lift, know personal limits.
6	- C-Below Scan. - Survey AS-Built	the Test Pile locations.	
7	On-Site Visitors		
8	1 - GEI 2 - Casa Grande Drill Equipment		
9	1 - Tester from Twining		
10			

I have conducted a daily PJB and reviewed the JSA with MY ENTIRE CREW prior to starting work:

Lead Person Initials: Day 1: *AW* Day 2: *AW* Day 3: *AW* Day 4: *AW* Day 5: *AW*

IN CASE OF EMERGENCY CALL THE CONTROL ROOM

1&2 (714) 374-1401

Incident Alert

First aid



Date and Time: 3-31-17 8:25am

District Name: Kiewit Power constructors

Project Name: Huntington Beach

Description (What happened?) While replacing auger bit a small metal splinter penetrated employee's right thumb. The splinter was removed cleaned and bandaged effected area and employee returned to work.

Contributing Factors (Why did the incident happen?)

- Employee didn't recognize the splinters of metal on auger
- Employee was not wearing the proper cut level gloves

Corrective Measures (How can the incident be prevented in the future?)

- Employee will identify specific hazards on the JHA
- Employees will wear proper cut level gloves

Reconstruction Photos

Please attach the incident photos prior to submitting.



Worker Safety - 5

Project: AES Huntington Beach Energy Project

Docket #: 12-AFC-02

Updated: April 7, 2017

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



Location: Unit 1 and 2 Control Room

Worker Safety - 5



Location: Unit 3 and 4 Control Room-



Location: Maintenance Building

Appendix L
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', is written in a cursive style.

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



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

tel 562 493 7891
fax 562 493 7320

March 20, 2017

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 TRANS-3 Traffic Control Plan

Dear Mr. Veerkamp;

AES Huntington Beach Energy, LLC (AES) is providing the attached Berm Removal & Transportation Plan for East Fuel Oil Tank Berm for the limited notice to proceed (LNTP) in accordance with Condition of Certification TRANS-3. If you have any questions please do not hesitate to contact myself.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Wynia', is written over a light gray rectangular background.

Joshua Wynia
Project Director
AES Huntington Beach Energy, LLC

Attachments

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

Berm Removal & Transportation Plan for East Fuel Oil Tank Berm

Submittal Revision 2

Michael Huber

3/16/2016

Demolition of East Fuel Oil Tank Berms

The Tank Berms that surround the East Fuel Oil Tank and Distillate Oil Tank are approximately twelve (12) to seventeen (17) feet above existing grade; the berms are surfaced with asphalt pavement along the top surface, and with a concrete pavement (with wire mesh reinforcing) on the berm side slopes. The asphalt and concrete surfacing shall be removed from the berms and disposed of by GSD.

GSD will demolish the East Fuel Oil Tank Berms and all related equipment, fixtures, stairways, piping, etc. down to grade. GSD will transport and dispose of all contaminated soil, waste and demolition debris in accordance with all federal, state and local laws and regulatory requirements as well as AES requirements. Concrete and asphalt pavement, storm water conveyance systems exterior fencing and other site features designated to remain will be protected.

Piping systems are routed through the base of the tank berm. Pipes and insulation routed through the berm shall be removed and placed in an area designated by AES for asbestos removal.

Electrical conduits are routed over the berm (along the access stairs) and through the base of the tank berm; conduits and their contents shall be demolished and removed.

Berm Soil Consolidation

GSD will begin by removing the asphalt and concrete surfacing which will be stockpiled at the southeast corner of the tank farm berm area (Figure 1). The concrete and asphalt will be moved using an excavator with bucket and off road dump truck.

GSD will consolidate the tank farm berms into one stockpile east of the parking lot west of the tank farm area (Figure 1). The berm soil will be moved using an excavator with bucket, off road dump truck and dozer.

Figure 1



Temporary Staging Area

1. No off site staging is authorized, all truck staging will be onsite.
2. GSD will locate the temporary staging area in the parking lot west of the Unit 5 Peaker Building and East Fuel Oil Tank Farm (Figure 2).
3. GSD will remediate contamination of the temporary staging area caused by GSD to the satisfaction of AES.
4. GSD will leave no materials or wastes on site at the completion of the Project.

