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| Project Title: | Huntington Beach Energy Project - Compliance |
| TN #: | 217289 |
| Document Title: | COM-6, HBEP Monthly Compliance Report (MCR) for March 2017 |
| Description: | Huntington Beach Energy Project Monthly Compliance Report, dated April 14, 2017 (for March 2017) |
| Filer: | Eric Veerkamp |
| Organization: | California Energy Commission |
| Submitter Role: | Commission Staff |
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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 "Josh Wynia", is placed over 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 activates
 - 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 (AQCM) to verify compliance with this condition. Such information may be provided via electronic format or disk at the project owner's discretion.

During construction in 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
- SEBHSA 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

| AES HBEP NTP SCHEDULE (CLH) For CEC Mtg 3-30-17 | | | | AES Owner's Schedule | | | 04-Apr-17 14:26 | | | | | | | | | | | |
|---|------------------------------|----|--------|----------------------|-------------|-------------|-----------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Activity ID | Activity Name | OD | % Cmpl | Start | Finish | TF | 2017 | | | | | | | | | | | |
| | | | | | | | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
| AES HBEP NTP SCHEDULE (CLH) For CEC Mtg 3-30-17 | | | | 547 | 75.32% | 09-Mar-15 A | 04-Oct-17 | 1122 | | | | | | | | | | |
| OSHB-1000 | Project Start | 0 | 100% | 01-Sep-15 A | | | | | | | | | | | | | | |
| OSHB-1100 | Review Existing Agreements | 10 | 100% | 19-Jan-16 A | 20-Apr-16 A | | | | | | | | | | | | | |
| OSHB-1150 | Prepare Execution Plan Draft | 5 | 100% | 11-Apr-16 A | 21-Apr-16 A | | | | | | | | | | | | | |
| OSHB-1200 | Project Execution Plan Final | 20 | 100% | 21-Apr-16 A | 15-Jul-16 A | | | | | | | | | | | | | |
| Development of Stakeholder Management Plan | | | | 264 | 99.62% | 01-Sep-15 A | 30-Mar-17 | 77 | | | | | | | | | | |
| Identification of Stakeholders | | | | 264 | 99.62% | 01-Sep-15 A | 30-Mar-17 | 77 | | | | | | | | | | |
| Internal Stakeholders | | | | 1 | 100% | 01-Sep-15 A | 18-Jan-16 A | | | | | | | | | | | |
| OSHB-1210 | AES Operations | 1 | 100% | 01-Sep-15 A | 01-Sep-15 A | | | | | | | | | | | | | |
| OSHB-1220 | AES E&C | 1 | 100% | 18-Jan-16 A | 18-Jan-16 A | | | | | | | | | | | | | |
| OSHB-1230 | Kiewit | 1 | 100% | 18-Jan-16 A | 18-Jan-16 A | | | | | | | | | | | | | |
| OSHB-1240 | AGIC | 1 | 100% | 18-Jan-16 A | 18-Jan-16 A | | | | | | | | | | | | | |
| OSHB-1250 | US SBU Financial | 1 | 100% | 18-Jan-16 A | 18-Jan-16 A | | | | | | | | | | | | | |
| OSHB-1260 | US SBU Legal | 1 | 100% | 18-Jan-16 A | 18-Jan-16 A | | | | | | | | | | | | | |
| OSHB-1270 | US SBU Safety | 1 | 100% | 18-Jan-16 A | 18-Jan-16 A | | | | | | | | | | | | | |
| OSHB-1280 | US SBU Environmental | 1 | 100% | 18-Jan-16 A | 18-Jan-16 A | | | | | | | | | | | | | |
| OSHB-1290 | Supply Chain | 1 | 100% | 18-Jan-16 A | 18-Jan-16 A | | | | | | | | | | | | | |
| OSHB-1300 | US SBU Risk Management | 1 | 100% | 18-Jan-16 A | 18-Jan-16 A | | | | | | | | | | | | | |
| OSHB-1310 | AES West BD | 1 | 100% | 18-Jan-16 A | 18-Jan-16 A | | | | | | | | | | | | | |
| External Stakeholder | | | | 1 | 0% | 30-Mar-17 | 30-Mar-17 | 77 | | | | | | | | | | |
| SCE | | | | 1 | 0% | 30-Mar-17 | 30-Mar-17 | 77 | | | | | | | | | | |
| OSHB-1320 | Current Contract | 1 | 0% | 30-Mar-17 | 30-Mar-17 | 77 | | | | | | | | | | | | |
| OSHB-1330 | Power Purchase Agreement | 1 | 0% | 30-Mar-17 | 30-Mar-17 | 77 | | | | | | | | | | | | |
| OSHB-1340 | Switchyard | 1 | 0% | 30-Mar-17 | 30-Mar-17 | 77 | | | | | | | | | | | | |
| OSHB-1350 | Remediation | 1 | 0% | 30-Mar-17 | 30-Mar-17 | 77 | | | | | | | | | | | | |
| OSHB-1360 | Real Estate | 1 | 0% | 30-Mar-17 | 30-Mar-17 | 77 | | | | | | | | | | | | |
| SC Gas | | 0 | 0% | | | 0 | | | | | | | | | | | | |
| SC Gas-1 | | 0 | 0% | | | 0 | | | | | | | | | | | | |
| Shopoff | | 0 | 0% | | | 0 | | | | | | | | | | | | |
| SCAQMD | | 0 | 0% | | | 0 | | | | | | | | | | | | |
| Coastal Commission | | 0 | 0% | | | 0 | | | | | | | | | | | | |
| HB Fire | | 0 | 0% | | | 0 | | | | | | | | | | | | |
| Orange County | | 0 | 0% | | | 0 | | | | | | | | | | | | |
| Chamber of Commerce | | 0 | 0% | | | 0 | | | | | | | | | | | | |
| Unions | | 0 | 0% | | | 0 | | | | | | | | | | | | |
| DTSC | | 0 | 0% | | | 0 | | | | | | | | | | | | |
| Mills Land & Water Co (Newland Parking Lot) | | 0 | 0% | | | 0 | | | | | | | | | | | | |
| ASCON (landfill site) | | 0 | 0% | | | 0 | | | | | | | | | | | | |
| Prepare and Submit NTP COC Submittals | | | | 301 | 100% | 09-Mar-15 A | 29-Aug-16 A | | | | | | | | | | | |
| OSHB-1370 | Submit AQ-SC1 to CEC | 7 | 100% | 18-Sep-15 A | 01-Apr-16 A | | | | | | | | | | | | | |
| OSHB-1375 | Approve AQ-SC1 to CEC | 5 | 100% | 01-Apr-16 A | 05-Aug-16 A | | | | | | | | | | | | | |
| OSHB-1380 | Submit AQ-SC2 to CEC | 1 | 100% | 08-Oct-15 A | 08-Oct-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-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 | to 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 | to 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 | to 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 | to 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 | to 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 | to SE-1 to CEC | | | | | | | | | | | | | | | | |
| OSHB-1530 | Submit NOISE-3 to CEC | 30 | 100% | 27-Jun-16 A | 27-Jun-16 A | to CEC | | | | | | | | | | | | | | | | |
| OSHB-1535 | Approve NOISE-3 to CEC | 5 | 100% | 28-Jun-16 A | 13-Jul-16 A | to 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

Actual Work

Remaining ...

Critical Rem...

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Actual Level of Effort
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| AES HBEP NTP SCHEDULE (CLH) For CEC Mtg 3-30-17 | | | | AES Owner's Schedule | | | | 04-Apr-17 14:26 | | | | | | | | | | | | | | |
|---|---|-----|--------|----------------------|-------------|----|------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Activity ID | Activity Name | OD | % Cmpl | Start | Finish | YF | 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 | | | | | | | | | | | | | | | | | |
| OSHB-1615 | Approve WORKER SAFETY-1 to CEC (HB Fire Department) | 70 | 100% | 04-Apr-16 A | 24-Aug-16 A | | | | | | | | | | | | | | | | | |
| OSHB-1620 | Submit WORKER SAFETY-3 to CEC | 16 | 100% | 02-Oct-15 A | 02-Oct-15 A | | | | | | | | | | | | | | | | | |
| OSHB-1625 | Approve WORKER SAFETY-3 to CEC | 5 | 100% | 05-Oct-15 A | 27-Oct-15 A | | | | | | | | | | | | | | | | | |
| OSHB-1630 | Submit WORKER SAFETY-4 to CEC | 16 | 100% | 18-Sep-15 A | 18-Sep-15 A | | | | | | | | | | | | | | | | | |
| OSHB-1635 | Approve WORKER SAFETY-4 to CEC (HB Fire Department) | 5 | 100% | 21-Sep-15 A | 09-Oct-15 A | | | | | | | | | | | | | | | | | |
| OSHB-1640 | Submit WORKER SAFETY-5 to CEC | 16 | 100% | 02-Oct-15 A | 02-Oct-15 A | | | | | | | | | | | | | | | | | |
| OSHB-1645 | Approve WORKER SAFETY-5 to CEC | 5 | 100% | 03-Oct-15 A | 27-Oct-15 A | | | | | | | | | | | | | | | | | |
| OSHB-1650 | Submit GEN-2 to CBO Master List of NTP CBO Submittals | 30 | 100% | 24-Apr-16 A | 24-Apr-16 A | | | | | | | | | | | | | | | | | |
| OSHB-1655 | Approve GEN-2 to CBO Master List of LNTN CBO Submittals | 5 | 100% | 05-Apr-16 A | 17-May-16 A | | | | | | | | | | | | | | | | | |
| Utility Construction Risk Management | | 167 | 100% | 01-Feb-16 A | 30-Aug-16 A | | | | | | | | | | | | | | | | | |
| Above Grade | | 99 | 100% | 20-Apr-16 A | 30-Aug-16 A | | | | | | | | | | | | | | | | | |
| OSHB-1660 | Develop Above Grade Utility Termination Identification Plan | 20 | 100% | 20-Apr-16 A | 12-Jul-16 A | | | | | | | | | | | | | | | | | |
| OSHB-1670 | Access Interior Tanks and Investigate (Cleaning) | 38 | 100% | 13-Jul-16 A | 30-Aug-16 A | | | | | | | | | | | | | | | | | |
| OSHB-1680 | Clean/Cut/Cap Existing Utility Clearance Tanks - AG | 42 | 100% | 30-Jun-16 A | 26-Aug-16 A | | | | | | | | | | | | | | | | | |
| OSHB-1690 | Clean/Cut/Cap Existing Utility Clearance Peak Bldg - AG | 48 | 100% | 30-Jun-16 A | 26-Aug-16 A | | | | | | | | | | | | | | | | | |
| Underground | | 167 | 100% | 01-Feb-16 A | 23-Aug-16 A | | | | | | | | | | | | | | | | | |
| OSHB-1700 | Develop Underground Utility Termination Identification Plan | 160 | 100% | 01-Feb-16 A | 19-Aug-16 A | | | | | | | | | | | | | | | | | |


Actual Level of Effort

Actual Work

Remaining ...

Critical Rem...

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Actual Level of Effort
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| AES HBEP NTP SCHEDULE (CLH) For CEC Mtg 3-30-17 | | | | AES Owner's Schedule | | | | 04-Apr-17 14:26 | | | | | | | | | | | | | | |
|---|--|-----|--------|----------------------|-------------|----|------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Activity ID | Activity Name | OD | % Cmpl | Start | Finish | YF | 2017 | | | | | | | | | | | | | | | |
| | | | | | | | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| OSHB-1710 | Clean/Cut/Cap Existing Utility Clearance All - UG | 20 | 100% | 12-Aug-16 A | 23-Aug-16 A | | | | | | | | | | | | | | | | | |
| Environmental Assessment | | 270 | 98.14% | 14-Sep-15 A | 07-Apr-17 | 72 | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | |
| Geotechnical Analysis | | 75 | 100% | 27-Jan-16 A | 22-Jun-16 A | | | | | | | | | | | | | | | | | |
| OSHB-1790 | Meet with Kiewit and confirm schedule | 1 | 100% | 27-Jan-16 A | 27-Jan-16 A | | | | | | | | | | | | | | | | | |
| OSHB-1800 | Complete geotechnical work plan | 40 | 100% | 28-Jan-16 A | 23-Mar-16 A | | | | | | | | | | | | | | | | | |
| OSHB-1805 | Geotech Work Plan to CBO (FOR INFORMATION ONLY) | 1 | 100% | 25-Mar-16 A | 25-Mar-16 A | | | | | | | | | | | | | | | | | |
| OSHB-1810 | Conduct Site Survey / Mobilize | 3 | 100% | 21-Mar-16 A | 23-Mar-16 A | | | | | | | | | | | | | | | | | |
| OSHB-1820 | Geotech Field Work | 15 | 100% | 23-Mar-16 A | 01-Apr-16 A | | | | | | | | | | | | | | | | | |
| OSHB-1830 | Complete geotech report | 30 | 100% | 04-Apr-16 A | 22-Jun-16 A | | | | | | | | | | | | | | | | | |
| OSHB-1840 | No Contamination Found / HRA not Required | 7 | 100% | 10-Jun-16 A | 10-Jun-16 A | | | | | | | | | | | | | | | | | |
| NPDES Requirements | | 72 | 100% | 07-Apr-16 A | 15-Jul-16 A | | | | | | | | | | | | | | | | | |
| OSHB-1860 | Development of Construction SWPPP | 25 | 100% | 07-Apr-16 A | 28-Apr-16 A | | | | | | | | | | | | | | | | | |
| OSHB-1870 | SOIL&WATER- 1: SWPPP to CBO (FOR REVIEW AND COMMENT) | 11 | 100% | 29-Apr-16 A | 07-Jun-16 A | | | | | | | | | | | | | | | | | |
| OSHB-1880 | Submit SOIL&WATER-1 to CEC | 20 | 100% | 29-Apr-16 A | 06-Jun-16 A | | | | | | | | | | | | | | | | | |
| OSHB-1885 | Approve Soil & Water and SWPPP | 15 | 100% | 07-Jun-16 A | 15-Jul-16 A | | | | | | | | | | | | | | | | | |
| Temporary Utilities - Trailers | | 135 | 100% | 20-Apr-16 A | 23-Sep-16 A | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | |
| OSHB-1900 | SCE 220V/480V Supply | 120 | 100% | 11-May-16 A | 23-Sep-16 A | | | | | | | | | | | | | | | | | |
| OSHB-1910 | Internet | 90 | 100% | 11-May-16 A | 23-Sep-16 A | | | | | | | | | | | | | | | | | |


Actual Level of Effort

Remaining ...

Actual Work

Critical Rem...

