

**El Segundo Power  
Redevelopment Project  
(00-AFC-14C)**

*California Energy Commission  
Monthly Compliance Report  
September 2011*

*Submitted by: El Segundo Energy Center LLC  
Date Submitted: 10-14-11*

## I. Summary

### a. Pre-Construction Status

Approval of Limited Pre-Demolition Activities was granted by the CA Energy Commission (CEC) on December 28, 2006. Approval of aboveground demolition was received on April 14, 2008 and approval of below ground demolition/ground disturbance was received October 7, 2008. The June 19, 2007 petition to amend the 2005 Commission Decision was approved on June 30, 2010. No additional Conditions of Certification required completion for continuation of pre-construction demolition or abatement activities.

Demolition Waste Management: Asbestos Containing Material (ACM) and Lead Abatement, Soil Management, Hazardous/Non-Hazardous/Universal Waste. There was no abatement of ACM during September 2011. No lead abatement occurred during September 2011.

LVI completed the over-excavation and backfill of the north construction area and demobilized from the site during the week of September 12, 2011.

Remediation of subsurface soils continues per Department of Toxic Substances Control (DTSC) approved soil management guidance. AECOM has completed site assessment and updates the Department of Toxic Substances Control as needed.

AECOM continued performing 1166 monitoring of excavation work under the Site Specific Rule 1166 Contaminated Soil Mitigation Plan No. 518793

Cultural and paleontological resource monitoring was conducted by CEC approved monitors in areas not previously surveyed. Associated reports are included attachments to this MCR.

### b. Construction Status

Approval for early Start Construction was given by CEC on October 22, 2009. ESEC received approval to begin construction as of June 6, 2011 in a letter from the CPM dated June 6, 2011.

ARB completed the installation of the shoring for the south HRSG blow down pit sump, installed forms for the south CTG foundation and installed rebar in the north and south HRSG foundations and in the south HRSG blow down pit. ARB installed anchor bolts in the south HRSG foundation and poured concrete for the north and south HRSG blow down pit sump foundations.

Granite Construction continued stripping away ice plant and asphalt pavement from the tank farm west roadway.

PMI excavated the electrical duct bank between the water plant and the west roadway, poured concrete encasement of conduits in east/west duct bank, and installed domestic water piping along the east roadway retaining wall. PMI excavated for storm water piping from the water plant foundation and installed the water plant transformer, MCC, and piping supports.

Tarsco is in the process of fabricating the fire water tank and the west demineralization tank.

Baker has completed mobilization and startup of the dewatering treatment system and continues to operate, monitor, and test the system. Baker began discharging from the dewatering treatment system on September 27, 2011.

c. **Revised/Updated Schedule**

Per COC COM-5 an updated schedule of project milestones – demolition, construction, and commercial operation, as well as COC deliverables are presented in the Compliance Matrix provided in Attachment A.

d. **Explanation of Significant Permitting Activities and Changes to Schedule (as applicable)**

On September 12, 2011 ESEC received the final approval from the Federal Aviation Administration (FAA) for the online Form 7460-1 filed in June 2011. The FAA determined that the North and South Stacks do not exceed obstruction standards and pose no hazards to air navigation. The FAA determination letters are provided in **Appendix L**.

e. **Explanation of Significant Chief Building Official / Compliance Project Manager Activities and Associated Schedule Changes (as applicable)**

The CBO attended meeting held on September 22, 2011, with Los Angeles County Department of Public Works, Bike Path Division to discuss the encroachment permit needed for construction of the seawall. The CBO attends a bi-weekly meeting with the ESEC design and project management staff to discuss urgent deliverables. The CBO is in constant contact with the City of El Segundo Fire Department concerning site accessibility for final design. The CBO routinely reviews approved design drawings for the project, and oversees special inspection for the project.

The CPM visited the site on September 27, 2011, to review status of construction. CPM reviewed the VIS-5 and provided comments from staff.

## II. List of documents submitted to meet specific conditions

- a. COM-5 and COM-6 – September 2011 Monthly Compliance Report and updates to Key Events Schedule and Compliance Matrix are submitted herein. The Compliance Matrix, including Key Events Schedule is included in **Attachment A**.
- b. AQ-C4 – Monthly Construction Compliance Report for September 2011 is included in **Attachment B** of this report and it satisfies Conditions AQ-C2 (Fugitive Dust Mitigation Report) and AQ-C3 (Diesel Construction Equipment Mitigation Monthly Report).
- c. CUL-6 – Cultural resources monitoring during ground disturbance activities, when applicable, is documented in weekly and monthly reports. Monthly and weekly reports are provided in **Attachment C**.
- d. CUL-5 - Worker Environmental Awareness Program training for workers to be involved in ground disturbance activities (as needed). Certification of Completion for training conducted in September 2011 is included in the Paleontological Resources Report submitted in **Attachment D**.

- e. PAL-4 – Worker Environmental Awareness Program training for workers to be involved in ground disturbance activities (as needed). Certification of Completion for training conducted in September 2011 is included in the Paleontological Resources Report submitted in **Attachment D**.
- f. PAL-5 – Paleontological resources monitoring during ground disturbance activities, when applicable, is documented in weekly and monthly reports. Monthly report is provided in **Attachment D**.
- g. WATER QUALITY-8 – Storm water drainage, erosion, and sediment control measures, best management practices (BMP) inspection report, and dates of any dewatering activities (if applicable) continues. Storm water inspection reports are provided in **Attachment F**. Documentation of BMP maintenance is provided in **Attachment G**.
- h. GEN-3 – Proof of CBO payment through August 2011 is provided in **Attachment H**.
- i. CIVIL-1 – Copies of transmittals to CBO and CBO approvals for facility design submittals are provided in **Attachment I**.
- j. ELEC-1 – Copies of transmittals to CBO and CBO approvals for facility design submittals are provided in **Attachment I**.
- k. MECH-1 – Copies of transmittals to CBO and CBO approvals for facility design submittals are provided in **Attachment I**.
- l. STRUC-1 – Copies of transmittals to CBO and CBO approvals for facility design submittals are provided in **Attachment I**.
- m. BIO-7 – Copies of biological records for monitoring are included in **Attachment J**.
- n. CUL-2 – A current schedule of anticipated project activity is provided in **Attachment K**.
- o. COM-10 – No project complaints were logged in September 2011,
- p. NOISE-2 – No noise complaints were received in September 2011 regarding demolition or construction activities. ESEC maintains the Noise Hotline in accordance with NOISE-1.
- q. NOISE-9 – No vibration complaints have been received to date regarding demolition or construction activities.
- r. WORKER SAFETY-4 – Construction Safety Supervisor monthly safety inspection, including safety training, safety management actions, unresolved situations, any accidents and injuries (as applicable). Summary of CSS report is provided in **Attachment M**.

### **III. Updated Compliance Matrices**

Included in **Attachment A**.

### **IV. List of conditions satisfied during reporting period including reference to actions which satisfied certification**

- a. AQ-C4 – The Monthly Construction Compliance Report for September 2011 as prepared by the Construction Mitigation Manager to satisfy AQ-C2 and AQ-C3 is submitted herein as **Attachment B**.

- b. BIO-7 – Summary of biological resources monitoring activities is submitted herein as **Attachment J**.
- c. COM-5 and COM-6 – September 2011 Monthly Compliance Report, updates to Key Events Schedule and Compliance Matrix for September 2011 are submitted herein.
- d. WORKER SAFETY-4 – Training records are retained on site in the contractor trailers. No lost time accidents occurred in September 2011.
- e. CUL-5 – Worker Environmental Awareness Program Training records are included with the Paleontological Resources report provided in **Attachment D**.
- f. CUL-6 – Cultural resources monitoring during ground disturbance activities were documented in weekly and monthly reports (**Attachment C**).
- g. PAL-4 – Worker Environmental Awareness Program Training records are included with the Paleontological Resources report provided in **Attachment D**.
- h. PAL-5 – Paleontological Resources report for September 2011 is prepared by the Paleontological Resources Specialist and is submitted herein as **Attachment D**.
- i. TRANS-6 and LAND-3 – FAA approval of stack locations is included herein as **Attachment L**.
- j. WASTE-8 – Continuation of abatement activities for hazardous and non-hazardous waste.
- k. WATER QUALITY-8 – Storm water drainage, erosion, and sediment control measures, best management practices (BMP) inspection report, and dates of any dewatering activities (if applicable) continues. Inspections and reports are submitted herein as **Attachment F**. Documentation of BMP maintenance is provided in **Attachment G**.

**V. List of submittal deadlines missed during reporting period including explanation and estimate of when information will be provided**

None

**VI. Cumulative listing of approved changes to conditions of certification**

None

**VII. Listing of any filings with, or permits issued by, other governmental agencies during the month**

ESEC received the final approval from the FAA for the construction of the North and South Stacks. The FAA determined that the stacks do not exceed obstruction standards and do not pose a hazard to air navigation. Copies of final determinations are included in **Attachment L**.

**VIII. Project compliance activities over next 2 months including changes to schedule**

- a. COM-5 and COM-6 - Monthly Compliance Report, updates to Key Events Schedule and Compliance Matrix completed monthly.

- b. AQ-C4 – Monthly Construction Compliance Reports to be included as attachments to the Monthly Compliance Reports.
- c. CUL-6 – Cultural resources monitoring during demarcation and relocation ground disturbance activities to be documented in weekly and monthly reports.
- d. PAL-5 – Paleontological resources monitoring during demarcation and relocation ground disturbance activities to be documented in weekly and monthly reports.
- e. CUL-5 and PAL-4 – additional Worker Environmental Awareness Program training as needed.
- f. WASTE-8 – Continuation of abatement activities.
- g. WATER QUALITY-7 – Continuation of training for new BMPs, as planned and implemented for demolition phase of project. Submit any amendments needed to Storm Water Pollution Prevention Plan based on CBO approved grading plans.
- h. WATER QUALITY-8 – Continuation of storm water drainage, sediment, and erosion control measures and BMPs. Continuation of inspection and documentation of BMP effectiveness and maintenance.
- i. Seawall construction contractor ARB submitted an application for an encroachment permit for the bike path with the County of Los Angeles Public Works in August and is awaiting approval.
- j. AECOM will submit an application for a Right-of-Way permit from the City of Manhattan Beach for landscaping installation on the 45th Street berm.
- k. ESEC will submit a request with FAA for a light study for stack painting color and lighting.

**IX. Additions to on-site compliance file**

Files maintained on regular basis as COCs are implemented.

**X. Listing of complaints, notices of violation, official warnings, citations received during month, description of resolutions of any resolved complaints and status of any unresolved complaints**

No noise complaints, notices of violation, official warnings, or citations received during September 2011.