Figure 2



Traffic Management

General Traffic Requirements

1. GSD will not close or obstruct public streets, walks or facilities. GSD will conduct the Project to minimize interference with access on public streets and sidewalks. No lane or road closures will be required.
2. Signs will be post north and south of the plant main entrance to warn traffic of trucks entering the roadway.
3. GSD will control all traffic pertaining to this Project on the site as well as all traffic entering and leaving the site (Figure 1). Traffic includes all movement of pedestrians, vehicles and equipment.
4. Access for emergency vehicles will be maintained at all times.
5. The anticipated trucking schedule will be 7:00 AM - 5:00 PM, Monday through Saturday.
6. GSD will repair any damage to any existing facilities designated to remain upon completion of the Project resulting from abuse or damage by project vehicles, personnel or equipment.

Traffic Movement Onsite

1. GSD will provide a safe means for pedestrian traffic and ensure that all personnel that arrive on the site are made aware of these means. This may include but not be limited to additional barricades and/or signage at pedestrian crossings.
2. Truck drivers will be met at the main entrance and directed or escorted to the staging and loading areas.
3. Upon arrival each driver name, company and truck number will be tracked on an accountability log.

Speed Limit

1. Upon Arrival at the Property, drivers will be instructed that all Plant Traffic Signage and Speed Limits (10 MPH) will be followed without exception. This includes the Main Gate, Loading/Unloading Areas, and temporary staging area.

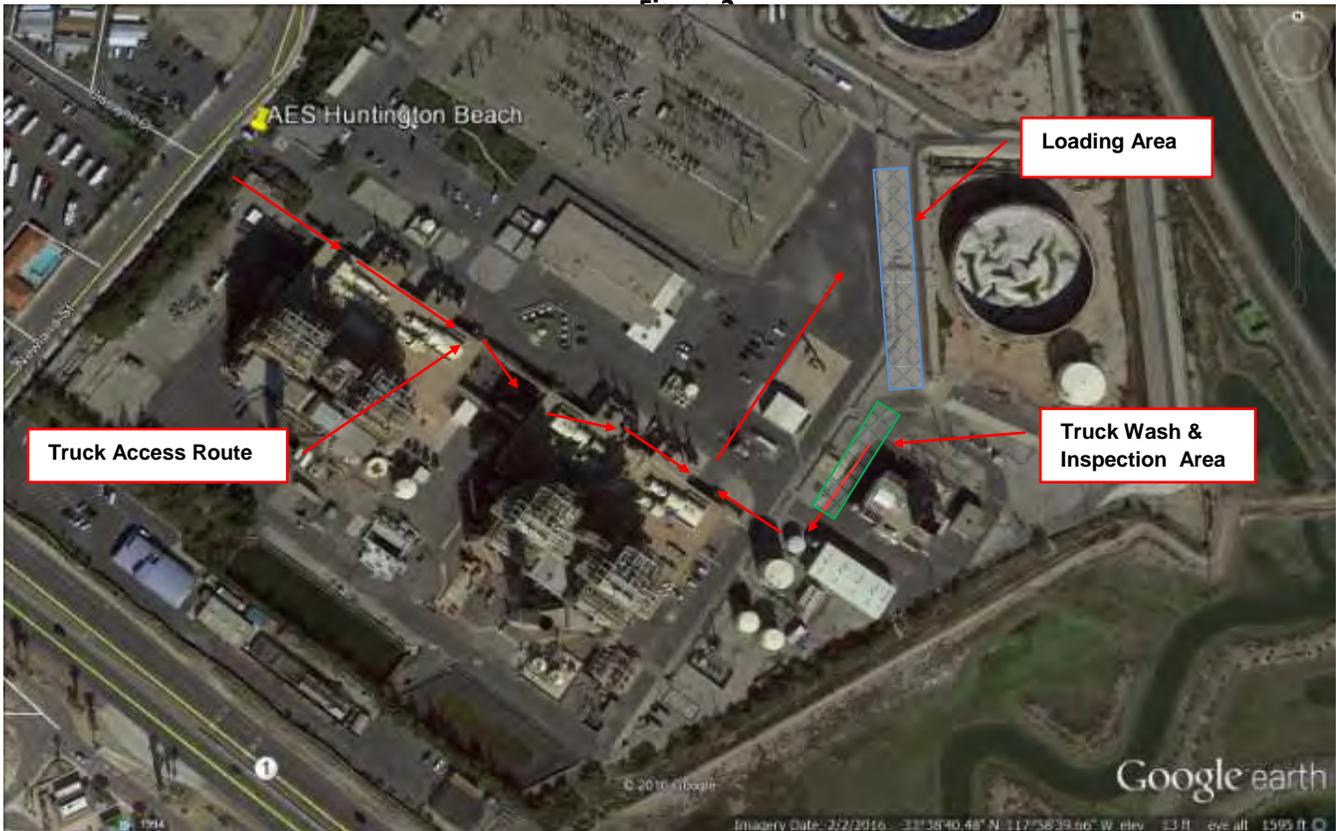
2. The drivers will be briefed on the minimum safety and PPE requirements to be followed while onsite, and what to do in the event of a plant emergency.