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Actual Level of Effort
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| AES HBEP NTP SCHEDULE (CLH) For CEC Mtg 3-30-17 | | | | AES Owner's Schedule | | | 04-Apr-17 14:26 | | | | | | | | | | | | | | | |
|--|--|-----|--------|----------------------|-------------|------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Activity ID | Activity Name | OD | % Cmpl | Start | Finish | TF | 2017 | | | | | | | | | | | | | | | |
| | | | | | | | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| OSHB-1920 | Phones | 90 | 100% | 11-May-16 A | 23-Sep-16 A | | | | | | | | | | | | | | | | | |
| OSHB-1930 | Water | 90 | 100% | 11-May-16 A | 14-Sep-16 A | | | | | | | | | | | | | | | | | |
| OSHB-1940 | Sewage | 20 | 100% | 11-May-16 A | 08-Jun-16 A | | | | | | | | | | | | | | | | | |
| Asbestos and Lead Paint Abatement Admin Work | | 13 | 100% | 01-Feb-16 A | 14-Apr-16 A | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | |
| OSHB-1970 | Bid and Award Asbestos and LP Abatement Contractor | 8 | 100% | 14-Mar-16 A | 23-Mar-16 A | | | | | | | | | | | | | | | | | |
| OSHB-1980 | Submit WASTE-2 form to AQMD and CEC | 10 | 100% | 31-Mar-16 A | 14-Apr-16 A | | | | | | | | | | | | | | | | | |
| OSHB-1990 | Complete SCAQMD Notification form - Rule 1403 | 10 | 100% | 31-Mar-16 A | 14-Apr-16 A | | | | | | | | | | | | | | | | | |
| Clean and Cap AES and Plains Abandoned Oil Lines and Appurtenances | | 267 | 98.12% | 16-Nov-15 A | 07-Apr-17 | 72 | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | |
| OSHB-2020 | Pig and Cap Oil Lines | 27 | 100% | 25-Jul-16 A | 19-Aug-16 A | | | | | | | | | | | | | | | | | |
| OSHB-2030 | Development of Summary Report | 5 | 0% | 31-Mar-17 | 07-Apr-17 | 72 | | | | | | | | | | | | | | | | |
| Field Lead and Asbestos Abatement Work | | 108 | 100% | 02-May-16 A | 19-Aug-16 A | | | | | | | | | | | | | | | | | |
| Peaker Building, Fuel Tanks | | 33 | 100% | 02-May-16 A | 08-Jul-16 A | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | |
| AES and Plain Abandoned Oil Lines and Appurtenances | | 27 | 100% | 25-Jul-16 A | 19-Aug-16 A | | | | | | | | | | | | | | | | | |
| OSHB-2060 | Field Abatement Work | 27 | 100% | 25-Jul-16 A | 19-Aug-16 A | | | | | | | | | | | | | | | | | |
| OSHB-2070 | Notify AQMD/CEC of Abatement Completion | 0 | 100% | | 19-Aug-16 A | | | | | | | | | | | | | | | | | |
| NTP (Prep & Execution) | | 547 | 75.32% | 21-Mar-16 A | 04-Oct-17 | 1122 | | | | | | | | | | | | | | | | |
| OSHB-2080 | CEC Issuance of LNTP | 0 | 100% | 10-Aug-16 A | | | | | | | | | | | | | | | | | | |
| OSHB-2090 | LNTP Scope Completion | 0 | 0% | | 04-Oct-17* | -57 | | | | | | | | | | | | | | | | |
| Office Trailers | | 5 | 100% | 01-Sep-16 A | 14-Sep-16 A | | | | | | | | | | | | | | | | | |
| OSHB-2100 | CBO Trailer Established | 5 | 100% | 01-Sep-16 A | 14-Sep-16 A | | | | | | | | | | | | | | | | | |
| OSHB-2110 | AES Trailer | 3 | 100% | 01-Sep-16 A | 14-Sep-16 A | | | | | | | | | | | | | | | | | |
| Construction Fencing | | 180 | 100% | 21-Mar-16 A | 13-May-16 A | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | |
| Demolition | | 265 | 93.58% | 20-Apr-16 A | 21-Apr-17 | 61 | | | | | | | | | | | | | | | | |
| Demolition - Administrative Work | | 109 | 100% | 20-Apr-16 A | 03-Aug-16 A | | | | | | | | | | | | | | | | | |
| OSHB-2160 | Complete Demolition Specification | 30 | 100% | 20-Apr-16 A | 06-Jun-16 A | | | | | | | | | | | | | | | | | |
| OSHB-2170 | Demolition Specification to CBO (FOR REVIEW AND COMMENT) | 20 | 100% | 01-Jun-16 A | 06-Jul-16 A | | | | | | | | | | | | | | | | | |





Actual Level of Effort

Actual Work

Remaining ...

Critical Rem...

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 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 | EO | % Cmpl | Start | Finish | TF | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | | | | |
| 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-May-17 | -3 | | | | | | | | | | | | | 10-May-17, Excavate Containment Berms | | | | | | | |
| OSHB-2392 | Develop Specification for Work | 10 | 100% | 15-Jul-16 A | 01-Aug-16 A | | 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 | | | | | | | | | | | | | | | | | | | |





Actual Level of Effort

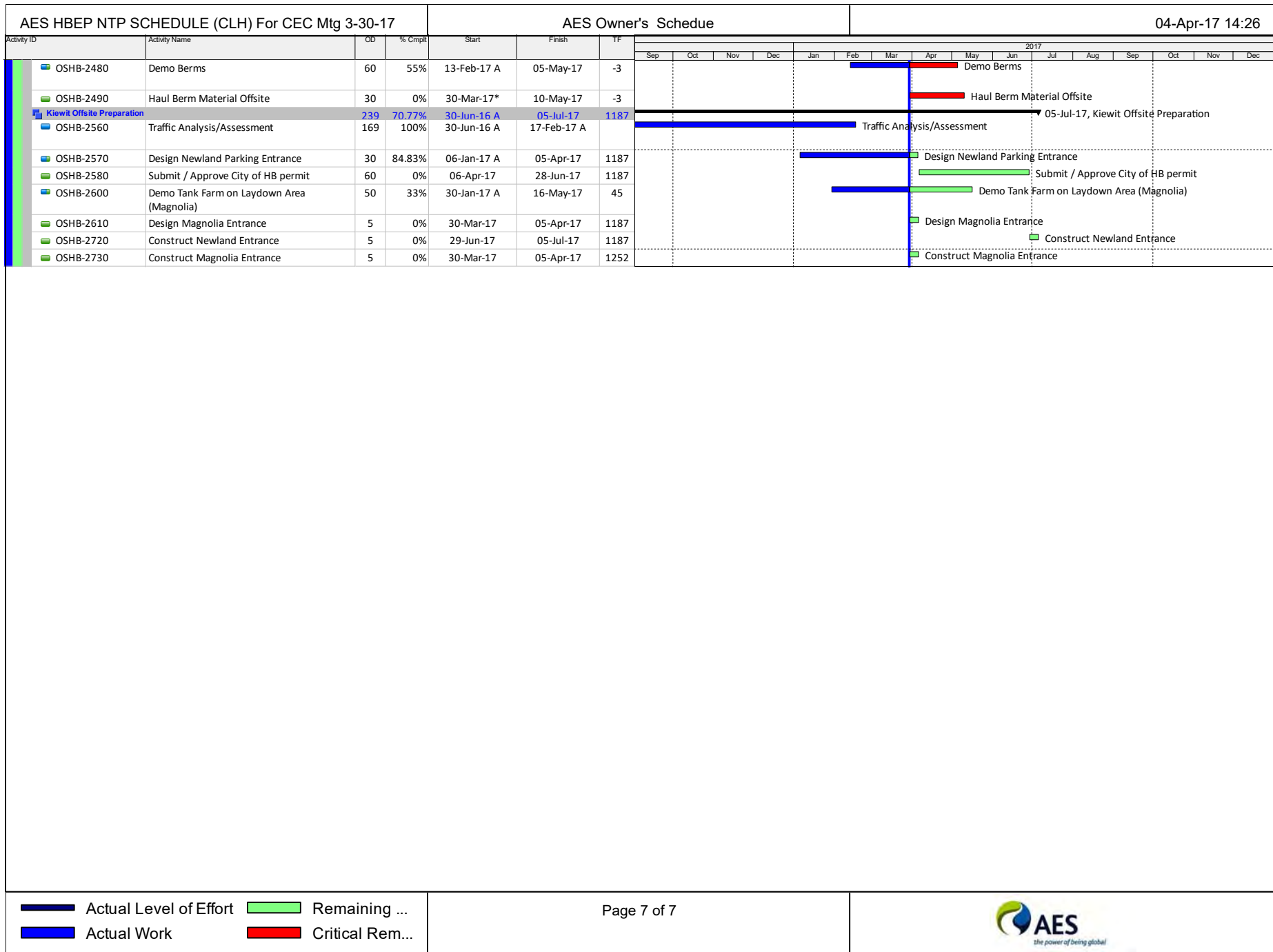
Actual Work

Remaining ...

Critical Rem...

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 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 ACTIVITIES | |
| Asbestos and Lead Surveys | Sept 22, 2015 |
| Phase I - Soil Sampling - HRA | Feb 12, 2016 |
| Site Survey and LIDAR Scan | Mar 23, 2016 |
| GeoTech Field Work | April 1, 2016 |
| AQMD Notification for Abatement | April 12, 2016 |
| Phase 2 - Soil Sampling - HRA | May 10, 2016 |
| Lead and asbestos Abatement | May 11, 2016 |
| Vis-3 Phase 1 - Fence screening material | May 11, 2016 |
| Demolitions Specification | Jun 6, 2016 |
| LNTF Owners scope | Aug 10, 2016 |
| Clean and Cap Fuel Oil Lines | Jul 25, 2016 |
| Office Trailers (CBO and AES) | Sept 2, 2016 |
| Mobilizations for Demo | Aug 15, 2016 |
| Demo Fuel Oil Tank | Aug 29, 2016 |
| Demo Oil Lines and 66KV | Oct 3, 2016 |
| Demo Fuel oil Tank Final | Oct 31, 2016 |
| Demo Peaker Building | Oct 12, 2016 |
| 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 USFWS and CDFW 4/8/16. CDFW submitted comments 4/8/16, CH2M addressing comments and will provide for review by 4/11/16. Re-submitted to USFWS 4/12/16. USFWS provided comments back 4/12/16, CH2M addressing comments. Provided comments to USFWS and added Gary Santolo's resume to accompany Melissa Fowler on 4/14/16. USFWS provided comments back 4/15/16, CH2M addressing comments. Assessments and survey are put on hold until mid-June. First survey was conducted on 6/6/2016, notification was sent to CEC on 6/7/16. Approved 6/9/16. |
| COM-4 | Pre-Construction Matrix and Tasks Prior to Start of Construction | CH2MHill | | | | | Approved | |

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-submitt 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 |

| 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 |

Transmittal Report

Transmittal Number: CBO-015

Date: 3/3/2016

Project: Huntington Beach Energy Project – Owner’s Scope

Package: ELEC-1

Subject: Kiewit Construction Trailer Design for Test Piles

Due Date: 3/3/17

Comments: Documents submitted to CBO for approval

[illegible]

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

Critical

| | | | | Color code key: | Demolition Item | Construction | Closeout Item | Date Submitted to CEC or Agency | Date Approved by CEC or Agency |
|----------|--------------|---|---|--|--|---------------------|-------------------------------|---------------------------------|---|
| Cond. # | Sort Code | Submittal | Description of Project Owner's Responsibilities | Verification/Action/Submittal Required by Project Owner | Timeframe | Date Due to CEC CPM | Targeted Internal Finish Date | Date sent to CEC, CBO or agency | CBO Status |
| CIVIL-01 | 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 | CONSTRUC TION | | Prior to the start of rough grading, the project owner shall assign at least one of each of the following California registered engineers to the project: a civil engineer; a soils, geotechnical, or civil engineer experienced and knowledgeable in the practice of soils engineering; and an engineering geologist. | At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of rough grading, the project owner shall submit to the CBO for review and approval, resumes and registration numbers of the responsible civil engineer, soils (geotechnical) engineer and engineering geologist assigned to the project. | At least 30 days prior to the start of rough grading. | | | | |
| | GEN-06 | CONSTRUC TION | | Prior to the start of an activity requiring special inspection, including prefabricated assemblies, the project owner shall assign to the project, qualified and certified special inspector(s) who shall be responsible for the special inspections required by the 2013 CBC. | At least 15 days (or project owner- and CBO-approved alternative time frame) prior to the start of an activity requiring special inspection, the project owner shall submit to the CBO for review and approval, with a copy to the CPM, the name(s) and qualifications of the certified weld inspector(s), or other certified special inspector(s) assigned to the project to perform one or more of the duties set forth above. | At least 15 days (or project owner- and CBO-approved alternative time frame) prior to the start of an activity requiring special inspection. | | | | |
| | GEN-07 | CONSTRUC TION | | If any discrepancy in design and/or construction is discovered in any engineering work that has undergone CBO design review and approval, the project owner shall document the discrepancy and recommend required corrective actions. The discrepancy documentation shall be submitted to the CBO for review and approval. The discrepancy documentation shall reference this condition of certification and, if appropriate, applicable sections of the CBC and/or other LORS. | The project owner shall transmit a copy of the CBO's approval of any corrective action taken to resolve a discrepancy to the CPM in the next monthly compliance report. If any corrective action is disapproved, the project owner shall advise the CPM, within five days, of the reason for disapproval and the revised corrective action to obtain CBO's approval. | The project owner shall transmit a copy of the CBO's approval or disapproval solve a discrepancy to the CPM within 15 days. If disapproved, the project owner shall advise the CPM, within five days, the reason for disapproval, and the revised corrective action to obtain CBO's approval. | | | | |