**ATTACHMENT A  
COMPLIANCE-5 AND COMPLIANCE-6  
KEY EVENTS AND COMPLIANCE MATRIX**

# El Segundo Power Redevelopment Project

Docket No. AFC-00-14C

Key Events List (Compliance-6) - Subject to Change

Compliance Project Manager: Joseph Douglas

<b>Event Description</b>	<b>Date</b>
Certification Date	23-Dec-04
Obtain Site Control	23-Dec-04
Online Date	1-Jan-13
<b>Power Plant Site Activities:</b>	
Start Site Mobilization	25-Oct-06
Start Ground Disturbance	1-Jul-08
Start Grading	1-Jul-11
Start Construction	1-Jun-11
Begin Pouring Major Foundation Concrete	15-Sep-11
Begin Installation of Major Equipment	15-Nov-11
Completion of Installation of Major Equipment	1-Nov-12
First Combustion of Gas Turbine	1-Sep-12
Start Commercial Operations	1-Aug-13
Complete All Construction	1-Apr-13
<b>Transmission Line Activities:</b>	
Start T/L Construction	1-Jan-12
Synchronization with Grid and Interconnection	1-Nov-12
Complete T/L Construction	1-Jun-12
<b>Fuel Supply Line Activities:</b>	
Start Gas Pipeline Construction and Interconnection	1-Oct-11
Complete Gas Pipeline Construction	1-Oct-12
<b>Water Supply Line Activities:</b>	
Start Water Supply Line Construction	1-Jan-12
Complete Water Supply Line Construction	1-Nov-12

**Compliance Matrix**  
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Technical Area	COC No.	Condition Short Description	Deliverable Req.	Verification Action	Required Prior to Start of Construction?	Action Days	Submittal Timing	Submittal Trigger Event	Expected Submittal Date	Actual Submittal Date	Submittal Action Approval Date	Amended Date	Compliance Status	Priority (Tier 1, 2, or 3)	Comments
AQ	C3	Diesel Construction Equipment Mitigation Plan	Y	2). CMM will update the initial Diesel Construction Equipment Mitigation Plan prior to specific contractor gaining access to either the main or related linear construction sites.	Y	10	days prior to	Hiring New Contractor or Project Monitor	As Needed				As Needed	1	
AQ	C3	Diesel Construction Equipment Mitigation Plan	Y	3). CMM will notify the CPM of any emergency termination.	N	10	working days prior to	Mitigation Measure Termination	As Needed				As Needed	2	
AQ	C4	Monthly Construction Compliance Report	Y	CMM shall submit to the CPM for approval, the Monthly Construction Compliance Report.	N	10	days after beginning of each month	Monthly Compliance Report	10th business day of each month	8-Jun-07			In Progress	3	
AQ	C5	Use of Specific Emission Reduction Credits	Y	1). The project owner shall request from the District the report of the NSR Ledger Account for the ESPR.	Y	15	days following	Issuance of the District's Permit to Construct	TBD				In Progress	3	
AQ	C5	Use of Specific Emission Reduction Credits	Y	2). The project shall submit the report of the NSR Ledger Account for the ESPR to the CPM.	Y	30	days prior to	Turbine First Fire	2-Aug-12				Not Started	3	
AQ	C6	Tug Boats and SPMT EPA Tier 2 diesel engines or better	Y	the owner/operator shall submit the certification that the SPMT or tug boat primary source of power is based on an EPA Tier 2 diesel engine or that SPMTs or tugboats with Tier 2 diesel engines are not available to the CPM for approval.	N	5	days prior to	SPMT or tug boat being used for any type of barge delivery operation	As Needed			8-Jul-10	As Needed		Beach Only
AQ	C7	Oxidation Catalyst	Y	The owner/operator shall submit to the CPM for approval a letter stating that the installation of the oxidation catalyst is complete and operational and include the estimated effectiveness in terms of percent of VOC emission reduction achieved. This letter shall be signed and stamped by a California Registered Professional Engineer.	N	na	na	earliest point practical during the initial commissioning phase of each combustion turbine train	1-Sep-12			8-Jul-10	Not Started		
AQ	C8	Quarterly Operational Reports	Y	The project owner shall submit the Quarterly Operational Reports as specified herein to the CPM.	N	30	days following	end of quarter	Quarterly			8-Jul-10	Not Started		
AQ	2	Install NH3 Flow Gage with Monitor	N	The project owner shall make the site available for inspection by representatives of the District, California Air Resources Board (CARB), the United States Environmental Protection Agency (EPA) and the California Energy Commission (Commission).	N	na	na	Site Inspections	As Needed				As Needed	3	
AQ	3	Install Exhaust Temperature Gauge with Monitor	N	The project owner shall make the site available for inspection by representatives of the District, California Air Resources Board (CARB), the United States Environmental Protection Agency (EPA) and the California Energy Commission (Commission).	N	na	na	Site Inspections	As Needed				As Needed	3	
AQ	4	Install SCR Catalyst Bed D/P Gauge with Monitor	N	The project owner shall make the site available for inspection by representatives of the District, California Air Resources Board (CARB), the United States Environmental Protection Agency (EPA) and the California Energy Commission (Commission).	N	na	na	Site Inspections	As Needed				As Needed	3	
AQ	5	NH3 Source Test	Y	1). The project owner shall submit the proposed protocol for the source tests to both the District and CPM for approval.	N	60	days prior to	Source Test Date	2-Jun-13				Not Started	3	Expected submittal date assumes initial test will be performed at start of commercial operation (8/1/13) with subsequent quarterly tests for the first year of operation and annually thereafter
AQ	5	NH3 Source Test	Y	2). The project owner shall notify the District and CPM of the proposed source test date and time.	N	7	days prior to	Source Test Date	25-Jul-13				Not Started	3	Expected submittal date assumes initial test will be performed at start of commercial operation (8/1/13) with subsequent quarterly tests for the first year of operation and annually thereafter
AQ	5	NH3 Source Test	Y	3). The project owner shall submit source test results to both the District and CPM.	N	45	days following	Source Test Date	15-Sep-13				Not Started	3	Expected submittal date assumes initial test will be performed at start of commercial operation (8/1/13) with subsequent quarterly tests for the first year of operation and annually thereafter
AQ	6	Initial Source Tests for Units 5 and 7	Y	1). The project owner shall submit the proposed protocol for the initial source tests to both the District and CPM for approval.	N	45	days prior to	Source Test Date	14-Jan-13				Not Started	3	Expected submittal date assumes initial test will be performed no later than 180 days following turbine first fire
AQ	6	Initial Source Tests for Units 5 and 7	Y	2). The project owner shall submit source test results to both the District and CPM.	N	60	days following	Source Test Date	29-Apr-13				Not Started	3	Expected submittal date assumes initial test will be performed no later than 180 days following turbine first fire
AQ	6	Initial Source Tests for Units 5 and 7	Y	3). The project owner shall notify the District and CPM the proposed initial source test date and time.	N	10	days prior to	Source Test Date	18-Feb-13				Not Started	3	Expected submittal date assumes initial test will be performed no later than 180 days following turbine first fire
AQ	7	Three Year Source Tests for Units 5 and 7	Y	1). The project owner shall submit the proposed protocol for the source tests to both the District and CPM for approval.	N	60	days prior to	Three Year Source Test	2-Jun-13				Not Started	3	Expected submittal date assumes initial test will be performed at start of commercial operation (8/1/13) with subsequent tests every 3 years
AQ	7	Three Year Source Tests for Units 5 and 7	Y	2). The project owner shall notify the District and CPM of the proposed source test date and time.	N	7	days prior to	Three Year Source Test	25-Jul-13				Not Started	3	Expected submittal date assumes initial test will be performed at start of commercial operation (8/1/13) with subsequent tests every 3 years
AQ	7	Three Year Source Tests for Units 5 and 7	Y	3). The project owner shall submit source test results to both the District and CPM.	N	45	days following	Three Year Source Test	15-Sep-13				Not Started	3	Expected submittal date assumes initial test will be performed at start of commercial operation (8/1/13) with subsequent tests every 3 years
AQ	8	Submit Source Test Reports	Y	See verifications for AQ-5, -6, and -7.	N	60	days following	Source Test Date	See AQ-5, -6, and -7 for expected submittal date				Not Started	3	
AQ	11	Monthly Emission Limits	Y	The project owner shall submit the monthly fuel use data and emission calculations to the CPM in the Quarterly Operation Reports (AQ-9).	N	30	days following the end of each calendar quarter	Quarterly during operation	Quarterly				Not Started	3	

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AQ	12	Keep records on Natural Gas Fuel Use	N	The project owner shall make the site available for inspection by representatives of the District, California Air Resources Board (CARB), the United States Environmental Protection Agency (EPA) and the California Energy Commission (Commission).	N	na	na	Site Inspections	As Needed				As Needed	3	
AQ	14	Install CO CEMS	N	1). Install and operate the CO CEMS within 90 days of turbine first fire and shall not install it prior to receiving approval from the AQMD.	N	90	days following	Turbine First Fire	30-Nov-12				Not Started	3	
AQ	14	Install CO CEMS	N	2). The project owner shall make the site available for inspection by representatives of the District, California Air Resources Board (CARB), the United States Environmental Protection Agency (EPA) and the California Energy Commission (Commission).	N	na	na	Site Inspections	As Needed				As Needed	3	
AQ	14	Install CO CEMS	Y	3). Provide written notification to the AQMD of turbine initial startup within 2 weeks.	N	14	days following	Turbine First Fire	15-Sep-12				Not Started	3	
AQ	15	Install NOx CEMS	N	1). Install and operate the NOx CEMS within 90 days of turbine first fire according to requirements of Rule 2012	N	90	days following	Turbine First Fire	30-Nov-12				Not Started	3	
AQ	15	Install NOx CEMS	N	2). The project owner shall make the site available for inspection by representatives of the District, California Air Resources Board (CARB), the United States Environmental Protection Agency (EPA) and the California Energy Commission (Commission).	N	na	na	Site Inspections	As Needed				As Needed	3	
AQ	15	Install NOx CEMS	Y	3). Provide written notification to the AQMD of turbine initial startup within 2 weeks.	N	14	days following	Turbine First Fire	15-Sep-12				Not Started	3	
AQ	16	Startup and Commissioning Period - 2.0 PPM NOx Exception - Commissioning period limited to 415 operating hours	N	1). The project owner shall make the site available for inspection by representatives of the District, California Air Resources Board (CARB), the United States Environmental Protection Agency (EPA) and the California Energy Commission (Commission).	N	na	na	Site Inspections	As Needed				As Needed	3	
AQ	16	Startup and Commissioning Period - 2.0 PPM NOx Exception - Commissioning period limited to 415 operating hours	N	2). Commissioning period shall be restricted to a maximum of 415 gas turbine operating hours.	N	415	operating hours	Turbine First Fire	1-Sep-12				Not Started	3	
AQ	17	Startup and Commissioning Period - 4.0 PPM CO Exception - Commissioning period limited to 415 operating hours	N	1). The project owner shall make the site available for inspection by representatives of the District, California Air Resources Board (CARB), the United States Environmental Protection Agency (EPA) and the California Energy Commission (Commission).	N	na	na	Site Inspections	As Needed				As Needed	3	
AQ	17	Startup and Commissioning Period - 4.0 PPM CO Exception - Commissioning period limited to 415 operating hours	N	2). Commissioning period shall be restricted to a maximum of 33 days.	N	415	operating hours	Turbine First Fire	1-Sep-12				Not Started	3	
AQ	18	Special NOx Limit For Commissioning Tests	N	The project owner shall make the site available for inspection by representatives of the District, California Air Resources Board (CARB), the United States Environmental Protection Agency (EPA) and the California Energy Commission (Commission).	N	na	na	Site Inspections	As Needed				As Needed	3	
AQ	19	Special NOx Limit For Commissioning Tests	N	The project owner shall make the site available for inspection by representatives of the District, California Air Resources Board (CARB), the United States Environmental Protection Agency (EPA) and the California Energy Commission (Commission).	N	na	na	Site Inspections	As Needed				As Needed	3	
AQ	20	Startup NOx limit	Y	The project owner shall submit CEMS records demonstrating compliance with this condition as part of the Quarterly Operational Report required in AQ-C8.	N	30	days following the end of each calendar quarter	Quarterly during operation	Quarterly				Not Started	3	
AQ	22	Define "Continuously Record" for AQ-2,3	N	1). The project owner shall make the site available for inspection by representatives of the District, California Air Resources Board (CARB), the United States Environmental Protection Agency (EPA) and the California Energy Commission (Commission).	N	na	na	Site Inspections	As Needed				As Needed	3	
AQ	22	Define "Continuously Record" for AQ-2,3	Y	2). The Project owner shall submit CEMS records demonstrating compliance with this condition as part of the Quarterly Operational Report required in AQ-C8.	N	30	days following the end of each calendar quarter	Quarterly during operation	Quarterly				Not Started	3	
AQ	23	Define "Continuously Record" for AQ-4	N	The project owner shall make the site available for inspection by representatives of the District, California Air Resources Board (CARB), the United States Environmental Protection Agency (EPA) and the California Energy Commission (Commission).	N	na	na	Site Inspections	As Needed				As Needed	3	
AQ	24	Average NOx over 60 Minutes for 2.0 PPMV NOx Limit	Y	The project owner shall submit CEMS records demonstrating compliance with this condition as part of the Quarterly Operational Report required in AQ-C8.	N	30	days following the end of each calendar quarter	Quarterly during operation	Quarterly				Not Started	3	
AQ	25	Average NOx over 60 Minutes for 4 PPMV CO Limit	Y	The project owner shall submit CEMS records demonstrating compliance with this condition as part of the Quarterly Operational Report required in AQ-C8.	N	30	days following the end of each calendar quarter	Quarterly during operation	Quarterly				Not Started	3	
AQ	26	5 PPMV NH3 Emissions Limit Monitoring	Y	The project owner shall submit CEMS records and all calculations demonstrating compliance with this condition, including ammonia slip concentrations averaged on an hourly basis, as part of the Quarterly Operational Report required in AQ-C8.	N	30	days following the end of each calendar quarter	Quarterly during operation	Quarterly				Not Started	3	
AQ	26	5 PPMV NH3 Emissions Limit Monitoring	Y	Submit all calibration results performed to the CPM within 60 days of calibration date.	N	60	days following	Calibration Date	29-Jan-13				Not Started	3	Expected submittal date assumes that analyzer will be calibrated 90 days following turbine first fire (analyzer must be installed and operated within 90 days of turbine first fire)
AQ	27	Annual RTC Holding Requirement	Y	The project owner shall submit to the CPM copies of all RECLAIM reports filed with the District in each Quarterly Operational Report (see AQ-C8).	N	30	days following the end of each calendar quarter	Quarterly during operation	Quarterly				Not Started	3	
AQ	29	Maintain Special Relief Valve for Storage Tanks	N	The project owner shall make the site available for inspection by representatives of the District, California Air Resources Board (CARB), the United States Environmental Protection Agency (EPA) and the California Energy Commission.	N	na	na	Site Inspections	As Needed				As Needed	3	