Truck Loading

1. Upon arrival at the staging area, driver will remain in vehicle until demolition project personnel direct the driver to the loading area (Figure 3).
2. Once in position at the loading area the driver will remain in the truck during the loading operation.
3. Trucks will be loaded to meet DOT weight restrictions (no overweight or over size loads).
4. The operator or escort will notify the driver when loading is complete and the driver will be directed to the Truck Wash & inspection area.

Truck/Tire Cleaning & Inspection

1. Upon arrival at the cleaning & inspection area (Figure 3) the driver and escort will inspect the truck and trailer. This inspection will include:
 - a. A 360 degree walk around of vehicle to ensure no material is overhanging trailer walls or too high above trailer walls.
 - b. An inspection of Back gate, locking mechanism, and safety chains.
 - c. During inspection, if any deficient item is found, driver/truck will not be permitted to leave until issue is resolved. Equipment Operator will hold on stand-by during inspection to help resolve any issues.
 - d. Inspection of tires for soil/mud that could be tracked out of the loading area. If necessary, GSD personnel will clean and remove any soil/mud that may be tracked out of the loading area.



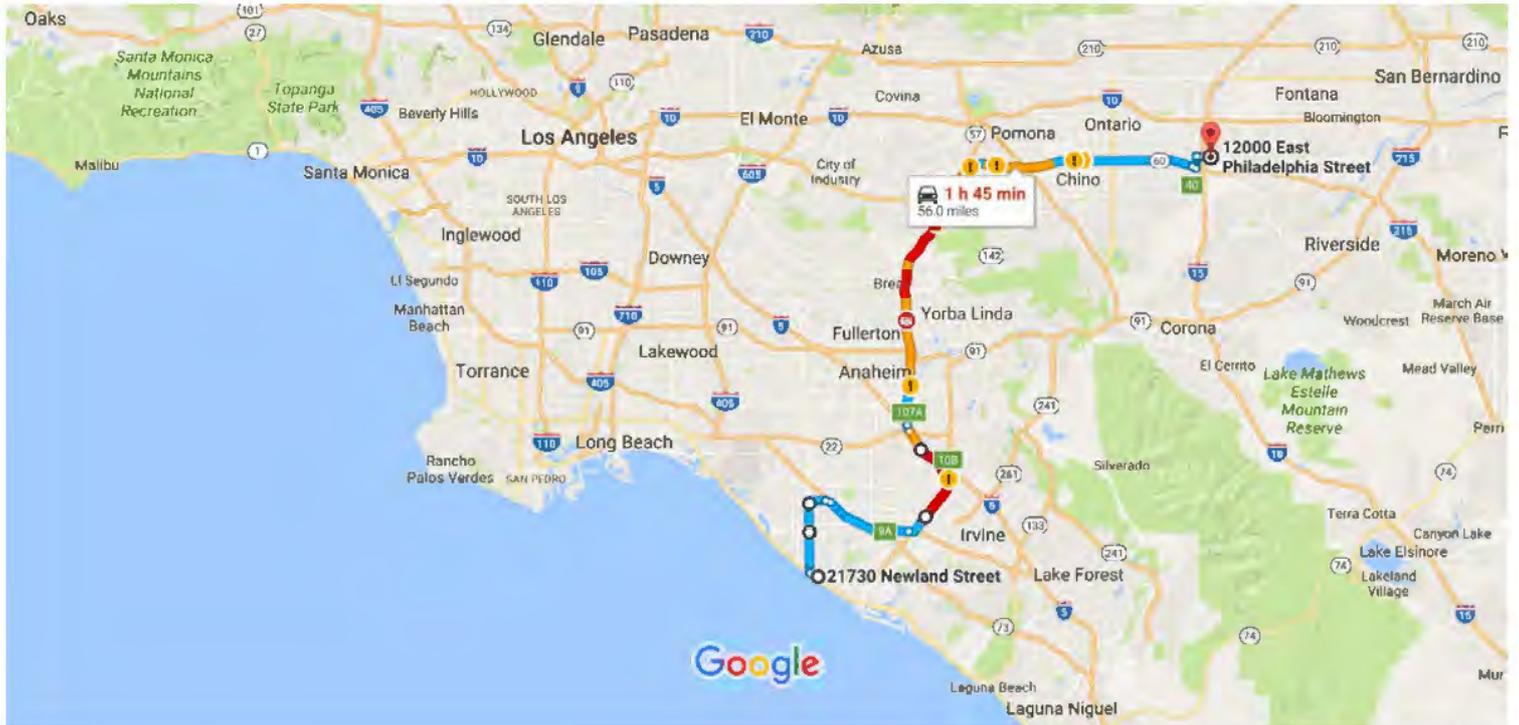
Exiting Facility

1. After inspection has been completed, bill of lading/manifest will be issued to driver, and a copy of each will be maintained in the field office.
2. Driver will proceed back to the main gate for check out by GSD representative, and follow all traffic signs and speed limits while exiting plant.
3. All trucks leaving the facility will exit onto Newland south towards Pacific Coast Hwy.
4. Soil will be transported to Philadelphia Recycling Mine (PRM) 12000 East Philadelphia St, Ontario, Ca 91761



21730 Newland St to 12000 E Philadelphia St, Ontario, CA 91761