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

| Critical | Cond. # | Sort Code | Submittal | Description of Project Owner's Responsibilities | Verification/Action/Submittal Required by Project Owner | Timeframe | Date Due to CEC CPM | Targeted Internal Finish Date | Date sent to CEC, CBO or agency | CBO Status | |
|----------|---------|-------------------------------|--|--|---|---|---------------------|-------------------------------|---------------------------------|--|-----------------------|
| | | | Construction SWPPP | | | | | 6/10/2016 1st submittal | 7/20/2016 | AES to re-submit SWPPP based on CBO comments. Submitt by 9/9/16 | |
| | | | Notice of Intent (NOI) | | | | | 8/8/2016 | | COMPLETED | |
| | ✓ | S&W-03 | DEMO | Prior to any groundwater dewatering, the project owner shall submit a dewatering plan to the CPM for review and approval. The dewatering plan shall include maximum daily and average daily pumping rates, and total volume expected to be pumped during dewatering, as well as the dates expected to be used for dewatering. The plan shall also include estimates of drawdown that may occur at the adjacent marsh land, and identify potential mitigation, as needed, as well as describe under what circumstances such mitigation would be implemented. | At least sixty (60) days prior to dewatering, the project owner shall submit a dewatering plan to the CPM for review and approval. The project owner shall provide a report on the dewatering daily average and maximum rate and total daily volumes in each monthly compliance report when dewatering occurs. At least 30 days prior to any planned dewatering water discharge, the project owner shall submit a RWD to the RWQCB to obtain the appropriate waiver or permit. The project owner shall submit a copy of any correspondence between the project owner and the RWQCB regarding the waiver or permit and all related reports to the CPM within 10 days of correspondence receipt or submittal. | At least sixty (60) days prior to dewatering. | | | | No dewatering anticipated during LNTP. | |
| | ✓ | S&W-04 | DEMO | Prior to mobilization for construction, the project owner shall obtain a National Pollutant Discharge Elimination System permit for industrial waste and stormwater discharge to the Pacific Ocean. The project owner shall discharge to the same outfall currently utilized by the Huntington Beach Generating Station under the requirements of Order No. R8-2006- 0011, NPDES No. CA0001163. The project owner shall provide a copy of all permit documentation sent to the Santa Ana or State Water Board to the CPM and notify the CPM in writing of any reported non-compliance. | Prior to construction mobilization, the project owner shall submit to the CPM documentation that all necessary NPDES permits were obtained from the Santa Ana or State Water Board. Thirty (30) days prior to HBEP operation, the project owner shall submit to the CPM a copy of the Industrial SWPPP. | Prior to construction mobilization. | | | | | |
| | | | NPDES Permit | | | | | | 6/28/2016 | COMPLETED | |
| | | | Monthly Non-Compliance Report | | | | | | | | To be included in MCR |
| | | STRUC-01 | DEMO | Prior to the start of any increment of construction, the project owner shall submit plans, calculations and other supporting documentation to the CBO for design review and acceptance for all project structures and equipment identified in the CBO-approved master drawing and master specifications list. The design plans and calculations shall include the lateral force procedures and details as well as vertical calculations. Construction of any structure or component shall not begin until the CBO has approved the lateral force procedures to be employed in designing that structure or component. The project owner shall: 1. Obtain approval from the CBO of lateral force procedures proposed for project structures. 2. Obtain approval from the CBO for the final design plans, specifications, calculations, soils reports, and applicable quality control procedures. If there are conflicting requirements, the more stringent shall govern (for example, highest loads, or lowest allowable stresses shall govern). All plans, calculations, and specifications for foundations that support structures shall be filed concurrently with the structure plans, calculations, and specifications. 3. Submit to the CBO the required number of copies of the structural plans, specifications, calculations, and other required documents of the designated major structures prior to the start of on-site fabrication and installation of each structure, equipment support, or foundation. 4. Ensure that the final plans, calculations, and specifications clearly reflect the inclusion of approved criteria, assumptions, and methods used to develop the design. The final designs, plans, calculations, and specifications shall be signed and stamped by the responsible design engineer. 5. Submit to the CBO the responsible design engineer's signed statement that the final design plans conform to applicable LORS. | At least 30 days prior to any planned dewatering water discharge, the project owner shall submit a RWD to the RWQCB to obtain the appropriate waiver or permit. | At least 60 days (or project owner- and CBO-approved alternative time frame) prior to the start of any increment of construction of any structure or component listed . | | | | | |
| | | | Structural Design of Trailers | | | | | | 7/13/2016 | 7/27/2016 | APPROVED |
| | | | GSD Construction Trailer Foundation Design | | | | | | 9/9/2016 | 9/13/2016 | APPROVED |
| | | | Demolition Work Plan | | | | | | 9/9/2016 | | COMPLETED |
| | | 12' Construction Fence Design | | | | | | 11/14/2016 | | Received CBO comments on 11/18/16. Received additional commetns 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 | CONSTRUC TION | | The project owner shall install blinking obstruction marking and lighting on any construction equipment that exceeds 200 feet in height in accordance with FAA requirements. | At least 10 days prior to installation of permanent obstruction marking and lighting, the project owner shall provide the CBO and CPM proof in writing of approval by the FAA for all structure marking and lighting. | | | | | |

AES Huntington Beach Energy Project (12-AFC-02C)
CBO Proof of Payment (GEN-3)
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,

BK7 ARRELL

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

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)

E.I.N.

LU6Y44

By: _____

Aaron Dyer

Vice President

Savala Equipment Company, Inc.

Appendix E
HBEP Off Road Diesel Equipment

| | | | | Equipment | | | | | | Engine | | | | | | | |
|---------------------|---------------------|--|----------------|-------------------------|-----------------------------|-------------------|----------------------|--|----------------|----------------------|----------------------|---------------------|-------------------------|-------------------|----------------------|--------------------|-------------|
| <u>Date Arrived</u> | <u>Date Removed</u> | <u>CARB ID</u> 6 digit alpha numeric | <u>HBEP ID</u> | <u>Manufacturer</u> | <u>Model/Description</u> | <u>Model Year</u> | <u>Serial Number</u> | <u>Owner</u> | <u>Renter</u> | <u>Manufacturer</u> | <u>Engine Family</u> | <u>Engine Model</u> | <u>Displacement (L)</u> | <u>Model Year</u> | <u>Serial Number</u> | <u>Diesel (hp)</u> | <u>Tier</u> |
| 7/25/2016 | 01/17/17 | MU9W57 | HBEP-EN005 | CASE | 590 Super N loader Backhoe | 2014 | JJGN59SNCEC711133 | WA Rassic | WA Rassic | FPT Industrial | EFPXL03.4ADD | 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 | QS83.3 | 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 | QS84.5 | 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 | SEBHSA | 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 | QS84.5 | 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 | EFPXL03.4ADD | 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@hbepln.com, c=US
Date: 2017.03.01 09:04:38 -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, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: Mark Smith Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTF,
email=marksmith@huntingtonbeach.com, c=US
Date: 2017.03.01 09:14:44 -0800

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, LNTP
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: Mark Smith

Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTP,
email=marksmith@hbepln.com, c=US
Date: 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, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: Mark Smith Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTF,
email=mark.smith@huntingtonbeach.com, c=US
Date: 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, LNTP
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: Mark Smith

Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTP,
email=marksmith@hbepln.com, c=US
Date: 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, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: Mark Smith Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTF,
email=marksmith@hbepr.com, c=US
Date: 2017.03.03 15:45:04 -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, 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=mark.smith@hbeplntf.com, c=US
Date: 2017.03.06 10:35:54 -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). | | |

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ADDITIONAL NOTES:

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

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: Mark Smith Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTF,
email=mark.smith@huntingtonbeach.com, c=US
Date: 2017.03.06 10:34:09 -0800

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, 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=mark.smith@hbepl.com, c=US
Date: 2017.03.07 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, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: Mark Smith Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTF,
email=marksmith@huntingtonbeach.com, c=US
Date: 2017.03.07 12:44:19 -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

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, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: Mark Smith Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTF,
email=marksmith@huntingtonbeach.com, c=US
Date: 2017.03.08 12:10:54 -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, LNTP
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: Mark Smith

Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTP,
email=marksmith@hbepln.com, c=US
Date: 2017.03.09 15:52:02 -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). | | |

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ADDITIONAL NOTES:

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

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: Mark Smith

Date: 03-09 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? EXTREME EX3034 Fork Boom arrived mid afternoon. no forward notice | 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, LNTP
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: Mark Smith

Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTP,
email=marksmith@hbepln.com, c=US
Date: 2017.03.10 09:53:30 -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, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: Mark Smith

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@hbepln.com, c=US
Date: 2017.03.14 10:55:51 -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, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: Mark Smith

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@hbepln.com, c=US
Date: 2017.03.14 09:11:57 -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, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: Mark Smith Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTF,
email=mark.smith@huntingtonbeach.com, c=US
Date: 2017.03.14 11:43:47 -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@hbepln.com, c=US
Date: 2017.03.15 10:13:27 -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, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: Mark Smith Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTF,
email=mark.smith@huntingtonbeach.com, c=US
Date: 2017.03.15 15:12:47-0700

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, LNTP
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: Mark Smith

Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTP,
email=marksmith@hbepln.com, c=US
Date: 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, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: Mark Smith

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@hbeplntf.com, c=US
Date: 2017.03.21 09:18:36 -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, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: Mark Smith Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTF,
email=mark.smith@huntingtonbeach.com, c=US
Date: 2017.03.20 11:08:18 -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, LNTP
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: Mark Smith

Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTP,
email=marksmith@hbepln.com, c=US
Date: 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, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: Mark Smith

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@hbepln.com, c=US
Date: 2017.03.22 14:53:04 -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, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: Mark Smith

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, LNTP
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: Mark Smith

Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTP,
email=marksmith@hbepln.com, c=US
Date: 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, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: Mark Smith

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=mark.smith@hbeplntf.com, c=US
Date: 2017.03.27 10:20:56 -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, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: Mark Smith Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTF,
email=mark.smith@huntingtonbeach.com, c=US
Date: 2017.03.27 16:11:49 -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, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: Mark Smith

Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTF,
email=marksmith@hbeplntf.com, c=US
Date: 2017.03.28 13:05:52 -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, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: Mark Smith Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTF,
email=marksmith@huntingtonbeach.com, c=US
Date: 2017.03.28 12:03:10 -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, LNTP
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: Mark Smith

Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTP,
email=marksmith@hbepln.com, c=US
Date: 2017.03.29 16:45:25 -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, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: Mark Smith Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTF,
email=mark.smith@huntingtonbeach.com, c=US
Date: 2017.03.29 14:40:51 -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, LNTP
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: Mark Smith

Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTP,
email=marksmith@hbepln.com, c=US
Date: 2017.03.30 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). | | |

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ADDITIONAL NOTES:

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

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: Mark Smith

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, LNTP
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-001

AQCMM or Delegate signature: Mark Smith

Digitally signed by Mark Smith
DN: cn=Mark Smith, o=HBEP LNTP,
email=marksmith@hbepln.com, c=US
Date: 2017.04.24 14:10:59 -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, LNTF
(12-AFC-02C)

AQCMM or Delegate name: Mark Smith

Form: HBEP-CAQ-002

AQCMM or Delegate signature: Mark Smith

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)

Event Type Status Heading Location / Message

VEHICLE NAME: 244

3/24/2017

| | | | | | |
|-------------|------|----|---------|--|---------------------|
| 11:19:35 PM | STOP | WF | 5mph NE | 21876 Newland St & Pacific Coast Hwy Beach CA 92646 | Huntington |
| 11:20:09 PM | LOC | WF | | 21876 Newland St & Pacific Coast Hwy Beach CA 92646 | Huntington |
| 11:20:45 PM | LOC | WF | | 21874 Newland St & Pacific Coast Hwy Beach CA 92646 | Huntington |
| 11:21:22 PM | LOC | WF | | 21874 Newland St & Pacific Coast Hwy Beach CA 92646 | Huntington |
| 11:21:58 PM | LOC | WF | | 21872 Newland St & Pacific Coast Hwy Beach CA 92646 | Huntington |
| 11:22:28 PM | INB | WO | | 21872 Newland St & Pacific Coast Hwy Beach CA 92646 | Huntington |
| | | | | WATER ON | |
| 11:22:34 PM | LOC | WO | | 21872 Newland St & Pacific Coast Hwy Beach CA 92646 | Huntington |
| 11:22:55 PM | INB | WF | | 21868 Newland St & Pacific Coast Hwy Beach CA 92646 | Huntington |
| | | | | WATER OFF | |
| 11:23:00 PM | INB | WO | | 21868 Newland St & Pacific Coast Hwy Beach CA 92646 | Huntington |
| | | | | WATER ON | |
| 11:23:10 PM | LOC | WO | | 21866 Newland St & Pacific Coast Hwy Beach CA 92646 | Huntington |
| 11:23:46 PM | LOC | WO | 5mph NE | 21814 Newland St & Biscayne Dr CA 92646 | Huntington Beach |
| 11:24:22 PM | LOC | WO | 5mph NE | 21772 Newland St & Biscayne Dr CA 92646 | Huntington Beach |
| 11:24:58 PM | LOC | WO | 4mph NE | 21748 Newland St & Edison Dr 92646 | Huntington Beach CA |
| 11:25:34 PM | LOC | WO | 4mph NE | 21706 Newland St & Edison Dr 92646 | Huntington Beach CA |
| 11:26:10 PM | LOC | WO | 3mph NE | 8560 Edison Dr & Newland St 92646 | Huntington Beach CA |
| 11:26:46 PM | LOC | WO | 3mph NE | 8644 Edison Dr & Newland St 92646 | Huntington Beach CA |
| 11:27:22 PM | LOC | WO | | 8680 Edison Dr & Newland St 92646 | Huntington Beach CA |
| 11:27:58 PM | LOC | WO | | 8690 Edison Dr & Newland St 92646 | Huntington Beach CA |

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)

Event Type Status Heading Location / Message

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)

Event Type Status Heading Location / Message

VEHICLE NAME: 244

3/24/2017

| | | | | |
|-------------|-----|----|--|---------------------|
| 11:53:31 PM | INB | WF | 21592 Newland St & Edison Dr 92646 WATER OFF | Huntington Beach CA |
| 11:53:46 PM | LOC | WF | 21590 Newland St & Edison Dr 92646 | Huntington Beach CA |
| 11:54:01 PM | INB | WO | 21590 Newland St & Edison Dr 92646 WATER ON | Huntington Beach CA |
| 11:54:19 PM | INB | WF | 21596 Newland St & Edison Dr 92646 WATER OFF | Huntington Beach CA |
| 11:54:22 PM | LOC | WF | 21596 Newland St & Edison Dr 92646 | Huntington Beach CA |
| 11:54:33 PM | INB | WO | 21596 Newland St & Edison Dr 92646 WATER ON | Huntington Beach CA |
| 11:54:58 PM | LOC | WO | 21596 Newland St & Edison Dr 92646 | Huntington Beach CA |
| 11:55:34 PM | LOC | WO | 21596 Newland St & Edison Dr 92646 | Huntington Beach CA |
| 11:55:52 PM | INB | WF | 21594 Newland St & Edison Dr 92646 WATER OFF | Huntington Beach CA |
| 11:56:10 PM | LOC | WF | 21596 Newland St & Edison Dr 92646 | Huntington Beach CA |
| 11:56:46 PM | LOC | WF | 21598 Newland St & Edison Dr 92646 | Huntington Beach CA |
| 11:57:22 PM | LOC | WF | 21596 Newland St & Edison Dr 92646 | Huntington Beach CA |
| 11:57:50 PM | INB | WO | 21596 Newland St & Edison Dr 92646 WATER ON | Huntington Beach CA |
| 11:57:58 PM | LOC | WO | 21596 Newland St & Edison Dr 92646 | Huntington Beach CA |
| 11:58:12 PM | INB | WF | 21598 Newland St & Edison Dr 92646 WATER OFF | Huntington Beach CA |

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

| | | | |
|-------------|-----|----|--|
| 11:58:34 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)

Event Type Status Heading Location / Message

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)

Event Type Status Heading Location / Message

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

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

| | | | | |
|------------|-----|----|--|------------------|
| 2:34:02 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)