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AQ	30	Vent this equipment, during filling	N	The project owner shall make the site available for inspection by representatives of the District, CARB, EPA and the Commission.	N	na	na	Site Inspections	As Needed			8-Jul-10	As Needed		
AQ	31	Vent equipment to the two-stage venture scrubber (Device C64) for ammonia tank.	N	The project owner shall make the site available for inspection by representatives of the District, CARB, EPA and the Commission	N	na	na	Site Inspections	As Needed			8-Jul-10	As Needed		
AQ	32	2.0 PPM VOC emission limit during turbine commissioning	N	The project owner shall make the site available for inspection by representatives of the District, California Air Resources Board (CARB), the United States Environmental Protection Agency (EPA) and the California Energy Commission	N	na	na	Site Inspections	As Needed			8-Jul-10	As Needed		
AQ	33	2.0 ppmv VOC emission limit is averaged over 60 minutes at 15 percent O2, dry basis	Y	The project owner shall submit CEMS records demonstrating compliance with this condition as part of the Quarterly Operational Report required in AQ-C8.	N	na	Quarterly	Quarterly during operation	Quarterly			8-Jul-10	Not Started		
AQ	34	natural gas <H2S greater than 0.25 gains per 100 scf	Y	The project owner shall submit fuel usage records and all other records and calculations required to demonstrate compliance with this condition as part of the Quarterly Operational Report required in AQ-C8.	N	na	Quarterly	Quarterly during operation	Quarterly			8-Jul-10	Not Started		
AQ	35	1,500 million cubic standard feet (mmcsf) limit per month	Y	The project owner shall submit fuel usage records and all other records and calculations required to demonstrate compliance with this condition as part of the Quarterly Operational Report required in AQ-C8.	N	na	Quarterly	Quarterly during operation	Quarterly			8-Jul-10	Not Started		
AQ	36	Record keeping, natural gas fuel use after CEMS certification, during commissioning, after commissioning period and prior to the CEMS certification.	Y	The project owner shall submit fuel usage records and all other records and calculations required to demonstrate compliance with this condition as part of the Quarterly Operational Report required in AQ-C8.	N	na	Quarterly	Quarterly during operation	Quarterly			8-Jul-10	Not Started		
AQ	37	PM emissions less than 100 tons in any one year	Y	The project owner shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report of Condition of Certification AQ-C8.	N	na	Quarterly	Quarterly during operation	Quarterly			8-Jul-10	Not Started		
AQ	38	Compliance determination (District Rule 475)	Y	The project owner shall submit to the CPM for approval all emissions and emission calculations on a quarterly basis as part of the quarterly emissions report of Condition of Certification AQ-C8.	N	na	Quarterly	Quarterly during operation	Quarterly			8-Jul-10	Not Started		
AQ	39	Operate and maintain equipment according to COCs	N	The project owner shall make the site available for inspection by representatives of the District, CARB, EPA and the Commission.	N	na	na	Site Inspections	As Needed			8-Jul-10	As Needed		
AQ	40	Not Operate Simultaneously	N	The project owner shall make the site available for inspection by representatives of the District, CARB, EPA and the Commission.	N	na	na	Site Inspections	As Needed			8-Jul-10	As Needed		
BIO	7	Designated Biologist Duties	Y	Designated Biologist shall maintain written records of the tasks described above, and summaries of these records shall be submitted in the Monthly Compliance Reports. As necessary during project operation, the Designated Biologist shall submit record summaries in the Annual Compliance Report.	N	na	Monthly	Monthly Compliance Report	10th business day of each month	7-Apr-11		8-Jul-10	In Progress		
BIO	8	Designated Biologist	Y	The project owner's Construction/Operation Manager shall act on the advice of the Designated Biologist to ensure conformance with the biological resources Conditions of Certification.	N	5 days after		corrective action	As Needed	7-Apr-11		8-Jul-10	As Needed		
BIO	9	Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP)	Y	The project owner shall provide the CPM with the final version of the BRMIMP for this project, and the CPM will determine the plans acceptability.	N	30 days prior to		start of any site mobilization activities related to the beach front or the beach delivery system	As Needed			8-Jul-10	As Needed		Beach Delivery Only
BIO	10	Worker Environmental Awareness Program	Y	The project owner shall develop and implement a CPM approved WEAP (biological resources) in which each of its employees, as well as employees of contractors and subcontractors who work on the project site or related facilities during construction and operation, are informed about sensitive biological resources associated with the project.	N	30 days prior to		start of any site mobilization activities related to the beach front or the beach delivery system	As Needed			8-Jul-10	As Needed		Beach Delivery Only
BIO	11	Acquire any USACE permit	Y	the project owner shall submit to the CPM a copy of the USACE permit required to construct any project related features	Y	30 days prior to		start of any site mobilization activities related to the beach front or the beach delivery system	As Needed			8-Jul-10	As Needed		Beach Delivery Only
BIO	12	USFWS Biological Opinion	Y	The project owner must provide the CPM with a copy of the USFWS recommendations if formal or informal consultation between USFWS and USACE occurs. All terms and conditions resulting from the consultation will be incorporated into the BRMIMP.	Y	30 days prior to		start of any site mobilization activities related to the beach front or the beach delivery system.	As Needed			8-Jul-10	As Needed		Beach Delivery Only
BIO	13	Acquire and implement 401 State Clean Water Act certification	Y	the project owner will provide the CPM with a copy of the final Regional Water Quality Control Board certification.	Y	30 days prior to		start of any site mobilization activities related to the beach front or the beach delivery system	As Needed			8-Jul-10	As Needed		Beach Delivery Only
BIO	14	Incorporate measures that address the Local Biological Resources into the Planned Permanent or Unexpected Permanent Closure Plan.	Y	The project owner shall address all Biological Resource-related issues associated with facility closure in a Biological Resources Element (BRE) and incorporate the BRE into the Facility Closure Plan, including a complete discussion of the local biological resources and proposed facility closure mitigation measures.	Y	365 days prior to		commencement of Closure Activities	As Needed			8-Jul-10	As Needed		
CIVIL	1	Submit proposed drainage structures and the grading plan; erosion and sedimentation control plan; calculations and specifications approved by civil engineer; and, soils report	Y	1). The project owner shall submit the documents described above to the CBO for design review and approval.	Y	15 days prior to		Start Grading	16-Jun-11	3/15/2011, 6/6/11	30-Mar-11		In Progress	2	Entry Road: 3/15/11 Tank Farm: 6/16/11 (in review) N Const Area: 6/6/11 (dispo received 7/14 - Resp Req)
CIVIL	1	Submit Pre-Grading Plans	Y	2). The project owner shall submit a written statement certifying that the documents have been approved by the CBO.	Y	na	in the next	Monthly Compliance Report	10th business day of each month				In Progress	2	