Drive 56.0 miles, 1 h 45 min



Map data ©2017 Google 5 mi

21730 Newland St

Huntington Beach, CA 92646

Get on I-405 S/San Diego Fwy in Fountain Valley from Beach Blvd

- ↑ 1. Head southwest on Newland St toward Biscayne Dr 16 min (6.7 mi)

- 2. Turn right onto CA-1 N 0.1 mi

- 3. Turn right onto Beach Blvd 0.5 mi

- 4. Turn right onto Warner Ave 4.6 mi

- ⤴ 5. Use the right 2 lanes to merge onto I-405 S/San Diego Fwy via the ramp to San Diego 1.1 mi

- ⤴ 6. Use the right 2 lanes to merge onto I-405 S/San Diego Fwy 0.3 mi

Continue on I-405 S/San Diego Fwy. Take CA-57 N and CA-60 E to S Milliken Ave in Ontario. Take exit 40 from CA-60 E

- ⤴ 7. Merge onto I-405 S/San Diego Fwy 45 min (47.5 mi)

- ⤴ 8. Merge onto I-405 S/San Diego Fwy 5.6 mi

- 9. Use the right 2 lanes to take exit 9A to merge onto CA-55 N/State Rte 55 N 4.5 mi

- 8. Use the right 2 lanes to take exit 10B to merge onto I-5 N toward Santa Ana 4.2 mi

- 9. Use the right 2 lanes to take exit 107A for CA-57 N toward Pomona 0.5 mi

- 10. Continue onto CA-57 N 15.5 mi

- 11. Stay on CA-57 N 2.0 mi

- 12. Keep left at the fork to continue on CA-60 E, follow signs for Pomona/Riverside 15.0 mi

- 13. Take exit 40 for S Hamner Ave/Milliken Ave 0.3 mi

Follow S Milliken Ave to E Philadelphia St in Jurupa Valley

4 min (1.8 mi)

- 14. Use any lane to turn left onto S Milliken Ave 0.8 mi

- 15. Turn right onto E Philadelphia St 0.4 mi

- 16. Continue straight to stay on E Philadelphia St 0.5 mi

12000 E Philadelphia St

Ontario, CA 91761

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Appendix M
Filings/Permits

South Coast Air Quality Management District21865 Copley Drive, Diamond Bar, CA 91765-4182
Phone: (909) 395-2336
www.aqmd.govNotification Number
464011**Rule 1403 Notification of Procedure 1.3 Asbestos Removal**

Please maintain a copy of this Notification at the job site, either electronic or paper.