Event Type **Status** **Heading** **Location / Message**

VEHICLE NAME: 244

3/25/2017

| | | | | |
|------------|-----|----|--|------------------|
| 2:46:02 AM | LOC | WF | 9945 Adams Ave & Brookhurst St CA 92646 | Huntington Beach |
| 2:46:38 AM | LOC | WF | 9943 Adams Ave & Brookhurst St CA 92646 | Huntington Beach |
| 2:47:14 AM | LOC | WF | 9943 Adams Ave & Brookhurst St CA 92646 | Huntington Beach |
| 2:47:50 AM | LOC | WF | 9943 Adams Ave & Brookhurst St CA 92646 | Huntington Beach |
| 2:48:26 AM | LOC | WF | 9945 Adams Ave & Brookhurst St CA 92646 | Huntington Beach |
| 2:49:02 AM | LOC | WF | 9945 Adams Ave & Brookhurst St CA 92646 | Huntington Beach |
| 2:49:38 AM | LOC | WF | 9945 Adams Ave & Brookhurst St CA 92646 | Huntington Beach |
| 2:50:14 AM | LOC | WF | 9943 Adams Ave & Brookhurst St CA 92646 | Huntington Beach |
| 2:50:50 AM | LOC | WF | 9943 Adams Ave & Brookhurst St CA 92646 | Huntington Beach |
| 2:51:26 AM | LOC | WF | 9943 Adams Ave & Brookhurst St CA 92646 | Huntington Beach |
| 2:52:02 AM | LOC | WF | 9945 Adams Ave & Brookhurst St CA 92646 | Huntington Beach |
| 2:52:38 AM | LOC | WF | 9945 Adams Ave & Brookhurst St CA 92646 | Huntington Beach |
| 2:53:14 AM | LOC | WF | 9945 Adams Ave & Brookhurst St CA 92646 | Huntington Beach |
| 2:53:50 AM | LOC | WF | 9945 Adams Ave & Brookhurst St CA 92646 | Huntington Beach |
| 2:54:26 AM | LOC | WF | 9943 Adams Ave & Brookhurst St CA 92646 | Huntington Beach |
| 2:55:02 AM | LOC | WF | 9943 Adams Ave & Brookhurst St CA 92646 | Huntington Beach |
| 2:55:38 AM | LOC | WF | 9943 Adams Ave & Brookhurst St CA 92646 | Huntington Beach |
| 2:56:14 AM | LOC | WF | 9943 Adams Ave & Brookhurst St CA 92646 | Huntington Beach |
| 2:56:50 AM | LOC | WF | 9943 Adams Ave & Brookhurst St CA 92646 | Huntington Beach |
| 2:57:26 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

| | | | | |
|------------|-----|----|--|------------------|
| 2:58:02 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 | Huntington Beach CA 92646 |
| 3:10:38 AM | LOC | WF | | 9943 Adams Ave & Brookhurst St | Huntington Beach CA 92646 |
| 3:11:14 AM | LOC | WF | | 9943 Adams Ave & Brookhurst St | Huntington Beach CA 92646 |
| 3:11:50 AM | LOC | WF | | 9945 Adams Ave & Brookhurst St | Huntington Beach CA 92646 |
| 3:12:26 AM | LOC | WF | | 9945 Adams Ave & Brookhurst St | Huntington Beach CA 92646 |
| 3:13:02 AM | LOC | WF | | 9945 Adams Ave & Brookhurst St | Huntington Beach CA 92646 |
| 3:13:38 AM | LOC | WF | | 9945 Adams Ave & Brookhurst St | Huntington Beach CA 92646 |
| 3:14:14 AM | LOC | WF | | 9945 Adams Ave & Brookhurst St | Huntington Beach CA 92646 |
| 3:14:50 AM | LOC | WF | | 9945 Adams Ave & Brookhurst St | Huntington Beach CA 92646 |
| 3:15:26 AM | LOC | WF | | 9945 Adams Ave & Brookhurst St | Huntington Beach CA 92646 |
| 3:16:02 AM | LOC | WF | | 9943 Adams Ave & Brookhurst St | Huntington Beach CA 92646 |
| 3:16:38 AM | LOC | WF | 3mph NE | 9949 Adams Ave & Brookhurst St | Huntington Beach CA 92646 |
| 3:16:43 AM | INB | WO | 2mph NE | 9945 Adams Ave & Brookhurst St | Huntington Beach CA 92646 |
| | | | | WATER ON | |
| 3:17:14 AM | LOC | WO | 5mph NE | 9897 Adams Ave & Sutton Ln | Huntington Beach CA 92646 |
| 3:17:26 AM | STOP | WO | 5mph W | 9869 Adams Ave & Sutton Ln | Huntington Beach CA 92646 |
| 3:17:50 AM | LOC | WO | 5mph W | 9831 Adams Ave & Sutton Ln | Huntington Beach CA 92646 |
| 3:18:26 AM | LOC | WO | 5mph W | 9789 Adams Ave & Sutton Ln | Huntington Beach CA 92646 |
| 3:19:02 AM | LOC | WO | 5mph W | 9791 Adams Ave & Sutton Ln | Huntington Beach CA 92646 |
| 3:19:38 AM | LOC | WO | 6mph W | Derbyshire Ln & Adams Ave | 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

| | | | | |
|------------|-----|----|--------|--|
| 3:20:14 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 | | | | |
|------------|------|----|--------|---|
| 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)

Event Type Status Heading Location / Message

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

[illegible]

AES Huntington Beach Energy Project

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

[illegible]

[illegible]

AES Huntington Beach Energy Project

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

[illegible]

[illegible]

[illegible]

[illegible]

AES Huntington Beach Energy Project

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

[illegible]

AES Huntington Beach Energy Project

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

[illegible]

[illegible]

AES Huntington Beach Energy Project

[illegible]

AES Huntington Beach Energy Project

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

[illegible]

AES Huntington Beach Energy Project

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

[illegible]

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

[illegible]

AES Huntington Beach Energy Project

[illegible]

[illegible]

AES Huntington Beach Energy Project

[illegible]

AES Huntington Beach Energy Project

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

[illegible]

[illegible]

[illegible]

AES Huntington Beach Energy Project

AES Huntington Beach Energy Project

AES Huntington Beach Energy Project

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

[illegible]

AES Huntington Beach Energy Project

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

[illegible]

AES Huntington Beach Energy Project

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

[illegible]

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 B – BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG

APPENDIX C – WILDLIFE OBSERVATION FORMS

APPENDIX D – OBSERVED WILDLIFE SPECIES LIST

This Monthly Compliance Report (MCR) summarizes biological resources monitoring activities and documentation conducted during the Limited Notice to Proceed (LNTP) of the Huntington Beach Energy Project (HBEP) 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 (LNTN)
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 |
| <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 | |
|---|-----------------------|---------------------------------|--------------------------------|-----------------------|--|--|
| 03/02/2017 | 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 | |
| <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 (LNTF)
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 | |
| <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 | | 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 | | | | | | |
| | | | | | | |

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

BIOLOGICAL RESOURCES DAILY INSPECTION LOG

| Date | Day | Inspector/Contractor | | | Inspector/Contractor Company |
|--|-----------------------|------------------------|--------------------------------|----------------------|------------------------------|
| 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 | | | | | |
| | | | | | |

**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 | |
| <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 | | 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 (LNTF)

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 | | | | | | |
| | | | | | | |

**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 (LNTF)

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 | | | | | | |
| | | | | | | |

**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 (LNTF)

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 | | | | | | |
| | | | | | | |

**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 | |
| <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 | | 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 | |
| <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, 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 | | | | | | |
| | | | | | | |

**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 | |
| <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, 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 | | | | | | |
| | | | | | | |

**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 pm |
| <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, 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 | |
|---|-----------------------|---------------------------------|--------------------------------|-------------------------|--|--|
| 03/16/2017 | 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 | |
| <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, 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 | | | | | | |
| | | | | | | |

**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 | |
| <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, 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 | | | | | | |
| | | | | | | |

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

BIOLOGICAL RESOURCES DAILY INSPECTION LOG

| Date | Day | Inspector/Contractor | | | Inspector/Contractor Company | |
|--|-----------------------|------------------------|--------------------------------|----------------------|---|--|
| 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 | | | | | | |
| | | | | | | |

**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 |
| <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-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 | | | | | |
| | | | | | |

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

BIOLOGICAL RESOURCES DAILY INSPECTION LOG

| Date | Day | Inspector/Contractor | | | Inspector/Contractor Company | |
|--|-----------------------|------------------------|--------------------------------|----------------------|---|--|
| 03/21/2017 | 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 | |
| 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 | | | | | | |
| | | | | | | |

**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 (LNTF)

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 | | | | | | |
| | | | | | | |

**AES Southland Development Huntington Beach Energy Project
(HBEP) Limited Notice to Proceed (LNTF)
BIOLOGICAL RESOURCES DAILY INSPECTION LOG**

| Date | Day | Inspector/Contractor | | | Inspector/Contractor Company |
|---|-----------------------|---------------------------------|--------------------------------|--|---|
| 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 |
| <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 | | 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 | | | | | |
| | | | | | |

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

BIOLOGICAL RESOURCES DAILY INSPECTION LOG

| Date | Day | Inspector/Contractor | | | Inspector/Contractor Company | |
|--|-----------------------|------------------------|--------------------------------|----------------------|------------------------------|--|
| 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 | | | | | | |
| | | | | | | |

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

BIOLOGICAL RESOURCES DAILY INSPECTION LOG

| Date | Day | Inspector/Contractor | | | Inspector/Contractor Company | |
|--|-----------------------|------------------------|--------------------------------|----------------------|--------------------------------|--|
| 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 | | | | | | |
| | | | | | | |

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

BIOLOGICAL RESOURCES DAILY INSPECTION LOG

| Date | Day | Inspector/Contractor | | | Inspector/Contractor Company |
|--|-----------------------|------------------------|--------------------------------|----------------------|--------------------------------|
| 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 | | | | | |
| | | | | | |

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

BIOLOGICAL RESOURCES DAILY INSPECTION LOG

| Date | Day | Inspector/Contractor | | | Inspector/Contractor Company |
|--|-----------------------|------------------------|--------------------------------|-------------------------|--------------------------------|
| 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 (LNTF)

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 (LNTF)

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 | |
| <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, 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

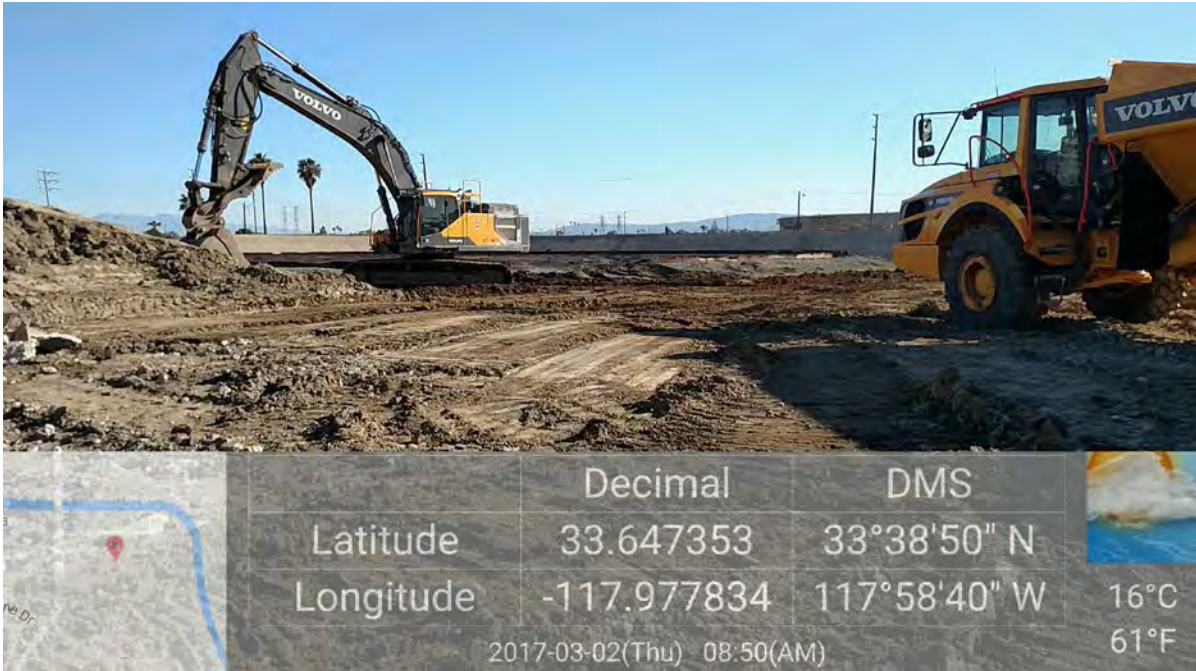
| AES Southland Development Huntington Beach Energy Project (HBEP) | | | | | |
|---|--------------|----------------|-----------------------------|----------------|------------------|
| BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG | | | | | |
| Date | | Monitor | | | Time (Begin-End) |
| March 2, 2017 | | 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 (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.</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 LNTF site. <p>Other Biological Resources Observations:</p> <ul style="list-style-type: none"> Coyote (<i>Canis latrans</i>) tracks were observed within the LNTF 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: | | | | | |
| Allen's hummingbird (<i>Selasphorus sasin</i>), American crow (<i>Corvus brachyrhynchos</i>), Anna's hummingbird (<i>Calypete 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. | | | | | |

Photo 1



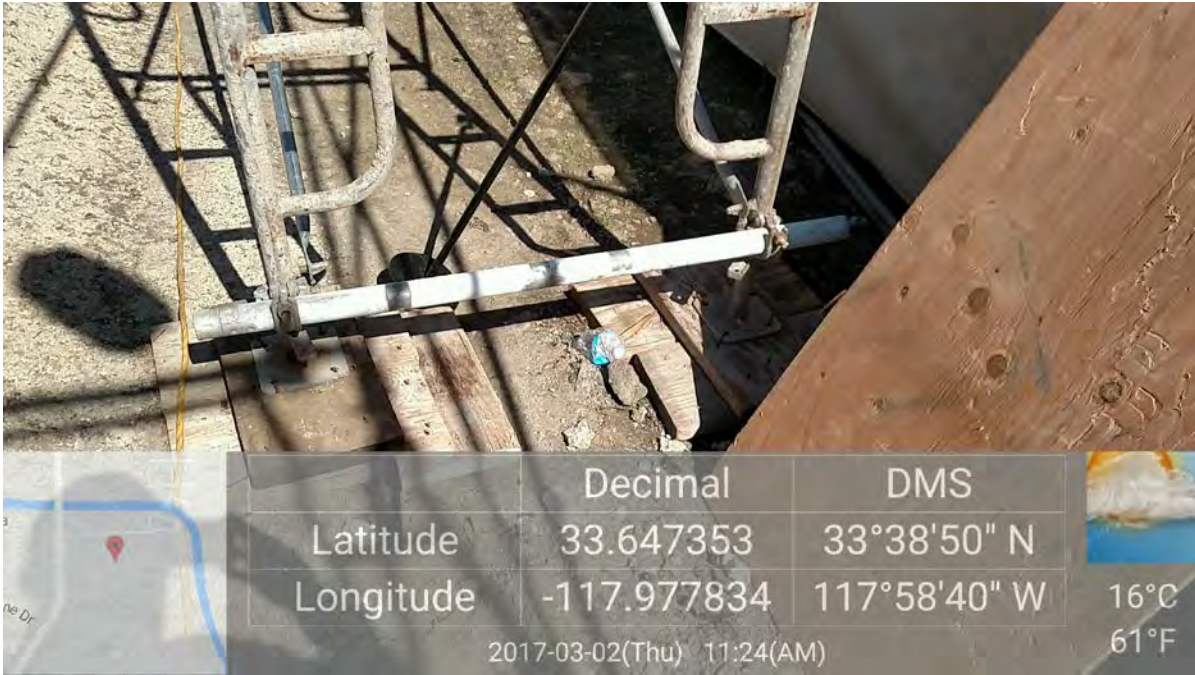
| | | | |
|----------|-------------------------|-------------|---|
| Location | LNTP: Containment basin | Description | Overview of the containment basin within the LNTP boundary. |
|----------|-------------------------|-------------|---|

Photo 2



| | | | |
|----------|--------------------------|-------------|---|
| Location | LNTP: Containment basin. | Description | Overview of the demolition activities within the containment basin. |
|----------|--------------------------|-------------|---|

Photo 3



Location

LNTP: Fence line.