**Compliance Matrix**  
 El Segundo Power Redevelopment Project  
 Docket 00-AFC-14C

Technical Area	COC No.	Condition Short Description	Deliverable Req.	Verification Action	Required Prior to Start of Construction?	Action Days	Submittal Timing	Submittal Trigger Event	Expected Submittal Date	Actual Submittal Date	Submittal Action Approval Date	Amended Date	Compliance Status	Priority (Tier 1, 2, or 3)	Comments
CIVIL	2	Stop All Affected Work For Unforeseen Conditions	Y	1). The project owner shall notify the CPM when earthwork and construction is stopped as a result of unforeseen adverse geologic/soil conditions.	N	5	days following	Inspection with Discrepancies or Unforeseen Adverse Situations	As Needed				As Needed	3	
CIVIL	2	Stop All Affected Work For Unforeseen Conditions	Y	2). The project owner shall provide to the CPM a copy of the CBO's approval to resume earthwork and construction in the affected areas.	N	5	days following	CBO's approval to resume work	As Needed				As Needed	3	
CIVIL	3	Perform Inspections Per CBC	Y	1). On 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.	N	5	days following	Inspection with Discrepancies or Unforeseen Adverse Situations	As Needed (NCR)				As Needed	3	
CIVIL	3	Perform Inspections Per CBC	Y	2). The project owner shall submit the details of the corrective action to the CBO and the CPM.	N	5	days following	Resolution of Discrepancies or Unforeseen Adverse Situations	As Needed				As Needed	3	
CIVIL	3	Perform Inspections Per CBC	Y	3). A list of NCRs, for the reporting month, shall also be included in the following Monthly Compliance Report.	N	10	days after beginning of each month	Monthly Compliance Report	10th business day of each month				As Needed	3	
CIVIL	4	Obtain CBO Approval of As Graded and As Built Plans	Y	1). The project owner shall submit to the CBO 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.	N	30	days following	Completion of Erosion and Sediment Control Plan	May, 2012				Not Started	3	Post construction inspection - no action needed right now
CIVIL	4	Obtain CBO Approval of As Graded and As Built Plans	Y	2). The project owner shall submit a copy of this report to the CPM in the next Monthly Compliance Report.	N	na	in the next	Monthly Compliance Report	10th business day of each month				Not Started	3	
COM	5	Compliance Matrix	Y	Submit with first monthly report as well as each consecutive monthly report	Y	10	business days after beginning of each month	General Compliance Requirements	10th business day of each month	by 10th business day of month per COM-5			In Progress	1	
COM	6	Monthly Compliance Report	Y	Submit the first monthly report for the first month after the CEC business meeting for project approval	Y	10	business days after beginning of each month	Monthly Compliance Report	10th business day of each month	by 10th business day of month per COM-6	13-Apr-07		In Progress	1	
COM	11	Planned Closure	Y	1). The project owner shall submit a proposed facility closure plan to the Energy Commission for review and approval	Y	365	days prior	Commencement of Closure Activities	As Needed			8-Jul-10	As Needed	3	
COM	7	Annual Compliance Report	Y	After Construction is complete, begin submitting annual reports in lieu of monthly reports, on a schedule agreed to by the CPM.	N	na	na	Annual Compliance Report	Annually during operation				Not Started	2	
COM	8	Confidential information	Y	1). Any information that the project owner deems confidential shall be submitted to the Energy Commission's Executive Director with an application for confidentiality pursuant to Title 20, California Code of Regulations, section 2505(a).	N	na	na	General Compliance Requirements	Not Specified			8-Jul-10	In Progress	2	Note: Original COM-8 (Construction Operation & Security Plan) deleted in last Decision
COM	8	Confidential information	Y	2). Any information that is determined to be confidential shall be kept confidential as provided for in Title 20, California Code of Regulations, section 2501, et. seq.	N	na	na	General Compliance Requirements	Not Specified			8-Jul-10	Not Started	2	
COM	11	Planned Closure	Y	2). The project owner shall file 120 copies (or other number of copies agreed upon by the CPM) of a proposed facility closure plan with the Energy Commission.	Y	na	na	General Compliance Requirements	Not Specified			8-Jul-10	Not Started	3	
COM	11	Planned Closure	Y	3). Prior to submittal of the proposed facility closure plan, a meeting shall be held between the project owner and the Energy Commission CPM for the purpose of discussing the specific contents of the plan.	Y	na	na	General Compliance Requirements	As Needed			8-Jul-10	As Needed	3	
COM	11	Planned Closure	Y	4). Prior to or during the closure plan process, the project owner shall take appropriate steps to eliminate any immediate threats to public health and safety and the environment, but shall not commence any other closure activities until the Energy Commission approves the facility closure plan.	Y	na	na	Closure Plan Process	Not Specified			8-Jul-10	Not Started	3	
COM	1	Unrestricted Access	N	None	N	na	na	General Compliance Requirements	na				In Progress	3	
COM	2	Compliance Record	N	None	N	na	na	Filing Requirement	na				In Progress	3	
COM	3	Compliance Verification Submittals	Y	Verification must include a cover letter and certain minimum requirements.	Y	na	na	General Compliance Requirements	See Individual COCs				In Progress	3	
COM	9	Annual Energy Facility Compliance Fee	Y	The project owner is required to pay an annual compliance fee, which is adjusted annually.	Y	na	na	General Compliance Requirements	July 1 of each year			8-Jul-10	In Progress	3	
COM	12	Unplanned temporary closure contingency plan	Y	1). Submit on-site contingency plan to the CPM for review and approval.	Y	60	days prior to	Start Commercial Operations	2-Jun-13			8-Jul-10	Not Started	3	
COM	12	Unplanned temporary closure contingency plan	Y	2). Notify the CPM and other responsible agencies of any unplanned closure	Y	1	days following	Facility Closure	As Needed			8-Jul-10	As Needed	3	
COM	12	Unplanned temporary closure contingency plan	Y	3). If the CPM determines that the unplanned temporary closure is likely to be permanent or for a duration of more than twelve months, a closure plan consistent with a planned closure shall be submitted to the CPM within 90 days of the CPM's determination	N	90	days following	Facility Closure	As Needed			8-Jul-10	As Needed	3	
COM	13	Unplanned Permanent Closure/On-Site Contingency Plan	Y	1). Notify the CPM and other responsible agencies of the closure and take necessary steps to implement closure plan	N	1	days following	Facility Closure	As Needed			8-Jul-10	As Needed	3	
COM	13	Unplanned Permanent Closure/On-Site Contingency Plan	Y	2). Submit a closure plan consistent with a planned closure to the CPM within 90 days of the permanent closure	N	90	days following	Facility Closure	As Needed			8-Jul-10	As Needed	3	

**Compliance Matrix**  
 El Segundo Power Redevelopment Project  
 Docket 00-AFC-14C

Technical Area	COC No.	Condition Short Description	Deliverable Req.	Verification Action	Required Prior to Start of Construction?	Action Days	Submittal Timing	Submittal Trigger Event	Expected Submittal Date	Actual Submittal Date	Submittal Action Approval Date	Amended Date	Compliance Status	Priority (Tier 1, 2, or 3)	Comments
COM	14	Post Certification Changes to the Energy Commission Decision: Amendments, Ownership Changes, Staff Approved Project Modifications and Verification Changes	Y	The project owner must petition the Energy Commission pursuant to Title 20, California Code of Regulations, section 1769, in order to modify the project (including linear facilities) design, operation or performance requirements, and to transfer ownership or operational control of the facility.	N	na	na	Modification of Project Design	As Needed			8-Jul-10	As Needed		
CUL	1	Designate Cultural Resources Specialist meeting minimum requirements	Y	2). Termination or release of the CRS, the project owner shall submit the resume of the proposed replacement CRS.	Y	10	days prior to	Terminating Contractor or Project Monitor	As Needed				As Needed	3	
CUL	1	Designate Cultural Resources Specialist meeting minimum requirements	Y	4). If additional CRMs are needed later, the CRS shall submit written notice prior to any new CRMs beginning work.	Y	7	days prior to	Hiring New Contractor or Project Monitor	As Needed	As needed			As Needed	3	
CUL	2	Provide Maps & Drawings of Plant Footprint to CRS for Cultural Impact Assessment	Y	2). If there are changes to any project related footprint, revised maps and drawings shall be provided for those changes.	Y	15	days prior to	Start Ground Disturbance	As Needed				As Needed	1	
CUL	2	Provide Maps & Drawings of Plant Footprint to CRS for Cultural Impact Assessment	Y	3). If project construction is phased, the project owner shall submit the subject maps and drawings to each phase.	Y	15	days prior to	Project Phases	As Needed				As Needed	1	
CUL	2	Provide CRS with a Weekly Report of areas of ground disturbance during the Ground Disturbance Phase for the upcoming week.	Y	4). A current schedule of anticipated project activity shall be provided to the CRS on a weekly basis	Y	7	days prior to	Start Ground Disturbance	As Needed				As Needed	1	
CUL	2	Provide CRS with a Weekly Report of areas of ground disturbance during the Ground Disturbance Phase for the upcoming week.	Y	4). The weekly CRS reports of anticipated project activities shall be provided in the Monthly Compliance Report	N	10	business days after beginning of each month	Monthly Compliance Report	10th business day of each month				In Progress	1	
CUL	2	Notify CRS and CPM of any changes to the construction schedule	Y	5). The project owner shall provide written notice of any changes to scheduling of construction phases.	Y	5	days prior to	Construction Schedule Changes	As Needed				As Needed	1	
CUL	4	Submit Cultural Resources Report	Y	1). The project owner shall submit the subject CRR.	N	90	days following	End of Ground Disturbance and Landscaping	30-Jan-13				Not Started	3	
CUL	4	Submit Cultural Resources Report	Y	2). The project owner shall provide documentation to the CPM that copies of the CRR have been provided to the curating institution (if archaeological materials were collected), the State Historic Preservation Officer (SHPO) and the CHRIS.	N	10	days following CPM approval of CRR for	End of Ground Disturbance	11-Apr-13				Not Started	3	
CUL	5	Worker Environmental Awareness Program; weekly training of new employees for duration of Ground Disturbance	Y	The project owner shall provide in the Monthly Compliance Report the WEAP Certification of Completion form of persons who have completed the training in the prior month and a running total of all persons who have completed training to date.	N	10	days after beginning of each month	Monthly Compliance Report	10th business day of each month				In Progress	1	
CUL	6	Cultural Resources Monitoring; full time monitoring of ground disturbance and daily log report non-compliance and recommend actions to return to compliance	Y	1). If the CRS wishes to reduce the level of monitoring occurring at the project, a letter identifying the area(s) where the CRS recommends the reduction and justifying the reductions in monitoring shall be submitted to the CPM for review and approval.	N	na	na	Plan or Permit Revision Notification	As Needed				As Needed	1	
CUL	6	Monitor ground disturbance full time	Y	2). The project owner shall include in the MCR to the CPM copies of the weekly summary reports prepared by the CRS regarding project-related cultural resources monitoring.	N	10	days after beginning of each month	Monthly Compliance Report	10th business day of each month				In Progress	1	
CUL	6	Monitor ground disturbance full time	N	3). Copies of daily logs shall be retained on-site and made available for audit by the CPM.	N	na	na	Filing Requirement	na				In Progress	1	
CUL	6	Monitor ground disturbance full time	Y	4). In recognition of a non-compliance issue, the CRS shall notify the CPM by telephone of the problem and of steps being taken to resolve the problem. The telephone call shall be followed by an e-mail or fax detailing the non-compliance issue and the measures necessary to achieve resolution of the issue.	N	24	hours following event	Cultural Non-Compliance	As Needed				As Needed	3	
CUL	6	Monitor ground disturbance full time	Y	5). Daily logs shall include forms detailing any instances of a non-compliance issue that describes the issue, resolution of the issue and the effectiveness or the resolution measures, shall be provided in the next MCR.	N	10	days after beginning of each month	Monthly Compliance Report	10th business day of each month				In Progress	3	
CUL	6	Monitor ground disturbance full time	Y	7). If efforts to obtain the services of a qualified Native American monitor are unsuccessful, the project owner shall immediately inform the CPM who will initiate a resolution process.	Y	1	days prior to	Hiring New Contractor or Project Monitor	As Needed				As Needed	3	
CUL	7	Designated Cultural Resource Specialist Authority	N	2). The CRS or project owner will notify the CPM immediately of any halt of construction activities, including the circumstance and proposed mitigation measures.	N	Next Morning, or Monday for Weekends	after	Halting of Ground Disturbance	As Needed				As Needed	3	
CUL	8	Water Pipeline Realignment	Y	Prior to the start of any ground disturbance or project site preparation at the newly identified location of the waterlines and associated pipelines, the project owner shall submit the following for approval by the CPM: 1) The results of the records search and the results of the survey; 2) An evaluation, including site records, of all cultural resources within or adjacent to the project Area of Potential Effects; and 3) The information shall also include the name and tribal affiliation of the Native American monitor.	Y	40	days prior to	Start Ground Disturbance or Project Site Preparation	As Needed				As Needed	3	
ELEC	1	480 Volt and Higher Systems Approved	Y	1). 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.	Y	30	days prior to	Major Construction Increment	As Needed				As Needed	3	No action needed right now