Project Type

Project Type	Asbestos Removal	Project Urgency	Routine
Completed By	Magaly Mojarro	Phone Number	(562) 422-7370

Contractor Information

Company Name	ARGUS CONTRACTING, LP	Address	11807 SMITH AVE
City	SANTA FE SPRINGS	State	CA
Zip	90670		
CSLB License #	934189	OSHA REG #	961
Supervisor #1	Hector Vasquez	Phone	(323) 652-8072
Supervisor #2	Candido De La Rosa	Phone	(714) 448-0044
Supervisor #3	David Castro	Phone	(562) 324-9225
Supervisor #4	David Gonzales	Phone	(310) 321-2278
Supervisor #5	Carlos Salas	Phone	(562) 686-1031
Supervisor #6	Jorge Parra	Phone	(562) 639-6604

Site Information

Site Name	AES Huntington Beach	Project #	4632707
Site Street #	21730	Street Name	Newland St
Cross Street	Pacific Coast Hwy	Site County	Orange
City	Huntingtn BCH	State	CA
Zip	92646		
Site Owner	AES North America Development LLC	Owner Address	21730 Newland St
City	Huntingtn BCH	State	CA
Zip	92646		
Project Start Date	3/13/2017	Project End Date	3/17/2017
Project Work Shift(s)	Day	Building Size in Sq.ft	1
Number of Floors	1	Building Age (years)	1
Number of Building/Dwelling Units	1	Building Prior Use	Other Tank Farm
Asbestos Survey	Yes	Asbestos Found	Yes
Asbestos Removed	No	Building to be Demolished	No
Describe Work	Remove ACM Insulation from Pipes	Describe Work Location	Open Field

Project Information**Asbestos Information**Amount of Asbestos in each type in Sq.Ft

Acoustic Ceiling	0	Linoleum	0	Insulation	560	Fire Proofing	0
Ducting	0	Dry Wall	0	Mastic (Non-friable)	0	Floor Tiles (Non-friable)	0
Transite	0	Roofing	0	Stucco	0	Plaster	0
Other	0	Coal Tar Wrap	0	Mastic (Friable)	0	Floor Tile (Friable)	0

Asbestos Amount to be Removed in Sq.Ft

FRIABLE	560
CLASS I	0
CLASS II	0
Total	560

Asbestos Removal From	Pipes	Control Procedures	1, 3
Asbestos Detection Procedure(s)	Survey, Bulk Sampling, Inspection, PLM		

Waste Information

Waste Transporter	ECTI		
Address	953 WEST REECE STREET	City	SAN BERNARDINO
State	CA	Zip	92411

Landfill	Azusa Land Reclamation		
Address	1211 W Gladstone St	City	Azusa
State	CA	Zip	91702

Fee Payment

Total Amount of Asbestos to be Removed in sq.ft	560
Project Size Fee	0.00
Additional Fee	59.37
Total Fee	\$ 59.37
Payment Made	\$ 59.37
Balance Due	\$ 0

By clicking the Sign & Submit button, I certify that an individual trained in the provisions of SCAQMD Rule 1403 and the Asbestos NESHAP (CFR Title 40, Part 61, Subpart M) will be onsite during the demolition or renovation and evidence that the required training has been accomplished by this person will be available for inspection during normal business hours. In addition, I certify that all of the information contained herein and information submitted with this Notification is true and correct.

Appendix N
Complaints, Notices of Violations,
Warnings and Citations

**HBEP Project
Owner's Scope Hotline Call Log
March 2017**

Date	Time	First Name	Last Name	Phone Number	Address	City/State/ ZIP	Email	Inquiry	Complaint?	Noise?	Status	Response Date	Response Time	Response	Responder *
3/24/2017	1:39 PM	Randie	Starling	Not provided	Not provided	Not provided	randiestar@gmail.com	Concerned that construction has not begun although notice provided in June 2016. Requested specific construction start date and also inquired if any debris would be hauled away from site.	No	No	Open	3/24/2017	1:39 PM	3/24/17 - Confirmed that AES sent a notice to neighbors announcing start of construction beginning with demolition in 2016. Also confirmed that demolition has occurred as planned. 3/27/17 - Notified caller that construction of the new facility will begin in Summer 2017. Confirmed that some demolition has been hauled off site and will continue to be hauled over the next couple of months.	JT
3/28/2017	11:38 AM	Not provided	Not provided	Wrong number	No	No	Closed	N/A	N/A	None	JT				

*Responders listed by initials:

JT: Jennifer Trotter