Description

Litter observed underneath the scaffolding.

Photo 4



Location

LNTP: Perimeter fence line.

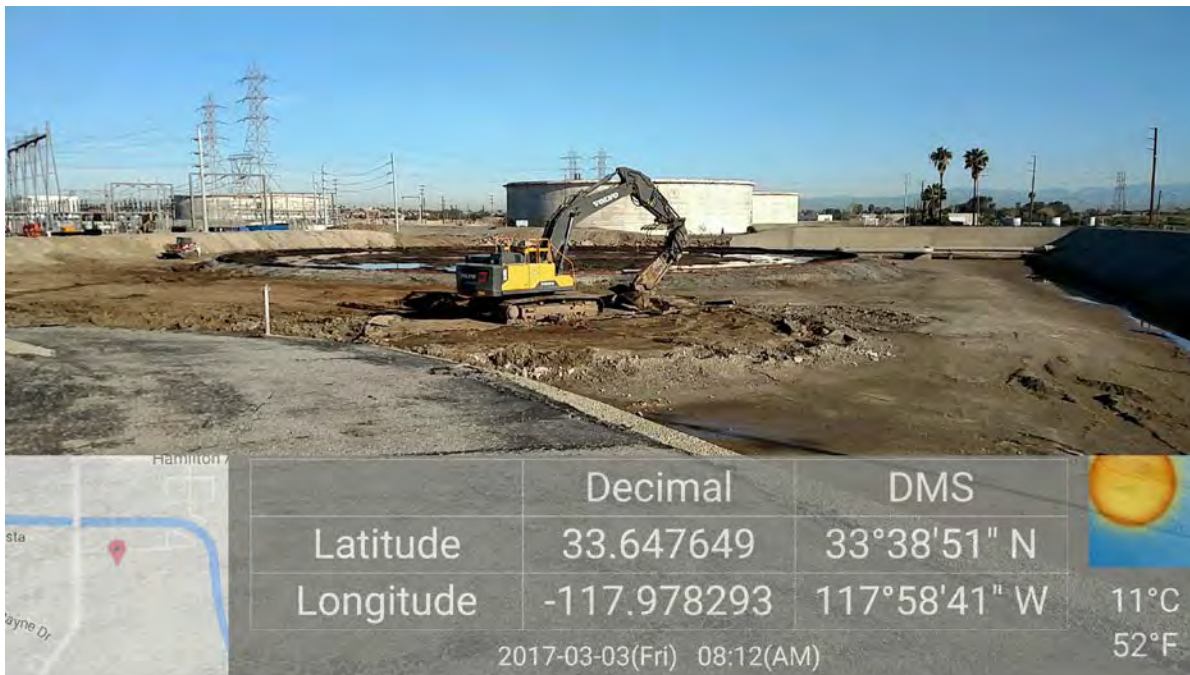
Description

Overview of the scaffolding near the perimeter fenceline.

| 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 (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"> 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>Haemorrhous 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. <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 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 LNTF site. <p>Other Biological Resources Observations:</p> <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 LNTF site. Coyote (<i>Canis latrans</i>) tracks were observed within the LNTF 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, 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

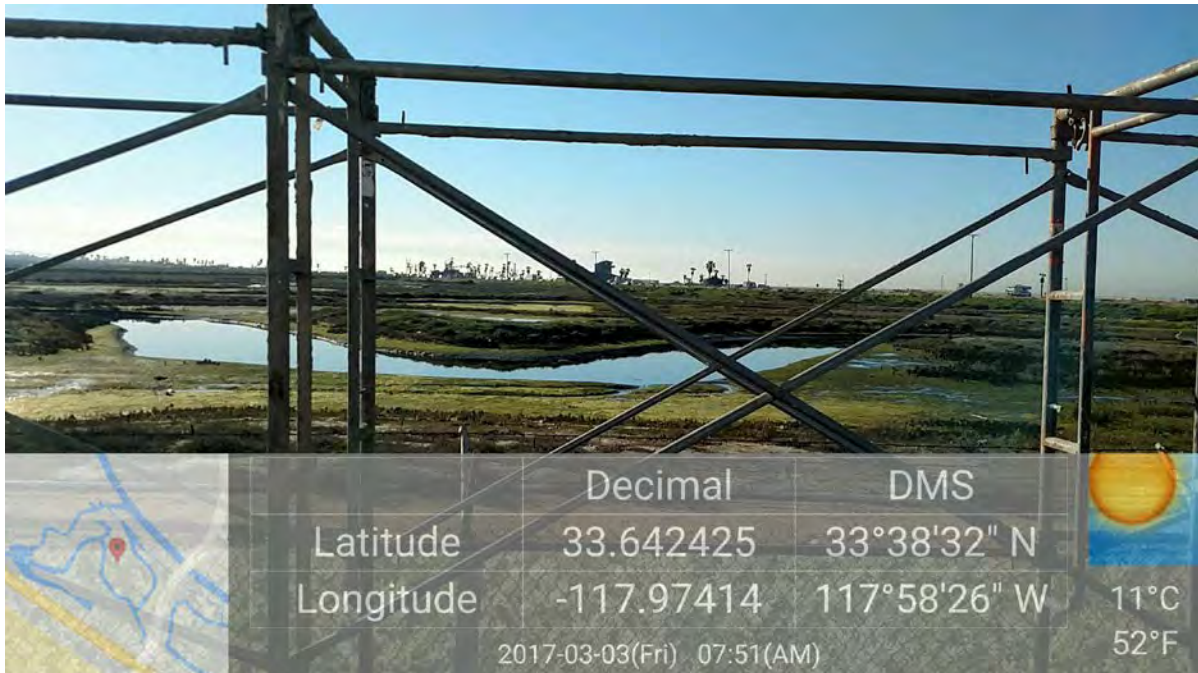
Overview of the containment basin within the LNTP boundary.

Photo 2



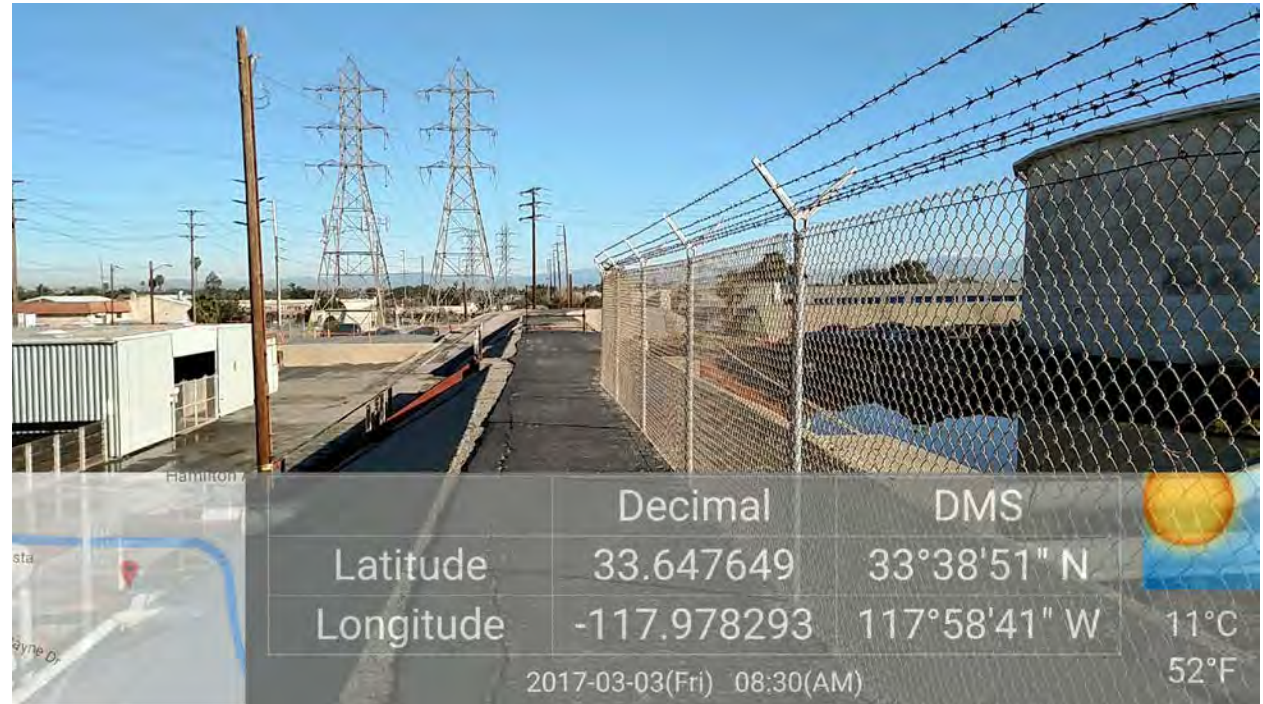
| | | | |
|-----------------|---|--------------------|--|
| Location | LNTP: Killdeer nest within the containment basin. | Description | Overview of the killdeer nest no-disturbance buffer. |
|-----------------|---|--------------------|--|

Photo 3



| | | | |
|-----------------|-------------------|--------------------|---|
| Location | LNTP: Fence line. | Description | Overview of the Magnolia Marsh from the perimeter fence line. |
|-----------------|-------------------|--------------------|---|

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). |
|-----------------|---|--------------------|--|

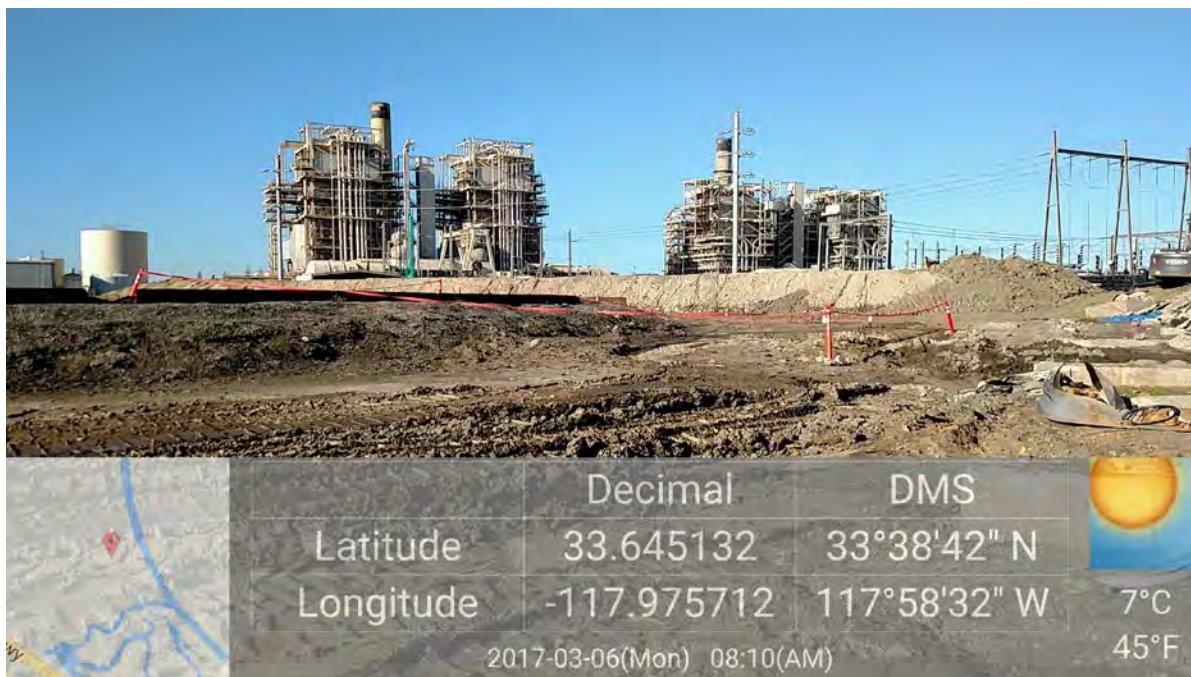
| AES Southland Development Huntington Beach Energy Project (HBEP) | | | | | |
|---|--------------|----------------|-----------------------------|----------------|------------------|
| BIOLOGICAL RESOURCES | | | | | |
| COMPLIANCE MONITORING LOG | | | | | |
| Date | | Monitor | | | Time (Begin-End) |
| 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 | | | | | |
| <p>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.</p> <p>Nesting Bird Observations:</p> <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. <p>Special-Status Species Observed:</p> <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). <p>Other Biological Resources Observations:</p> <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. <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: | | | | | |
| Allen's hummingbird (<i>Selasphorus sasin</i>), American crow (<i>Corvus brachyrhynchos</i>), American kestrel, Anna's hummingbird (<i>Calypete anna</i>), Bewick's wren (<i>Thryomanes bewickii</i>), black phoebe (<i>Sayornis nigricans</i>), blue-gray gnatcatcher (<i>Poliopitila 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. |
|----------|-------------------------|-------------|---|

Photo 2



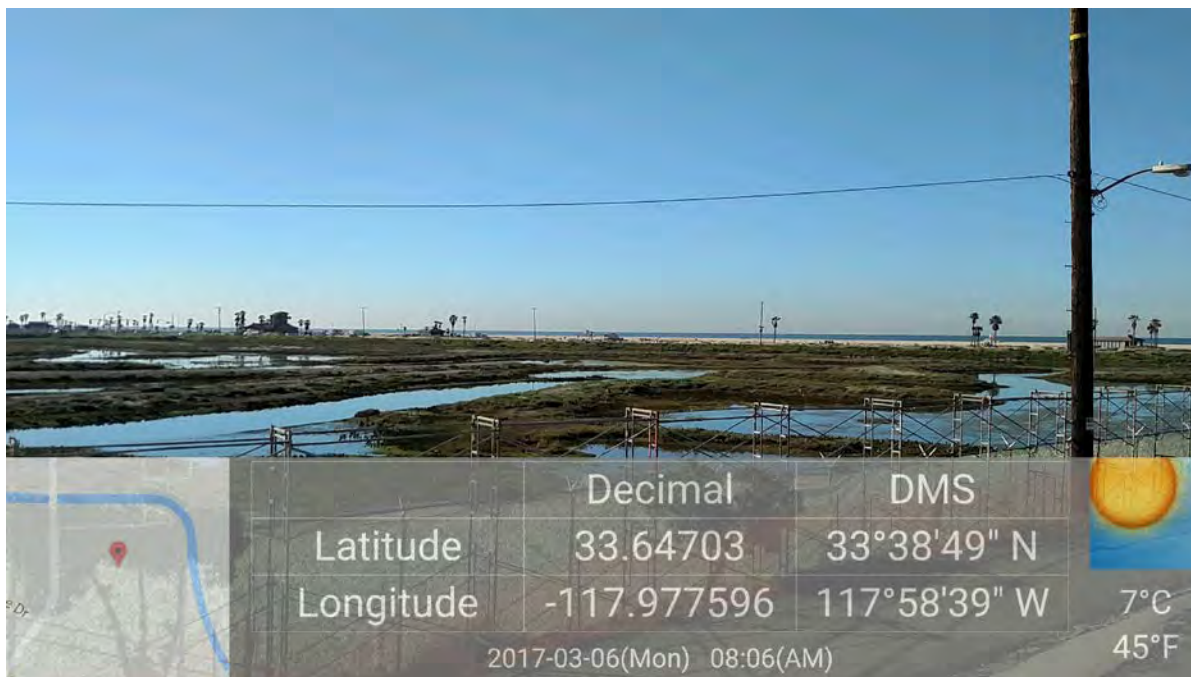
Location

LNTP: Killdeer nest within the containment basin.