**Compliance Matrix**  
 El Segundo Power Redevelopment Project  
 Docket 00-AFC-14C

Technical Area	COC No.	Condition Short Description	Deliverable Req.	Verification Action	Required Prior to Start of Construction?	Action Days	Submittal Timing	Submittal Trigger Event	Expected Submittal Date	Actual Submittal Date	Submittal Action Approval Date	Amended Date	Compliance Status	Priority (Tier 1, 2, or 3)	Comments
ELEC	1	480 Volt and Higher Systems Approved	Y	2). 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.	Y	na	in the next	Monthly Compliance Report	10th business day of each month				Not Started	3	
GEN	2	Submit Schedules and Drawing Lists to CPM and CBO	Y	2). The project owner shall provide schedule updates in the Monthly Compliance Report.	N	10	days after beginning of each month	Monthly Compliance Report	10th business day of each month				In Progress	1	Following approval of schedule, updates will be provided in MCR.
GEN	4	Assign Resident Engineer/ Duties of RE	Y	3). If the RE or the delegated engineer(s) are subsequently reassigned or replaced, the project owner must submit the name, qualifications, and registration number of the newly assigned engineer to the CBO for review and approval.	N	5	days following	Terminating Contractor or Project Monitor	As Needed				As Needed	2	
GEN	1	Construct in accordance with California Building Code	Y	1). The project owner shall submit to the California Energy Commission Compliance Project Manager (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.	N	30	days following	Receipt of Certificate of Occupancy	1-Dec-12			8-Jul-10	Not Started	3	
GEN	1	Construct in accordance with California Building Code	Y	2). The project owner shall provide the CPM a copy of the Certificate of Occupancy [2007 CBC, Section 109 - Certificate of Occupancy].	N	30	days following	Receipt of Certificate of Occupancy	1-Dec-12			8-Jul-10	Not Started	3	
GEN	3	Pay the CBO for design review, plan check, and construction inspection	Y	1). The project owner shall make the required payments to the CBO in accordance with the agreement between the project owner and the CBO.	N	na	na	Fee Payment	As Needed				As Needed	3	
GEN	3	Pay the CBO for design review, plan check, and construction inspection	Y	2). 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 the applicable fees have been paid.	N	10	days after beginning of each month	Monthly Compliance Report	10th business day of each month				In Progress	3	
GEN	4	Assign Resident Engineer/ Duties of RE	Y	4). The project owner shall notify the CPM of the CBO's approval of the new engineer.	N	5	days following	Hiring New Contractor or Project Monitor	As Needed				In Progress	3	
GEN	5	Assign and Duties of Other Engineers	Y	3). If the designated responsible engineer is subsequently reassigned or replaced, the project owner must submit the name, qualifications, and registration number of the newly assigned engineer to the CBO for review and approval.	N	5	days following	Terminating Contractor or Project Monitor	As Needed				As Needed	3	
GEN	5	Assign and Duties of Other Engineers	Y	4). The project owner shall notify the CPM of the CBO's approval of the new engineer.	N	5	days following	Hiring New Contractor or Project Monitor	As Needed				As Needed	3	
GEN	6	Assign and Duties of Special Inspectors	Y	1). 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.	Y	15	days prior to	Activity Requiring Special Inspection	As Needed				As Needed	3	
GEN	6	Assign and Duties of Special Inspectors	Y	2). The project owner shall also submit to the CPM a copy of the CBO's approval of the qualifications of all special inspectors in the next Monthly Compliance Report.	N	na	in the next	Monthly Compliance Report	10th business day of each month				Not Started	1	
GEN	6	Assign and Duties of Special Inspectors	Y	3). If the special inspector is subsequently reassigned or replaced, the project owner must submit the name and qualifications of the newly assigned special inspector to the CBO for approval.	N	5	days following	Terminating Contractor or Project Monitor	As Needed				As Needed	3	
GEN	6	Assign and Duties of Special Inspectors	Y	4). The project owner shall notify the CPM of the CBO's approval of the newly assigned inspector.	N	5	days following	Hiring New Contractor or Project Monitor	As Needed				As Needed	3	
GEN	7	Keep CBO Informed on Status of Construction	Y	1). The project owner shall transmit a copy of the CBO's approval of any corrective action taken to resolve a discrepancy to the CPM.	N	na	in the next	Monthly Compliance Report	10th business day of each month				As Needed	3	
GEN	7	Keep CBO Informed on Status of Construction	Y	2). If any corrective action is disapproved, the project owner shall advise the CPM of the reason for disapproval, and the revised corrective action to obtain CBO's approval.	N	5	days following	Plan or Permit Revision Notification	As Needed				As Needed	3	
GEN	8	Obtain CBO Approval of All Completed Work	Y	1a). The project owner shall submit to the CBO, with a copy to the CPM in the next Monthly Compliance Report, a written notice that the completed work is ready for final inspection.	N	15	days following	Completion of any Work	As Needed			8-Jul-10	As Needed	3	
GEN	8	Obtain CBO Approval of All Completed Work	Y	1b). The project owner shall submit to the CBO, with a copy to the CPM in the next Monthly Compliance Report, a signed statement that the work conforms to the final approved plans.	N	15	days following	Completion of any work	As Needed			8-Jul-10	As Needed	3	
GEN	8	Obtain CBO Approval of All Completed Work	Y	2). After storing final approved engineering plans, specifications and calculations as described above, the project owner shall submit to the CPM a letter stating that the above documents have been stored and indicate the storage location of such documents.	N	na	na	Filing Requirement	na				Not Started	3	
GEO	3	Conduct Slope Stability Analysis on existing cut slope east of Units 1 & 2	Y	The project owner shall include in the application for a grading permit (see Condition of Certification GEO-5 below) a report of the slope stability analysis and a summary of how the results of this analysis were incorporated into the project foundation and grading plan design for the CBO's review and comment. A copy of the CBO's comments shall be sent to the CPM prior to grading.	Y	1	day prior to	Submittal of Grading Permit	30-Jun-07	30-Jun-07			In Progress	2	
GEO	1	Designate Certified Engineering Geologist & Geotechnical Engineer	Y	3). If the engineering geologist(s) and geotechnical engineer(s) are subsequently replaced, the project owner shall submit for approval the resume(s) and license number(s) of the newly assigned individual(s) to the CBO and CPM.	N	1	days prior to	Terminating Contractor or Project Monitor	As Needed				As Needed	3	
GEO	1	Designate Certified Engineering Geologist & Geotechnical Engineer	Y	4). The CBO and CPM will approve or disapprove of the engineering geologist(s) and geotechnical engineer(s) and will notify the project owner of the findings.	N	15	days following	Resume Submittal	As Needed				As Needed	3	

**Compliance Matrix**  
 El Segundo Power Redevelopment Project  
 Docket 00-AFC-14C

Technical Area	COC No.	Condition Short Description	Deliverable Req.	Verification Action	Required Prior to Start of Construction?	Action Days	Submittal Timing	Submittal Trigger Event	Expected Submittal Date	Actual Submittal Date	Submittal Action Approval Date	Amended Date	Compliance Status	Priority (Tier 1, 2, or 3)	Comments
GEO	4	Conduct a 10 Year Shoreline Monitoring Program and access erosion on the beach area	Y	2). Applicant shall submit the results of assessment as part of its Annual Compliance Report	N	na	na	Annual Compliance Report	Annually during operation			8-Jul-10	Not Started	3	
GEO	4	Conduct a 10 Year Shoreline Monitoring Program and access erosion on the beach area	Y	3). Applicant shall also, at that time, forward the results to the California Coastal Commission and the City of El Segundo with a copy of the transmittal letter to the CPM.	N	na	na	Annual Compliance Report	Annually during operation				Not Started	3	
GEO	4	Conduct a 10 Year Shoreline Monitoring Program and access erosion on the beach area	Y	4). During the first 3 years following commencement of construction, the Applicant shall submit the above mentioned quarterly reports.	N	30	days following the end of each calendar quarter	Quarterly during first three years of construction	Quarterly				In Progress	1	Baseline Monitoring Report Submitted 4/8/2011; Quarterly report submitted 7/8/2011
GEO	4	Conduct a 10 Year Shoreline Monitoring Program and access erosion on the beach area	Y	5). The tenth annual report shall contain the final report.	N	na	na	Annual Compliance Report	Annually during operation				In Progress	3	
GEO	5	Engineering Geologist Duties	Y	1). The project owner shall submit a signed statement to the CPM stating that the Engineering Geology Report has been submitted to the CBO as a supplement to the plans and specifications and that the recommendations contained in the report are incorporated into the plans and specifications.	Y	15	days after submittal of	Submittal of Grading Permit	Oct, 2011	4-Oct-11			In Progress	3	
GEO	5	Engineering Geologist Duties	Y	2). The project owner shall submit copies of the Final Engineering Geology Report required by the 1994 CBC Appendix Chapter 53, Section 3318 Completion of Work, to the CBO and to the CPM.	N	90	days following	Completion of Grading	30-Jan-13				Not Started	3	
GEO	6	Seawall design and construction methods approved	Y	Once a seawall design plan is available, the Applicant shall obtain approval of the design and construction methods from the CBO who will forward all approved plans and comments to the CPM. The CPM shall then forward this information to the Coastal Commission and the City of El Segundo.	Y	na	na	Plan or Permit Revision Notification	As Needed				As Needed	3	
HAZ	1	Advance Approval of Hazardous Materials In Excess of Title 40 or Table 5.15-2 Required	Y	1). The project owner shall provide to the CPM, a list of those hazardous materials designated as regulated substances as set forth in Title 40, CFR Part 355, Subpart J section 355.50. The list shall also include maximum quantities of these substances at the facility.	N	na	na	Annual Compliance Report	Annually during operation				Not Started	3	
HAZ	1	Advance Approval of Hazardous Materials In Excess of Title 40 or Table 5.15-2 Required	Y	2). Copies of the list should also be provided to the City of El Segundo Fire Department (CESFD) and the City of Manhattan Beach Fire Department (CMBFD).	N	na	na	Annual Compliance Report	Annually during operation				Not Started	3	
HAZ	2	Provide Updated Business Plan	Y	The owner shall undertake a hazardous materials floor plan exercise for each shift at the plant with the CESFD and provide a copy of the revised Business Plan, commented on by the CESFD, to the CPM. A copy of the revised Plan shall also be provided to the CMBFD.	N	45	days prior to	Start of ESPR project Units	18-Jul-12				Not Started	3	
HAZ	3	Risk Management Plan Revision	Y	1). The project owner shall furnish a final copy of each updated RMP to the CPM, CESFD and CMBFD. An initial draft of the CalARP RMP shall be provided to the CPM and the CESFD for review and comments. The final CalARP RMP shall be approved by the CPM.	N	45	days prior to	Start-up of Units 5, 6, and 7	18-Jul-12				Not Started	3	
HAZ	3	Risk Management Plan Revision	Y	2). Similarly, an initial draft of the USEPA RMP shall be provided to the CPM and the CESFD for review and comments, at the time it is submitted to the USEPA for review. The final copy of the USEPA RMP shall reflect recommendations of the CPM and the CESFD.	N	45	days prior to	Start-up of Units	18-Jul-12				Not Started	3	
LAND	5	Notification of Plan for Abandoned Fuel Tank Farm Area	Y	1). The project owner shall provide written notification to the planning departments of the City of El Segundo and the City of Manhattan Beach and to the Executive Director of the California Coastal Commission who shall have 30 calendar days to provide written comments to the CPM to review.	N	30	to provide	Written comments to CPM	As Needed				As Needed	3	
LAND	5	Notification of Plan for Abandoned Fuel Tank Farm Area	Y	2). Prior to submitting any building permit applications to any other agency for development of the abandoned fuel tank farm area (Parcel 2), the project owner shall provide a copy of the written notification to the CPM.	Y	60	days prior to	Future Plant Development	As Needed				As Needed	3	
LAND	5	Notification of Plan for Abandoned Fuel Tank Farm Area	Y	3). The project owner shall provide copies of the written notification sent to the Cities of El Segundo, Manhattan Beach and to the Executive Director of the California Coastal Commission to the CPM.	Y	60	days prior to	Future Plant Development	As Needed				As Needed	3	
LAND	7	Provide final grading and drainage plans to COES and COMB	Y	Pursuant to the schedule contained in Condition of Certification CIVIL-1, the project owner shall also submit copies of the proposed drainage structures and grading plans to the City of El Segundo planning department and the City of Manhattan Beach planning department concurrent with their submittal to the Chief Building Official (CBO) and CPM.	Y	15	days prior to	Start Grading	16-Jun-11	3-May-11			In Progress	2	Provided 2 sets of Entry Road Modification Drawings to CBO for submittal to Cities on 5/3/2011
LAND	10	Bikeway Closure or Width Reduction	Y	1). The project owner is to contact the Los Angeles County Department of Public Works Construction Division and Bikeway Coordinator.	Y	30	days prior to	Start of Pre-Construction Activity involving Bikeway	15-Sep-11			8-Jul-10	Not Started	2	
LAND	10	Bikeway Closure or Width Reduction	Y	2). The project owner is to provide to the CPM a copy of the transmittal letter submitted to the Department of Public Works Construction Division and the Bikeway Coordinator requesting their review.	Y	30	days prior to	Closure of Bikeway	September, 2011	September, 2011		8-Jul-10	Not Started	2	
LAND	10	Bikeway Closure or Width Reduction	Y	3). The project owner is to provide to the CPM a copy of the written comments provided by the Department of Public Works Construction Division and the Bikeway Coordinator on the scheduled for bike trail closure and trail use interruption, the detour route, the installation of public signage and notification.	Y	30	days prior to	Closure of Bikeway	September, 2011	September, 2011		8-Jul-10	Not Started	2	
LAND	10	Bikeway Closure or Width Reduction	Y	4). The project owner is to notify the Construction Division, Bikeway Coordinator, and the CPM after posting signage along the bicycle trail.	Y	1	day after	Posting signage along bicycle trail	As Needed			8-Jul-10	As Needed	2	
LAND	10	Bikeway Closure or Width Reduction	Y	5). The project owner is to notify the Bikeway Coordinator after any reopening from a scheduled closure of the bicycle trail.	N	1	day after	Reopening from a scheduled closure	As Needed			8-Jul-10	As Needed	2	

**Compliance Matrix**  
 El Segundo Power Redevelopment Project  
 Docket 00-AFC-14C

Technical Area	COC No.	Condition Short Description	Deliverable Req.	Verification Action	Required Prior to Start of Construction?	Action Days	Submittal Timing	Submittal Trigger Event	Expected Submittal Date	Actual Submittal Date	Submittal Action Approval Date	Amended Date	Compliance Status	Priority (Tier 1, 2, or 3)	Comments
LAND	10	Bikeway Closure or Width Reduction	Y	6). The project owner is to provide the CPM with a complaint resolution form report and resolution explanation.	N	2	days after	Receiving a bicycle related trail complaint	As Needed			8-Jul-10	As Needed	2	
LAND	3	FAA Stack Marking	Y	Pursuant to the schedule contained in Condition of Certification TRANS- 6, the project owner shall submit copies of the FAA Form 7460-1 with copies of the FAA response to Form 7460-1 to the CPM.	Y		30 days prior to	Start of Construction	2-May-11	3-May-11			In Progress	1	
LAND	6	Remove tanks prior to start of commercial operations of new units, remediate after removal, and pave and landscape area according to VIS-2.	Y	1). The project owner shall submit a detailed schedule for the removal of the fuel storage tanks, site remediation and/or soil restoration to the CPM for review and approval prior to the start of construction.	Y		30 days prior to	Start Construction	2-May-11	18-Mar-11			In Progress	1	
LAND	6	Remove tanks prior to start of commercial operations of new units, remediate after removal, and pave and landscape area according to VIS-2.	Y	2). Tanks must be removed prior to start of commercial operations of new units. Area must also be remediated and converted to limited-use parking area with landscaping.	Y		1 days prior to	Start Commercial Operations	31-Jul-13				Not Started	3	
LAND	8	Maintain lease rights with State Lands Commission and provide copies of new or amended agreements to CPM	Y	1). The project owner shall provide the CPM with a copy of submitted lease applications filed with the State Lands Commission and other relevant correspondence.	N	na	na	New Permits/Licenses	Not Specified	16-Jan-07			In Progress	3	
LAND	8	Maintain lease rights with State Lands Commission and provide copies of new or amended agreements to CPM	Y	2). The project owner shall submit to the CPM a copy of all new or amended lease agreements with the California State Lands Commission.	N	na	na	New Permits/Licenses	Not Specified	10-Mar-07			As Needed	3	
LAND	9	Provide final perimeter landscape plan with park benches	Y	1). The public park-type benches shall be installed pursuant to the schedule contained in Condition of Certification VIS-2.	N	na	na	Completion of Public Use Area	1-May-12				In Progress	3	
LAND	9	Provide final perimeter landscape plan with park benches	N	2). The project owner shall contact the CPM to request a final inspection.	N		14 days following	Completion of Public Use Area	1-May-12				Not Started	3	
LAND	11	Bikeway Restoration	Y	1). The project owner is to notify the Los Angeles County Department of Public Works Construction Division and the CPM upon completion of the restoration/repair of the bicycle trail that it is ready for inspection.	N	na	na	Completion of Bikeway restoration	May, 2012			8-Jul-10	Not Started		
LAND	11	Bikeway Restoration	Y	2). If upon completion of the site inspection by the Los Angeles County Department of Public Works Construction Division and the CPM, the CPM notifies the project owner that additional restoration/repair is needed, the project owner shall complete the specified work.	N		30 days within	Receiving notification of additional resporation/repair needed	As Needed			8-Jul-10	As Needed		
LAND	12	Beach Restoration	Y	1). The project owner is to video the beach delivery laydown area and provide a copy of it to the CPM.	Y		15 days prior to	Start of Pre-Construction on the beach	As Needed			8-Jul-10	As Needed		Beach Delivery Only
LAND	12	Beach Restoration	Y	2). The project owner is to notify the CPM after completion of the beach restoration that it is ready for inspection and provide the CPM with a video/DVD showing the restored beach area.	N		7 days after	Completion of Beach Restoration	As Needed			8-Jul-10	As Needed		Beach Delivery Only
LAND	13	California State Lands Commission Lease	Y	The project owner is to provide the CPM a copy of their executed lease or equivalent land use document with the California State Lands Commission.	Y		15 days prior to	Start of Pre-Construction Activity on Beach	As Needed			8-Jul-10	As Needed		Beach Delivery Only
LAND	14	Emergency Service Vehicle and Equipment Passage	Y	1). The project owner is to contact the Chief of Facilities and Property Management Division for the Los Angeles County Department of Beaches and Harbors, and the Chief Lieutenant of the Los Angeles County Fire Department to formalize the heavy equipment/emergency services vehicles passage or alternative option.	Y		30 days prior to	Start of Pre-Construction Activity on Beach	As Needed			8-Jul-10	As Needed		Beach Delivery Only
LAND	14	Emergency Service Vehicle and Equipment Passage	Y	2). The project owner is to provide to the CPM a map showing the agreed upon heavy equipment/emergency services vehicle passage or alternative option.	Y		10 days prior to	Start of Pre-Construction Activity on Beach	As Needed			8-Jul-10	As Needed		Beach Delivery Only
MECH	1	Submit Final Design for Each Piping System	Y	1). Prior to the start of any increment of major piping or plumbing construction listed in Table 1, Condition of Certification GEN-2, the project owner shall submit to the CBO for design review and approval the final plans, specifications and calculations, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with the applicable LORS, and shall send the CPM a copy of the transmittal letter in the next Monthly Compliance Report.	Y		30 days prior to	Major Construction Increment	As Needed				In Progress	3	URS
MECH	1	Submit Final Design for Each Piping System	Y	2). The project owner shall transmit to the CPM, following completion of any inspection, a copy of the transmittal letter conveying the CBO's inspection approvals.	N		na in the next	Monthly Compliance Report	10th business day of each month				In Progress	3	URS
MECH	2	Submit Certification Records for Pressure Vessels	Y	1). Prior to the start of on-site fabrication or installation of any pressure vessel, the project owner shall submit to the CBO for design review and approval, the above listed documents, including a copy of the signed and stamped engineer's certification, with a copy of the transmittal letter to the CPM.	Y		30 days prior to	Major Construction Increment	As Needed				As Needed	3	URS
MECH	2	Submit Certification Records for Pressure Vessels	Y	2). The project owner shall transmit to the CPM, following completion of any inspection, a copy of the transmittal letter conveying the CBO's and/or Cal- OSHA inspection approvals.	N		na in the next	Monthly Compliance Report	10th business day of each month				Not Started	3	URS
MECH	3	Submit HVAC Design Plans	Y	Prior to the start of construction of any HVAC or refrigeration system, the project owner shall submit to the CBO the required HVAC and refrigeration calculations, plans and specifications, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with the CBC and other applicable codes, with a copy of the transmittal letter to the CPM.	Y		30 days prior to	Major Construction Increment	As Needed				As Needed	3	URS
NOI	6	Ensure No Exceedance of Residential Noise Limits	Y	2b). Submit Post-Construction Noise Survey summary report of the survey to the CPM. Included in the report will be a description of any additional mitigation measures necessary to achieve compliance with the above noise limits, and a schedule, subject to CPM approval, for implementing these measures.	N		45 days following	Post-Construction Noise Survey	14-Aug-13				Not Started	3	Expected submittal date assumes survey will be performed beginning 6/1/13 following construction completion 4/1/13