Description

Overview of the killdeer nest no-disturbance buffer.

Photo 3



Location

LNTP: Fence line.

Description

Overview of the Magnolia Marsh from the containment basin berm.

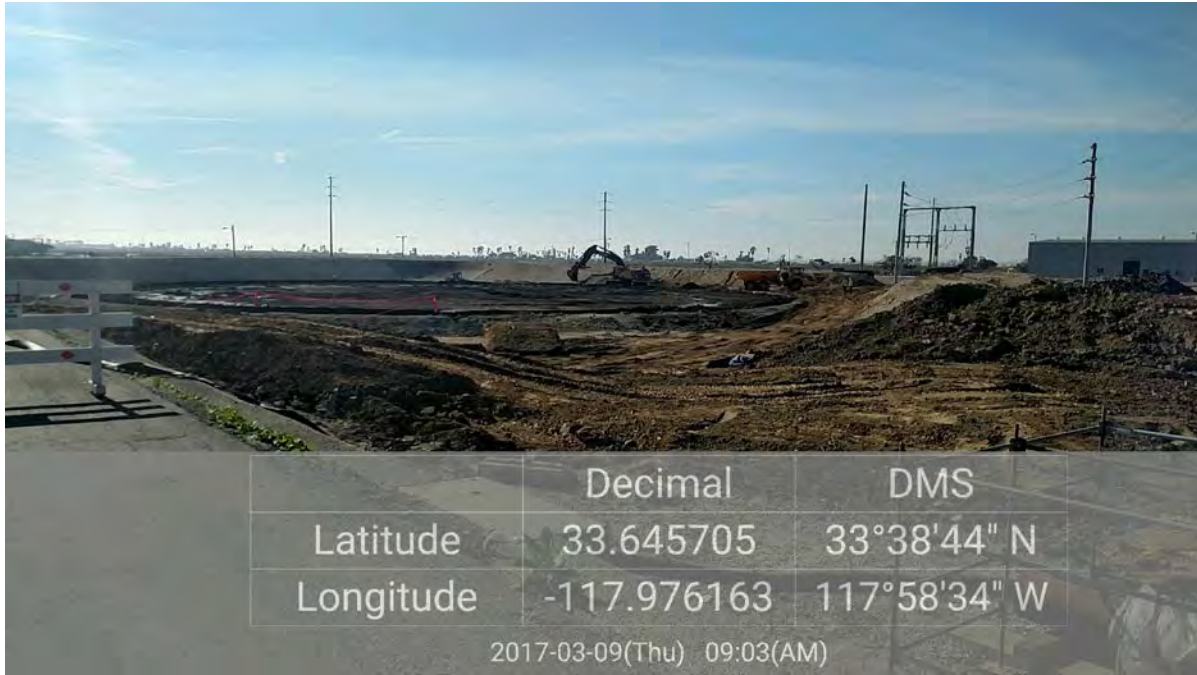
Photo 4



| | | | |
|----------|-----------|-------------|-------------------------------|
| Location | LNTP site | Description | An overview of the LNTP site. |
|----------|-----------|-------------|-------------------------------|

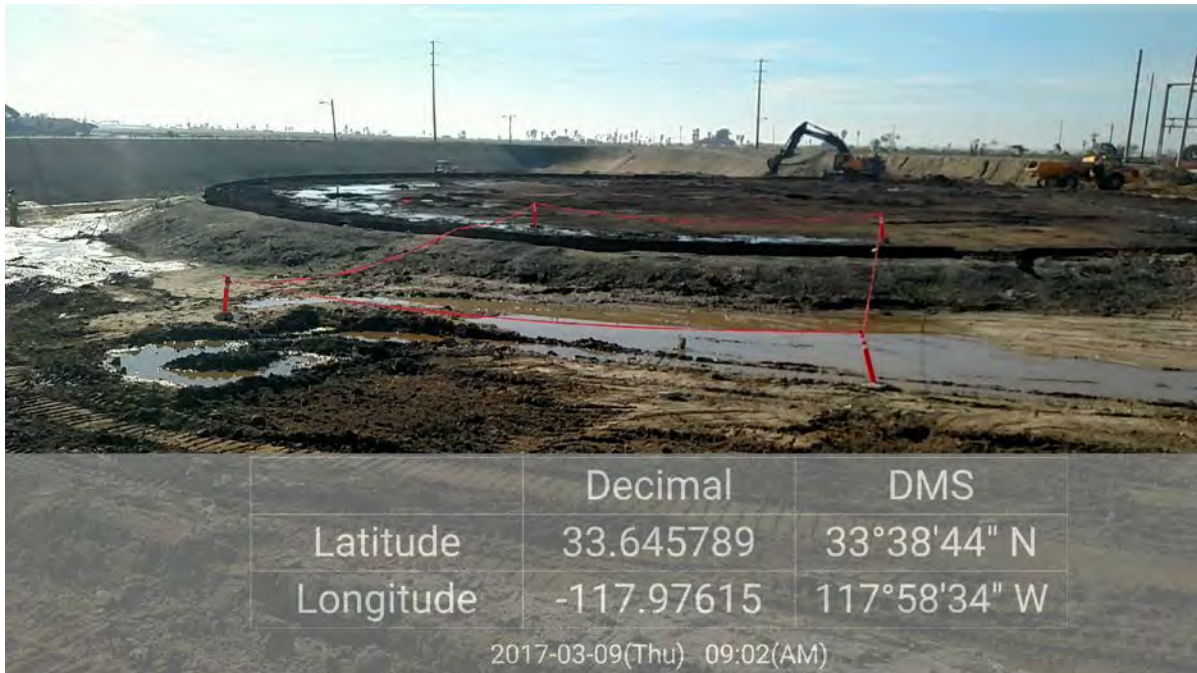
| AES Southland Development Huntington Beach Energy Project (HBEP) | | | | | |
|--|--------------|----------------|-----------------------------|----------------|------------------|
| BIOLOGICAL RESOURCES COMPLIANCE MONITORING LOG | | | | | |
| Date | | Monitor | | | Time (Begin-End) |
| March 9, 2017 | | 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 | | | | | |
| <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). An active Anna's hummingbird (<i>Calypte anna</i>) nest was located and a 25-foot no-disturbance buffer was established (Photo 3). <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 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. <p>Other Biological Resources Observations:</p> <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. <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: | | | | | |
| <p>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>).</p> | | | | | |

Photo 1



| | | | |
|-----------------|-------------------------|--------------------|---|
| Location | LNTP: Containment basin | Description | Overview of the containment basin within the LNTP boundary. |
|-----------------|-------------------------|--------------------|---|

Photo 2



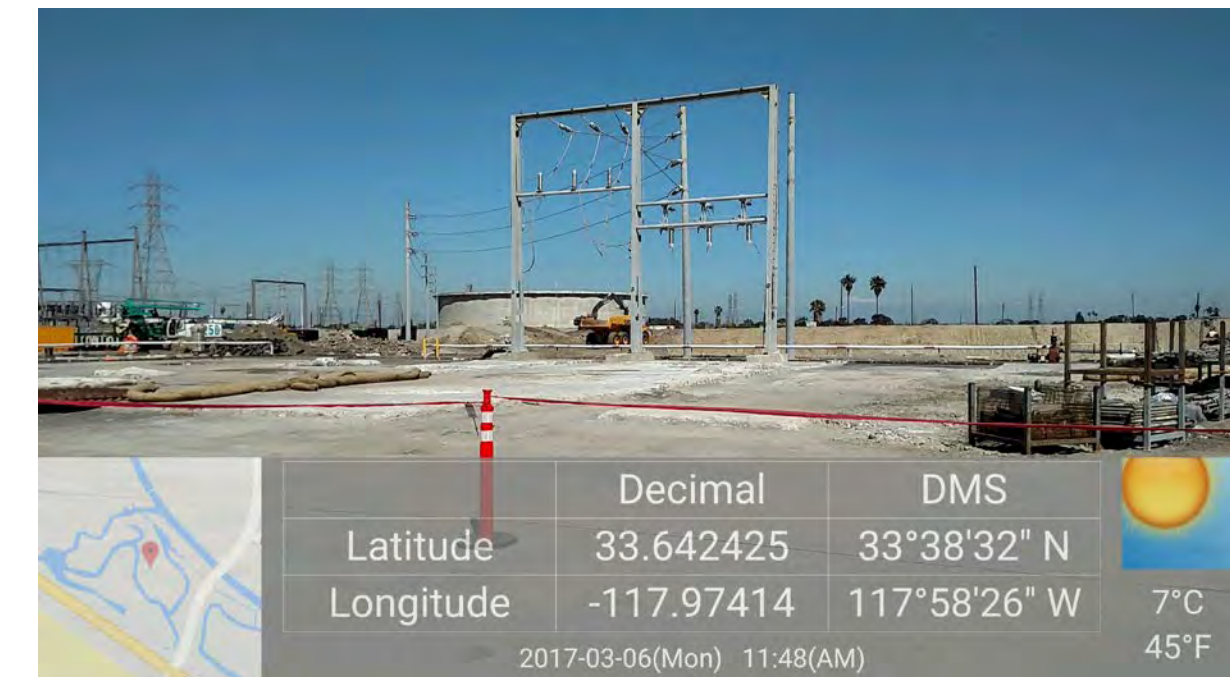
| | | | |
|-----------------|---|--------------------|--|
| Location | LNTP: Killdeer nest within the containment basin. | Description | Overview of the killdeer nest no-disturbance buffer. |
|-----------------|---|--------------------|--|

Photo 3



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

Photo 4

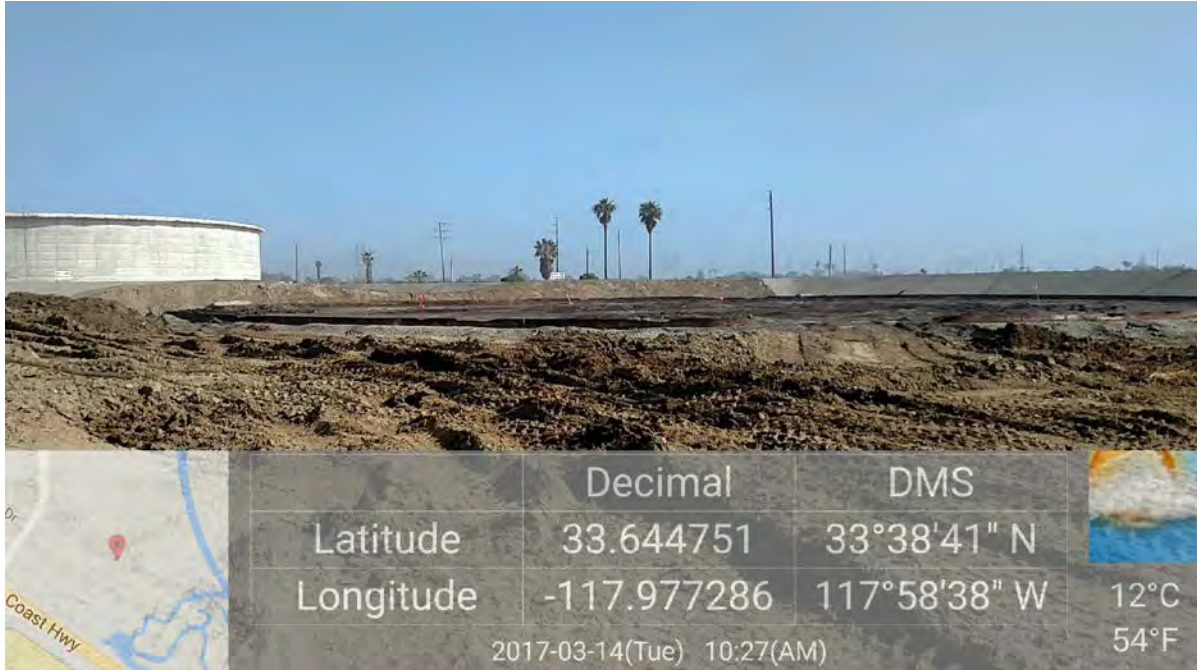


| | | | |
|----------|-----------|-------------|-------------------------------|
| Location | LNTP site | Description | An overview of the LNTP site. |
|----------|-----------|-------------|-------------------------------|

| 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 (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). 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. <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 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. <p>Other Biological Resources Observations:</p> <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. 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. <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 (*Corvus brachyrhynchos*), American kestrel (*Falco sparverius*), Anna's hummingbird, belted kingfisher (*Megasceryle alcyon*), Bewick's wren (*Thryomanes bewickii*), black phoebe (*Sayornis nigricans*), blue-gray gnatcatcher (*Polioptila 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. |
|----------|-------------------------|-------------|---|