**Compliance Matrix**  
 El Segundo Power Redevelopment Project  
 Docket 00-AFC-14C

Technical Area	COC No.	Condition Short Description	Deliverable Req.	Verification Action	Required Prior to Start of Construction?	Action Days	Submittal Timing	Submittal Trigger Event	Expected Submittal Date	Actual Submittal Date	Submittal Action Approval Date	Amended Date	Compliance Status	Priority (Tier 1, 2, or 3)	Comments
NOI	2	Investigate and resolve Noise Complaints	Y	1). Contact the person making the Noise Complaint and conduct investigation.	N		2 days following	Noise or Other Project Complaint	As Needed				As Needed	2	
NOI	2	Investigate and resolve Noise Complaints	Y	2). File a copy of the Noise Complaint Resolution Form to the CPM	N		2 days following	Noise or Other Project Complaint	As Needed				As Needed	2	
NOI	2	Investigate and resolve Noise Complaints	Y	3). If the noise complaint is not resolved within 3 days, submit a progress report and proposed mitigation schedule to the CPM for approval and the affected City	N		5 days following	Noise or Other Project Complaint	As Needed				As Needed	2	
NOI	2	Investigate and resolve Noise Complaints	Y	4). The project owner shall provide to the CPM, in the applicable Monthly and/or Annual Compliance Report, a listing of noise complaints received in that time period, and the status of resolution of each complaint, including all those which have not yet been resolved.	N		10 days after beginning of each month	Monthly Compliance Report	10th business day of each month				In Progress	2	
NOI	9	Eliminate Vibrations and report complaints	Y	The project owner shall provide, in the applicable Monthly and/or Annual Compliance Report, a listing of vibration complaints received in that time period and the status of resolution of each complaint, including all those which have not yet been resolved.	N		10 days after beginning of each month	Monthly Compliance Report	10th business day of each month				In Progress	2	
NOI	4	Low pressure steam blow shall be employed limited to ambient+5dB. Must submit steam blow description and plan	Y	The project owner shall submit to the CPM drawings or other information describing the steam blow process, including the noise levels expected and the projected time schedule for execution of the process.	Y		15 days prior to	Low Pressure Steam Blow	As Needed				As Needed	3	
NOI	5	Notice of Steam Blow	Y	2). The project owner shall send a letter to the CPM confirming that there has been appropriate notification to the residents, property owners, Cities and businesses of the planned steam blow activities, including a description of the method(s) of that notification.	N		5 days following	Low Pressure Steam Blow	As Needed				As Needed	3	
NOI	6	Ensure No Exceedance of Residential Noise Limits	Y	2a). Conduct Post-Construction Noise Survey after achieving 80 percent of rated capacity and within June 1 - September 30th using same techniques a pre-construction survey.	N		ASAP	within specified time limits	Achieve and Sustain 80 Percent Rated Capacity	June 2013			Not Started	3	
NOI	6	Ensure No Exceedance of Residential Noise Limits	Y	2b). Submit report of post-construction noise survey to CPM.	N		45 days following	Completion of Post-Construction Noise Survey	August 2013						
NOI	6	Ensure No Exceedance of Residential Noise Limits	Y	3). Mitigation Implementation: the project owner shall submit to the CPM a summary report of a new noise survey, performed as described in paragraph B and showing compliance with this condition. If mitigation is required, submit a summary review of measures taken.	N		na	na	Noise Mitigation	As Needed			As Needed	3	
NOI	7	Conduct Occupational Noise Survey	Y	1). The project owner shall conduct an occupational noise survey to identify noise hazardous areas in plant.	N		30 days following	Achieve and Sustain 80 Percent Rated Capacity	June 2013				Not Started	3	
NOI	7	Conduct Occupational Noise Survey	Y	2). The project owner shall submit the noise survey report, including proposed mitigation measures, to the CPM for review and approval.	N		30 days following	Achieve and Sustain 80 Percent Rated Capacity	June 2013				Not Started	3	
NOI	7	Conduct Occupational Noise Survey	Y	3). The project owner shall make the report available to OSHA and Cal-OSHA upon request.	N		na	na	Achieve and Sustain 80 Percent Rated Capacity	Not Specified			Not Started	3	
PAL	1	Designate Paleo Resource Specialist (PRS) and Monitors	Y	2b). If additional monitors are obtained during the project, the PRS shall provide additional letters and resumes to the CPM for approval.	N		7 days prior to	Hiring New Contractor or Project Monitor	As Needed				As Needed	2	
PAL	1	Designate Paleo Resource Specialist (PRS) and Monitors	Y	3). Prior to the termination or release of a PRS, the project owner shall submit the resume of the proposed new PRS to the CPM for review and approval.	N		1 days prior to	Terminating Contractor or Project Monitor	As Needed				As Needed	2	
PAL	2	Provide maps and drawings to PRS	Y	2). If there are changes to the footprint of the project, revised maps and drawings shall be provided.	N		15 days prior to	Start Ground Disturbance	As Needed				In Progress	2	
PAL	2	Provide maps and drawings to PRS	Y	3). If there are changes to the scheduling of the construction phases, the project owner shall submit a letter to the CPM.	N		5 days prior to	Construction Schedule Changes	As Needed				As Needed	2	
PAL	4	Worker Environmental Awareness Program (WEAP)	Y	3). If an alternate paleontological trainer is requested by the owner, the resume and qualifications of the trainer shall be submitted to the CPM for review and approval. Alternate trainers shall not conduct training prior to CPM authorization.	N		1 days prior to	Hiring New Contractor or Project Monitor	As Needed				As Needed	3	
PAL	4	Worker Environmental Awareness Program (WEAP)	Y	4). The project owner shall provide in the Monthly Compliance Report the WEAP copies of the certification of completion forms with the names of those trained and the trainer for each training offered that month. The MCR shall also include a running total of all persons who have completed the training to date.	N		10 days after beginning of each month	Monthly Compliance Report	10th business day of each month				In Progress	3	
PAL	5	PRS Present When Needed	Y	1). The PRS shall prepare a summary of the monitoring report and other paleontological activities that will be placed in the Monthly Compliance Reports. a). the summary will include the name(s) of PRS or monitor(s) active during the month, general descriptions of training and construction activities and general locations of excavations, grading, etc.	N		10 days after beginning of each month	Monthly Compliance Report	10th business day of each month				In Progress	3	
PAL	5	PRS Present When Needed	Y	1b). a section of the report will include the geologic units or subunits encountered; descriptions of sampling within each unit; and a list of fossils identified in the field.	N		10 days after beginning of each month	Monthly Compliance Report	10th business day of each month				In Progress	3	
PAL	5	PRS Present When Needed	Y	1c). a final section of the report will address any issues or concerns about the project relating to paleontologic monitoring including any incidents of non-compliance and any changes to the monitoring plan that have been approved by the CPM.	N		10 days after beginning of each month	Monthly Compliance Report	10th business day of each month				In Progress	3	
PAL	5	PRS Present When Needed	Y	2). If no monitoring took place during the month, the project shall include a justification in summary as to why monitoring was not conducted.	N		10 days after beginning of each month	Monthly Compliance Report	10th business day of each month				In Progress	3	

**Compliance Matrix**  
 El Segundo Power Redevelopment Project  
 Docket 00-AFC-14C

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PAL	5	PRS Present When Needed	Y	3). The PRS shall submit the summary of monitoring and paleontological activities in the Monthly Compliance Report.	N	10	days after beginning of each month	Monthly Compliance Report	10th business day of each month				In Progress	3	
PAL	6	Preserve Paleontological Resources	N	1). The project owner shall maintain in their compliance file copies of signed contracts or agreements with the designated PRS and other qualified research specialists.	N	na	na	Filing Requirement	na				In Progress	3	
PAL	6	Preserve Paleontological Resources	N	2). The project owner shall maintain these files for a period of three years after completion and approval of the CPM-approved PRR.	N	na	na	Filing Requirement	na				In Progress	3	
PAL	6	Preserve Paleontological Resources	Y	3). The project owner shall be responsible to pay curation fees for fossils collected and curated as a result of paleontological monitoring and mitigation.	N	na	na	Fee Payment	As Needed				As Needed	3	
PAL	7	Paleontological Resources Report	Y	The project owner shall submit the Paleontological Resources Report under confidential cover.	N	90	days following	End of Ground Disturbance	30-Jan-13				Not Started	3	
SOC	1	Pay mitigation fees to City of El Segundo (consolidated previous conditions SOC-2,3, and 4, and TRANS-8)	Y	1). The project owner shall submit verification to the CPM that payment of any reduced public service mitigation fee(s) have been submitted to the City of El Segundo.	Y	7	days prior to	Start Commercial Operations	25-Jul-13				Not Started	3	
SOC	1	Pay mitigation fees to City of El Segundo (consolidated previous conditions SOC-2,3, and 4, and TRANS-8)	Y	2). The project owner shall provide proof of payment of the Traffic Mitigation Fee in the next Monthly Compliance Report following payment.	N	next monthly report	following	Start Commercial Operations	10-Sep-13				Not Started	3	
STRU	1	Obtain Incremental Lateral Force Procedures Approval	Y	1). Prior to the start of any increment of construction of any structure or component listed in Table 1 of Condition of Certification GEN-2, the project owner shall submit to the CBO, with a copy to the CPM, the responsible design engineer's signed statement that the final design plans, specifications and calculations conform with all of the requirements set forth in the Energy Commission's Decision.	Y	30	days prior to	Major Construction Increment	25-May-11	25-May-11			Not Started	3	HRSG Foundation & Cais Submitted 5/25; Diapo (RR) received 6/15/11 - project owner working on response
STRU	1	Obtain Incremental Lateral Force Procedures Approval	Y	2). If the CBO discovers non-conformance with the stated requirements, the project owner shall correct and resubmit the plans to the CBO with a copy of the transmittal letter to the CPM.	Y	20	days following	Inspection with Discrepancies or Unforeseen Adverse Situations	As Needed				As Needed	3	URS
STRU	1	Obtain Incremental Lateral Force Procedures Approval	Y	3). The project owner shall submit to the CPM a copy of a statement from the CBO that the proposed structural plans, specifications, and calculations have been approved and are in conformance with the requirements set forth in the applicable LORS.	Y	na	na	Plan or Permit Revision Notification	As Needed				As Needed	3	URS
STRU	2	Submit Reports for Tests and Other Structural Activities	Y	1). If a discrepancy is discovered in any of the above data, the project owner shall prepare and submit an NCR describing the nature of the discrepancies to the CBO, with a copy of the transmittal letter to the CPM. The NCR shall reference the Condition(s) of Certification and the applicable CBC chapter and section.	N	5	days following	Inspection with Discrepancies or Unforeseen Adverse Situations	As Needed				As Needed	3	URS
STRU	2	Submit Reports for Tests and Other Structural Activities	Y	2). The project owner shall submit a copy of the corrective action to the CBO and the CPM.	N	5	days following	Resolution of Discrepancies or Unforeseen Adverse Situations	As Needed				As Needed	3	URS
STRU	2	Submit Reports for Tests and Other Structural Activities	Y	3). The project owner shall transmit a copy of the CBO's approval or disapproval of the corrective action to the CPM.	N	15	days following	Resolution of Discrepancies or Unforeseen Adverse Situations	As Needed				As Needed	3	URS
STRU	2	Submit Reports for Tests and Other Structural Activities	Y	4). If disapproved, the project owner shall advise the CPM of the reason for disapproval, and the revised corrective action to obtain the CBO's approval.	N	5	days following	Resolution of Discrepancies or Unforeseen Adverse Situations	As Needed				As Needed	3	URS
STRU	3	Submit Design Changes Per CBC	Y	1). The project owner shall notify the CBO of the intended filing of design changes, and shall submit the required number of sets of revised drawings and the required number of copies of the other above-mentioned documents to the CBO, with a copy of the transmittal letter to the CPM, on a schedule suitable to the CBO.	Y	na	na	Plan or Permit Revision Notification	As Needed				As Needed	3	URS
STRU	3	Submit Design Changes Per CBC	Y	2). The project owner shall notify the CPM when the CBO has approved the revised plans.	Y	na	in the next	Monthly Compliance Report	10th business day of each month				Not Started	3	URS
STRU	4	HazMat Tanks or Vessels to Comply with Occ Cat 2	Y	1). Prior to the start of installation of the tanks or vessels, containing the above specified quantities of toxic or hazardous materials, the project owner shall submit to the CBO for design review and approval, final design plans, specifications, and calculations, including a copy of the signed and stamped engineer's certification.	Y	30	days prior to	Installation of Contaminated Tanks or Vessels	TBD				Not Started	3	URS
STRU	4	HazMat Tanks or Vessels to Comply with Occ Cat 2	Y	2). The project owner shall send copies of the CBO approvals of plan checks to the CPM in the following Monthly Compliance Report.	Y	na	in the next	Monthly Compliance Report	10th business day of each month				Not Started	3	URS
STRU	4	HazMat Tanks or Vessels to Comply with Occ Cat 2	Y	3). The project owner shall also transmit a copy of the CBO's inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.	N	na	in the next	Monthly Compliance Report	10th business day of each month				Not Started	3	URS
TLSN	1	New Lines Must Comply with CPUC General Orders	Y	The project owner shall submit to the Commission's Compliance Project Manager (CPM) evidence of their intention to comply with the above requirements.	Y	30	days prior to	Transmission Line Construction	2-Dec-11				Not Started	3	URS
TLSN	2	Measure Pre- and Post-Modification Magnetic Strength Fields	Y	The project owner shall ensure that pre-post-modification measurements are tabulated together with the pre-modification measurements presented by the Applicant. A copy of these measurement results shall be filed with the CPM after completion of the measurements.	N	60	days following	Transmission Line Magnetic Field Measurements	TBD				Not Started	3	
TLSN	3	Notification of residents and Electro Interference complaint program	Y	All reports of line-related complaints shall be summarized and included in the Annual Compliance Report to the CPM.	N	na	na	Annual Compliance Report	Annually during operation				Not Started	3	
TRANS	1	Comply with Vehicle Height and Weight Requirements	Y	1). The project owner shall submit copies of any permits received during the month with the Monthly Compliance Report	N	10	days after beginning of each month	Monthly Compliance Report	10th business day of each month				As Needed	2	