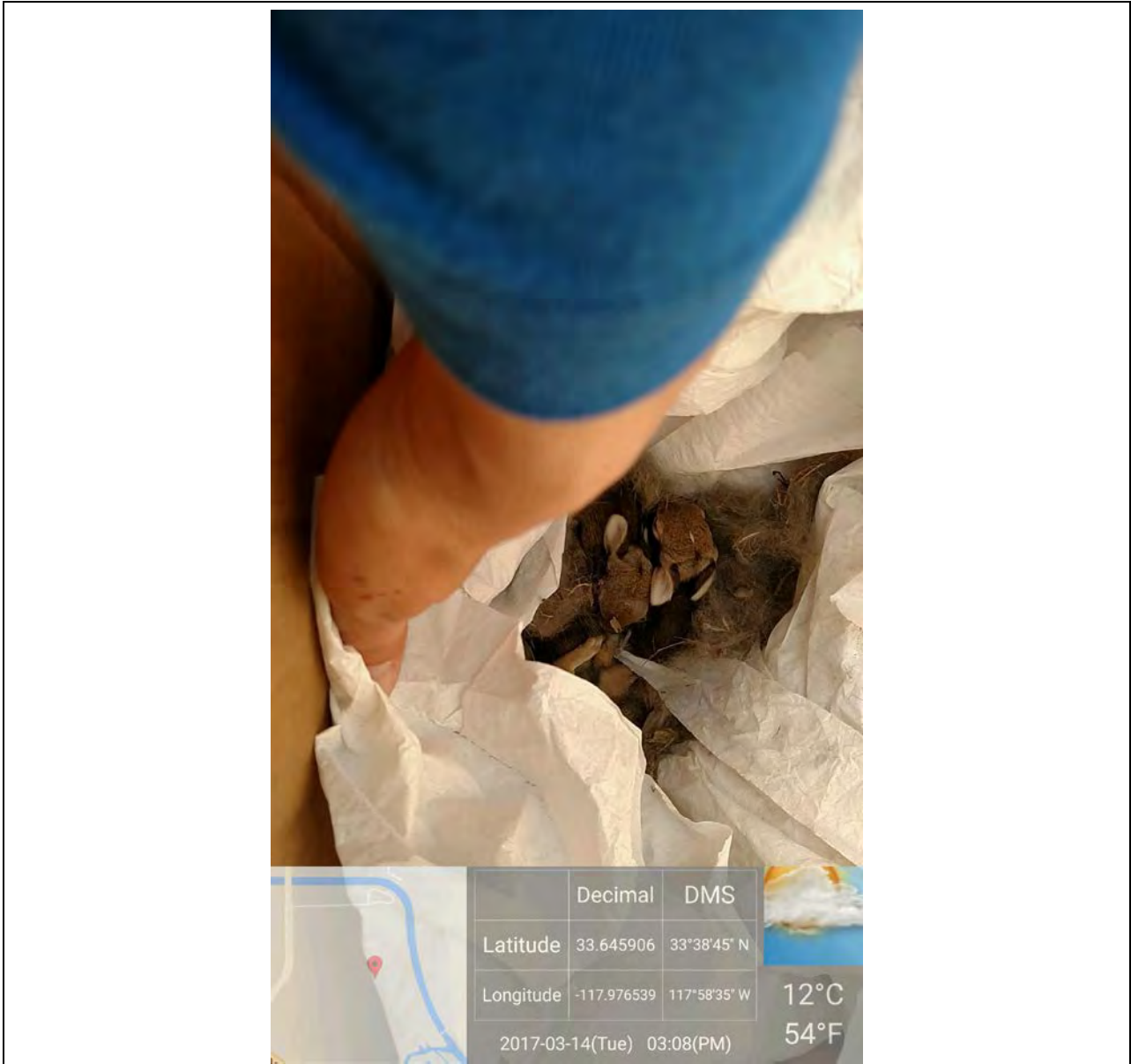
Photo 2

| | | | |
|--|---|-------------|---|
|  | | | |
|  | | Decimal | DMS |
| | Latitude | 33.645531 | 33°38'43" N |
| | Longitude | -117.975595 | 117°58'32" W |
| 2017-03-14(Tue) 10:33(AM) | | |  12°C 54°F |
| Location | LNTP: Killdeer nest within the containment basin. | | Description |
| | | | Overview of the killdeer nest no-disturbance buffer. |

Photo 3

| | | | |
|--|-------------------|-------------|---|
|  | | | |
|  | | Decimal | DMS |
| | Latitude | 33.64381 | 33°38'37" N |
| | Longitude | -117.977111 | 117°58'37" W |
| 2017-03-16(Thu) 10:02(AM) | | |  15°C 59°F |
| Location | LNTP: Fence line. | | Description |
| | | | Overview of the Anna's humming nest 25-foot no-disturbance buffer. |

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. |
|----------|-----------|-------------|--|

| 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 | 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. |
|-----------------|---|--------------------|--|

Photo 3



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

Photo 4



| | | | |
|----------|-----------|-------------|-------------------------------|
| Location | LNTP site | Description | An overview of the LNTP site. |
|----------|-----------|-------------|-------------------------------|

| 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 | | | | | |
| <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 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. <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). <p>Other Biological Resources Observations:</p> <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. <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: | | | | | |
| <p>American crow (<i>Corvus brachyrhynchos</i>), American kestrel (<i>Falco sparverius</i>), American wigeon (<i>Anas americana</i>), Anna's hummingbird (<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>).</p> | | | | | |

Photo 1

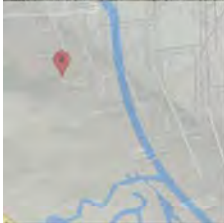


| | Decimal | DMS |
|---------------------------|-------------|--------------|
| Latitude | 33.646513 | 33°38'47" N |
| Longitude | -117.976965 | 117°58'37" W |
| 2017-03-20(Mon) 09:59(AM) | | |



| | | | |
|-----------------|-------------------------|--------------------|---|
| Location | LNTP: Containment basin | Description | Overview of the containment basin within the LNTP boundary. |
|-----------------|-------------------------|--------------------|---|

Photo 2



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



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

Photo 3



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

Photo 4

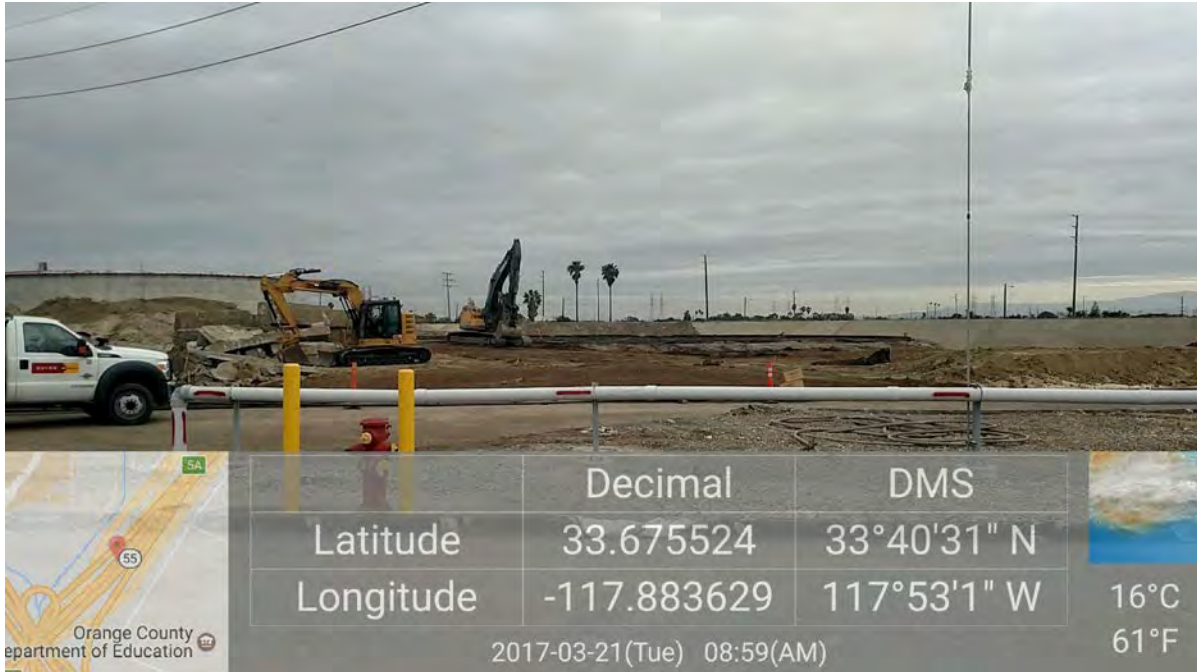


| | | | |
|----------|---|-------------|--|
| Location | LNTF: Killdeer nest within the containment basin. | Description | Overview of the killdeer nest no-disturbance buffer. |
|----------|---|-------------|--|

| 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 | | | | | |
| <p>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.</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). 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. <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 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. <p>Other Biological Resources Observations:</p> <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. <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 (*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. |
|-----------------|-------------------------|--------------------|---|

Photo 2



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

Photo 3



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

Photo 4



| | | | |
|----------|-------------------|-------------|--|
| Location | LNTP: Fence line. | Description | Overview of the new Anna’s humming nest 25-foot no-disturbance buffer. |
|----------|-------------------|-------------|--|

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 | | | | | | |
| <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>) 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>Haemorrhous mexicanus</i>) pairs 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). <p>Other Biological Resources Observations:</p> <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. <p>Other Observations/Comments:</p> <ul style="list-style-type: none"> No additional observations were noted. | | | | | | |

Items Requiring Action/Follow-up

- 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 (*Zenaida macroura*), and white-throated swift (*Aeronautes saxatalis*).

Photo 1

| | | | |
|-----------------|-------------------------|--------------------|---|
| 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.

Photo 3



Location

LNTP: Killdeer nest within the containment basin.

Description

Footprints within the killdeer no-disturbance buffer.

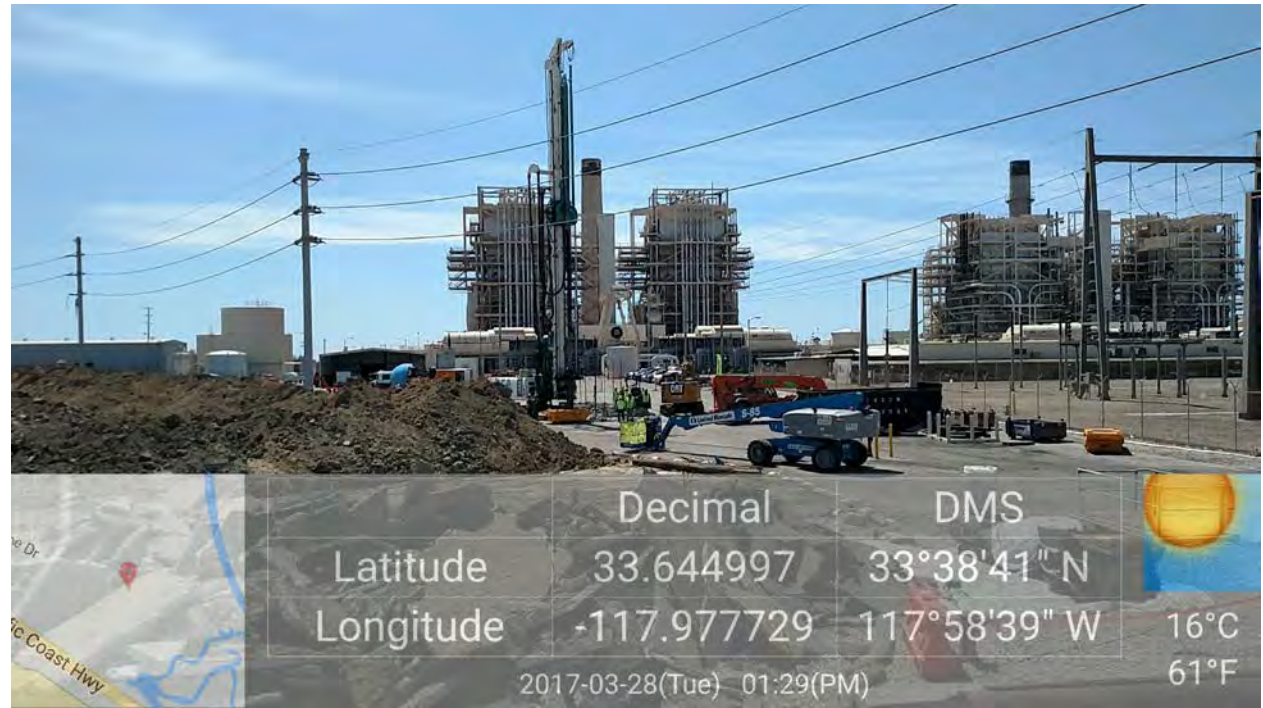
Photo 4



| | | | |
|----------|---|-------------|---|
| Location | LNTP: Killdeer nest within the containment basin. | Description | The empty killdeer nest; some blood is present within the nest. |
|----------|---|-------------|---|

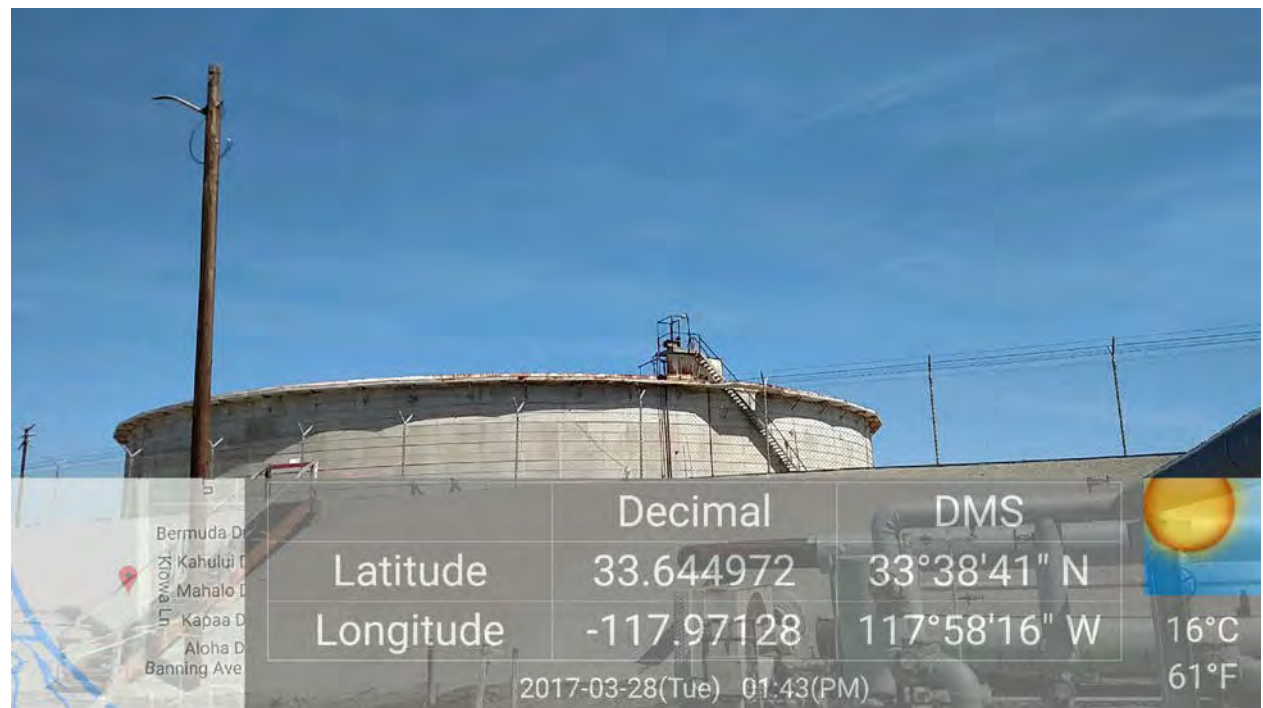
| AES Southland Development Huntington Beach Energy Project (HBEP) | | | | | |
|--|--------------|----------------|-----------------------------|----------------|------------------|
| BIOLOGICAL RESOURCES | | | | | |
| COMPLIANCE MONITORING LOG | | | | | |
| Date | | Monitor | | | Time (Begin-End) |
| 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



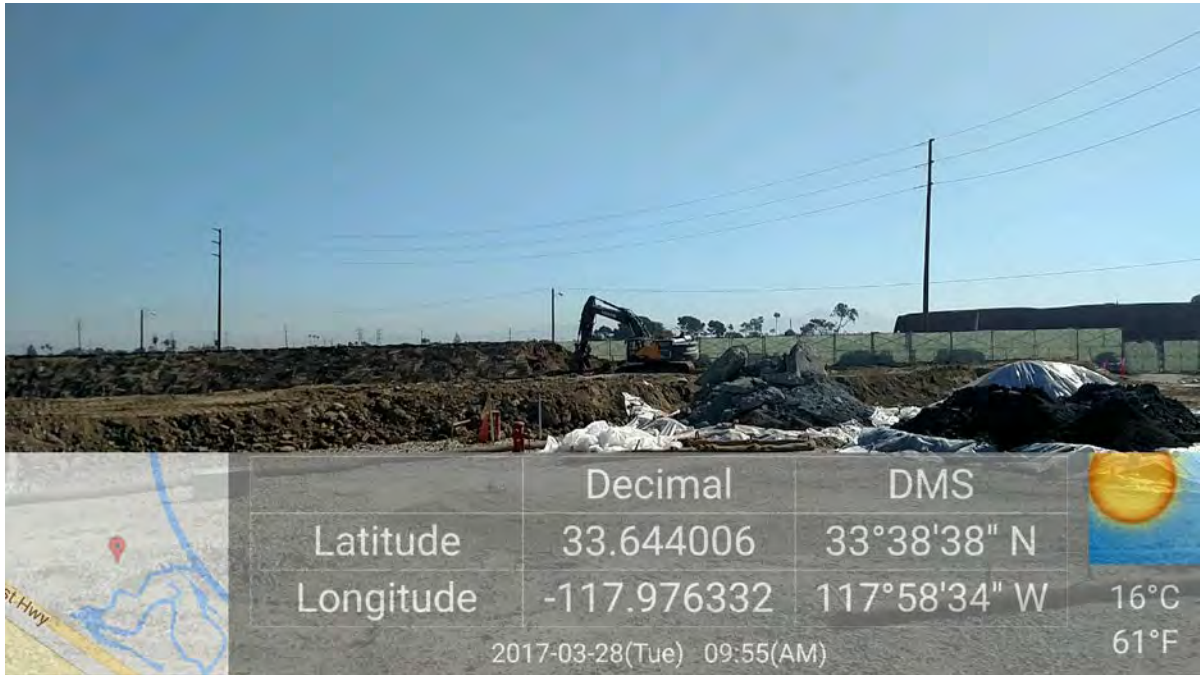
| | | | |
|----------|------------|-------------|----------------------------|
| Location | LNTP site. | Description | Overview of the LNTP site. |
|----------|------------|-------------|----------------------------|

Photo 2



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

Photo 3



| | | | |
|----------|--------------------------|-------------|---|
| Location | LNTP: containment basin. | Description | Overview of the LNTP containment basin. |
|----------|--------------------------|-------------|---|

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

AES Huntington Beach Energy Project

[illegible]

[illegible]

AES Huntington Beach Energy Project

AES Huntington Beach Energy Project

AES Huntington Beach Energy Project

Please note: By Signing below, I acknowledge that I have read or been made aware of the rules as set forth in the AES Huntington Beach Energy Project Contractor Safety Orientation Program. I also agree to abide by all terms and conditions of the AES Huntington Beach Energy Project Contractor Safety program.

[illegible]

[illegible]

[illegible]

AES Huntington Beach Energy Project

Please note: By Signing below, I acknowledge that I have read or been made aware of the rules as set forth in the AES Huntington Beach Energy Project Contractor Safety Orientation Program. I also agree to abide by all terms and conditions of the AES Huntington Beach Energy Project Contractor Safety program.

[illegible]

[illegible]

AES Huntington Beach Energy Project

Please note: By Signing below, I acknowledge that I have read or been made aware of the rules as set forth in the AES Huntington Beach Energy Project Contractor Safety Orientation Program. I also agree to abide by all terms and conditions of the AES Huntington Beach Energy Project Contractor Safety program.

[illegible]

[illegible]

[illegible]

AES Huntington Beach Energy Project

[illegible]

AES Huntington Beach Energy Project

Please note: By Signing below, I acknowledge that I have read or been made aware of the rules as set forth in the AES Huntington Beach Energy Project Contractor Safety Orientation Program. I also agree to abide by all terms and conditions of the AES Huntington Beach Energy Project Contractor Safety program.

[illegible]

AES Huntington Beach Energy Project

[illegible]

[illegible]

AES Huntington Beach Energy Project

[illegible]

AES Huntington Beach Energy Project

Please note: By Signing below, I acknowledge that I have read or been made aware of the rules as set forth in the AES Huntington Beach Energy Project Contractor Safety Orientation Program. I also agree to abide by all terms and conditions of the AES Huntington Beach Energy Project Contractor Safety program.

[illegible]

[illegible]

[illegible]

[illegible]

AES Huntington Beach Energy Project

[illegible]

AES Huntington Beach Energy Project

[illegible]

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 where 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

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
PM LIST
QUALITY CHECKLISTS
ENGINEERING RISK RATINGS AND COMPLETE DESIGNS
Mini JHA

☐
☐
☐
☐
☐

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 Testion 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 | Attachments to Work Plan | |
| 6 Set Up and Perform Lateral Load Test - See attached sketch for set up | A | Hazard Analysis |
| 6A - Install Distribution plates around test and reaction piles | B | Huntington Beach Test Locations |
| 6B - Lay Junior Beam in front of reaction pile | C | Alamitos Test Locations |
| 6C - Install Strut, Jack, and Bearing Plates | D | Installation Checklist |
| 6D - Lay Reference Beams as shown on sketch and set up dial indicator | E | Tension, Compression, Lateral Load Test Procedures and Forms |
| 6E - Perform Lateral Load Test - Use Lateral Load Test Checklist/Forms while performing test | F | Testing Sketches |
| | G | GEI Test Program |
| | H | STS List |
| | I | PM List |

[illegible]

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

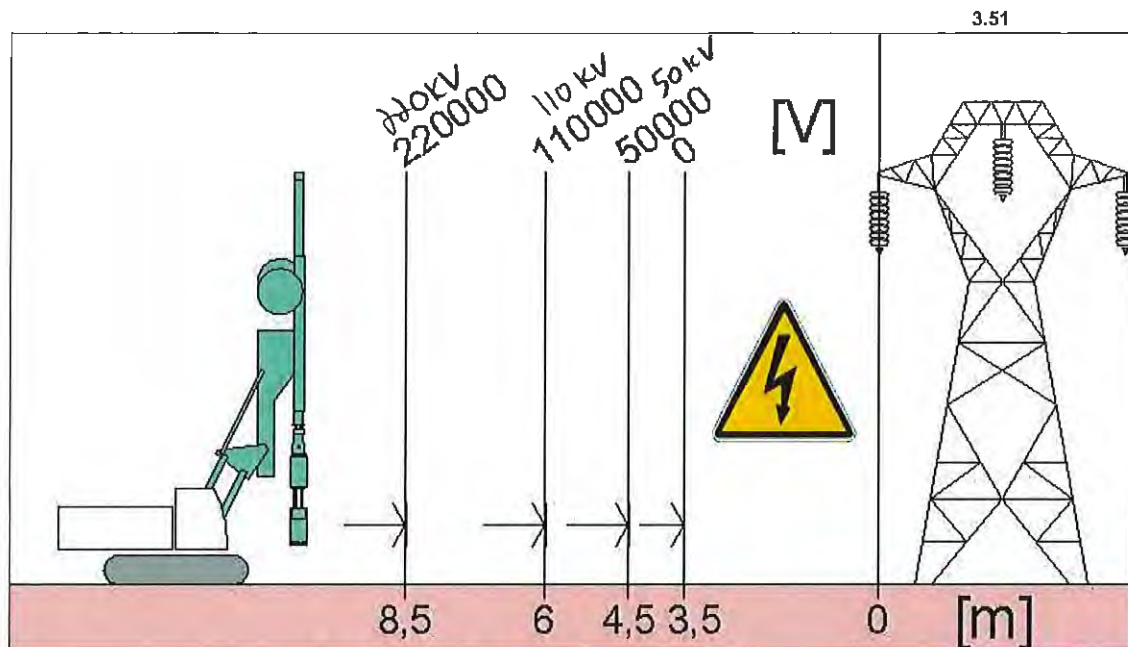
| STEP ONE: Install Test Pile | | STEP TWO: Set Up for Load Test | | STEP THREE: Perform Load Test | |
|---|---|--|--|---|--|
| WHAT IS THE WORST THAT COULD HAPPEN? | Struck by Grout Hose Line - Stored Energy | Crushed by Load | | Struck by Nut - 'STORED ENERGY IN JACKS | |
| PREVENTION PLAN (FOCUS ON 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 (Casagrande) | 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

03901

Work Order # _____

Date 3/20/2017Contract Administrator (AES): Josh WyniaEmergency Phone # (714) 227-9994Contractor/ Lead Person Rick WarnerEmergency Phone # (636) 399-4645Unit # 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 | Jeff McClarty | 3/20/17 7:02 | 1. Bowman | Bowman | 3/20/17 07:00 |
| 2. Jeff McClarty | Jeff McClarty | 3/21/17 6:54 | 2. Bowman | Bowman | 3/21/17 06:55 |
| 3. Jeff McClarty | Jeff McClarty | 3/22/17 6:53 | 3. Bowman | Bowman | 3/22/17 06:55 |
| 4. Jeff McClarty | Jeff McClarty | 3/23/17 6:54 | 4. Bowman | Bowman | 3/23/17 06:55 |
| 5. Jeff McClarty | Jeff McClarty | 3/24/17 7:10 | 5. True | True | 3/24/17 07:00 |

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 Subcontract | - Low light Areas | Clear Safety Glasses |
| 2 | Move Work Area | - Moving Equipment Slip Trips and Fall | - Know the Plan - Watch the Plan |
| 3 | Move Equipment to Unit 5 Foundation Area | - Pinch Points - Access into Work Area. | - Walk down the Plan and Access into the work area. |
| 4 | Stage Equipment, safety - Lifting Reaching Pulling | - Have the Correct PPE | - Plan PPE for the work. |
| 5 | Clear Up Work Area | | - Move dumpsters to the Work areas. |
| 6 | - C-Below Scan. - Survey AS-Built | the Test Pile locations. | □ Team lift, know personal limits. |
| 7 | On-Site Visitors | | |
| 8 | 1 - GEI 2 - Casa Grande Drill Equipment | | |
| 9 | 1 - Tester from Twinning | | |
| 10 | | | |

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

Lead Person Initials: Day 1: *[Signature]* Day 2: *[Signature]* Day 3: *[Signature]* Day 4: *[Signature]* Day 5: *[Signature]*

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,

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,

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.



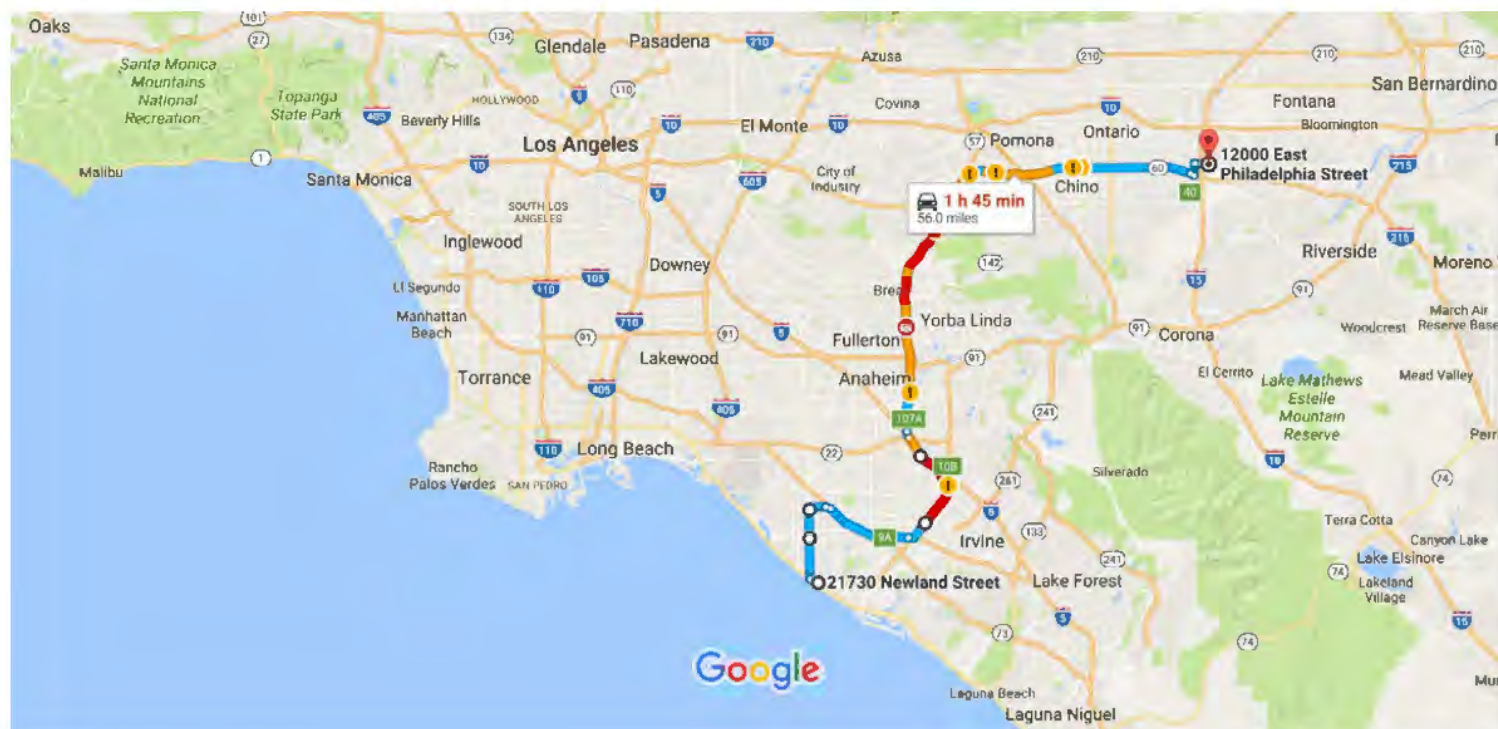
Exiting Facility

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 |
| | | 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

- | | | |
|---|---|------------------|
| ⤴ | 6. Merge onto I-405 S/San Diego Fwy | 45 min (47.5 mi) |
| ➡ | 7. Use the right 2 lanes to take exit 9A to merge onto CA-55 N/State Rte 55 N | 5.6 mi |
| | | 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

-  14. Use any lane to turn left onto S Milliken Ave 4 min (1.8 mi)
-  15. Turn right onto E Philadelphia St 0.8 mi
-  16. Continue straight to stay on E Philadelphia St 0.4 mi
- 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 | Linoeum | 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.

FAX (714) 433-6481

17-03-31

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 | Not provided | Not provided | Not provided | Not provided | Wrong number | No | No | Closed | N/A | N/A | None | JT |

*Responders listed by initials:

JT: Jennifer Trotter