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 El Segundo Power Redevelopment Project  
 Docket 00-AFC-14C

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TRANS	1	Comply with Vehicle Height and Weight Requirements	Y	2). In addition, the project owner shall retain copies of these permits and supporting documentation in its compliance file for at least six months after the start of commercial operation.	N	na	na	Filing Requirement	Not Specified				As Needed	2		
TRANS	2	Comply with Public Right-of-Way Encroachment Rules	Y	1). The project owner shall submit copies of permits received during the reporting period.	N	10	days after beginning of each month	Monthly Compliance Report	10th business day of each month				As Needed	2		
TRANS	2	Comply with Public Right-of-Way Encroachment Rules	Y	2). In addition, the project owner shall retain copies of these permits and supporting documentation in its compliance file for at least six months after the start of commercial operation.	N	na	na	Filing Requirement	Not Specified				As Needed	2		
TRANS	3	Comply with HazMat Transportation Requirements	Y	The project owner shall include in its Monthly Compliance Reports, copies of all permits/licenses acquired by the project owner and/or subcontractors concerning the transport of hazardous substances.	N	10	days after beginning of each month	Monthly Compliance Report	10th business day of each month				In Progress	2		
TRANS	7	Roadway Repairs	Y	2). The project owner shall provide to the CPM a letter from the Cities of El Segundo, Manhattan Beach and Los Angeles if work occurred within their jurisdictional public right of way stating their satisfaction with the road improvements.	N	na	na	Following Completion of Regional Road Improvements	As Needed			8-Jul-10	As Needed	3		
TRANS	6	Aircraft Hazard Markings	Y	The project owner shall provide copies of the FAA Form 7460-1 with copies of the FAA response to Form 7460-1, to the CPM and the City of El Segundo Planning Department.	Y	30	days prior to	Start Construction	2-May-11	2-Jun-11		8-Jul-10	In Progress	3	Original submittal 5/3/2011 Resubmitted 6/2/2011	
TSE	1	Submit Schedules and Drawing Lists to CPM and CBO	Y	1). The project owner shall submit the schedule, a Master Drawing List, and a Master Specifications List to the CBO and to the CPM. The schedule shall contain a description and list of proposed submittal packages for design, calculations, and specifications for major structures and equipment (see a list of major equipment in Table 1: Major Equipment List). Additions and deletions shall be made to the table only with CPM and CBO approval.	Y	60	days prior to	Transmission Line Construction	2-Nov-11				Not Started	3	URS	
TSE	1	Submit Schedules and Drawing Lists to CPM and CBO	Y	2). The project owner shall provide schedule updates in the Monthly Compliance Report.	N	10	days after beginning of each month	Monthly Compliance Report	10th business day of each month				Not Started	3	URS	
TSE	2	Assign and Duties of Electrical and Other Engineers	Y	1). The project owner shall submit to the CBO for review and approval, the names, qualifications and registration numbers of all the responsible engineers assigned to the project, at least 30 days prior to start of rough grading.	Y	30	days prior to	Transmission Line Construction	2-Dec-11				Not Started	3	URS	
TSE	2	Assign and Duties of Electrical and Other Engineers	Y	2). The project owner shall notify the CPM of the CBO's approval of the engineers.	Y	5	days following	Hiring New Contractor or Project Monitor	As Needed				As Needed	3	URS	
TSE	2	Assign and Duties of Electrical and Other Engineers	Y	3). If the designated responsible engineer is subsequently reassigned or replaced, the project owner must submit the name, qualifications, and registration number of the newly assigned engineer to the CBO for review and approval.	N	5	days following	Terminating Contractor or Project Monitor	As Needed				As Needed	3	URS	
TSE	2	Assign and Duties of Electrical and Other Engineers	Y	4). The project owner shall notify the CPM of the CBO's approval of the new engineer.	N	5	days following	Hiring New Contractor or Project Monitor	As Needed				As Needed	3	URS	
TSE	3	Keep CBO Informed on Status of Construction	Y	1). The project owner shall submit a copy of the CBO's approval or disapproval of any corrective action taken to resolve a discrepancy to the CPM.	N	15	days following	Hiring New Contractor or Project Monitor	As Needed				As Needed	3	URS	
TSE	3	Keep CBO Informed on Status of Construction	Y	2). If disapproved, the project owner shall advise the CPM of the reason for disapproval, and the revised corrective action required to obtain the CBO's approval.	N	5	days following	Hiring New Contractor or Project Monitor	As Needed				As Needed	3	URS	
TSE	4	Obtain Incremental Design Approval	Y	1a). The project owner shall submit to the CBO for review and approval the final design plans, specifications and calculations for equipment and systems of the power plant switchyard, outlet line and termination, including a copy of the signed and stamped statement from the responsible electrical engineer attesting to compliance with the applicable LORS.	Y	30	days prior to	Transmission Line Construction	2-Dec-11				Not Started	3	URS	
TSE	4	Obtain Incremental Design Approval	Y	1b). and send the CPM a copy of the transmittal letter in the next Monthly Compliance Report.	N	na	in the next	Monthly Compliance Report	10th business day of each month				Not Started	3	URS	
TSE	5	Project to Comply with LORS	Y	This project owner shall submit to the CBO for approval: a) Design drawings, specifications and calculations conforming with CPUC General Order 95 or NESC, Title 8, Articles 35, 36 and 37 of the "High Voltage Electric Safety Orders", NEC, applicable interconnection standards and related industry standards, for the poles/towers, foundations, and/or bolts, conductors, grounding systems and major switchyard equipment.	Y	60	days prior to	Transmission Line Construction	2-Nov-11				Not Started	3	URS	
TSE	5	Project to Comply with LORS	Y	b) For each element of the transmission facilities identified above, the submittal package to the CBO shall contain the design criteria, a discussion of the calculation method(s), a sample calculation based on "worst case conditions" and a statement signed and sealed by the registered engineer in responsible charge, or other acceptable alternative verification, that the transmission element(s) will conform with CPUC General Order 95 or NESC, Title 8, California Code of Regulations, Articles 35, 36 and 37 of the, "High Voltage Electric Safety Orders", NEC, applicable interconnection standards, and related industry standards.	Y	60	days prior to	Transmission Line Construction	2-Nov-11					Not Started	3	URS
TSE	5	Project to Comply with LORS	Y	c) Electrical one-line diagrams signed and sealed by the registered professional electrical engineer in responsible charge, a route map, and an engineering description of equipment and the configurations covered by requirements TSE-5 a) through f) above.	Y	60	days prior to	Transmission Line Construction	2-Nov-11					Not Started	3	URS

**Compliance Matrix**  
 El Segundo Power Redevelopment Project  
 Docket 00-AFC-14C

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TSE	5	Project to Comply with LORS	Y	d) The DFS operational mitigation measures, SPS, and executed Facility Interconnection Agreement shall be provided concurrently to the CPM and CBO. Substitution of equipment and substation configurations shall be identified and justified by the project owner for CBO approval.	Y	60	days prior to	Transmission Line Construction	2-Nov-11				Not Started	3	URS
TSE	6	Submit Design Changes	Y	The project owner shall inform the CBO and the CPM of any impending changes which may not conform to requirements of TSE-6 and request approval to implement such changes.	Y	60	days prior to	Transmission Line Construction	2-Nov-11				Not Started	3	URS
TSE	7	Notify Cal ISO prior to synchronization	Y	1). The project owner shall provide copies of the Cal-ISO letter to the CPM when it is sent to the Cal-ISO.	Y	7	days prior to	Initial Grid Synchronization	25-Oct-12				Not Started	3	URS
TSE	7	Notify Cal ISO prior to synchronization	N	2). The project owner shall contact the Cal-ISO Outage Coordination Department, Monday through Friday, between the hours of 0700 and 1530 at (916) 351-2300 prior to synchronizing the facility with the grid for testing.	Y	1	days prior to	Initial Grid Synchronization	31-Oct-12				Not Started	3	URS
TSE	7	Notify Cal ISO prior to synchronization	Y	3). A report of conversation with the Cal-ISO shall be provided electronically to the CPM before synchronizing the facility with the California transmission system for the first time.	Y	1	days prior to	Initial Grid Synchronization	31-Oct-12				Not Started	3	URS
TSE	8	Inspect Transmission Facilities	Y	The project owner shall transmit to the CPM and CBO: a) "As built" engineering description(s) and one-line drawings of the electrical portion of the facilities signed and sealed by the registered electrical engineer in responsible charge. A statement attesting to conformance with CPUC ISO-95 or NESC, Title 8, California Code of Regulations, Articles 35, 36 and 37 of the, "High Voltage Electric Safety Orders", and applicable interconnection standards, NEC, related industry standards, and these conditions shall be provided concurrently.	N	60	days following	Initial Grid Synchronization	31-Dec-12				Not Started	3	URS
TSE	8	Inspect Transmission Facilities	Y	b) An "as built" engineering description of the mechanical, structural, and civil portion of the transmission facilities signed and sealed by the registered engineer in responsible charge or acceptable alternative verification. "As built" drawings of the mechanical, structural, and civil portion of the transmission facilities shall be maintained at the power plant and made available, if requested, for CPM audit as set forth in the "Compliance Monitoring Plan".	N	60	days following	Initial Grid Synchronization	31-Dec-12				Not Started	3	URS
TSE	8	Inspect Transmission Facilities	Y	c) A summary of inspections of the completed transmission facilities, and identification of any nonconforming work and corrective actions taken, signed and sealed by the registered engineer in charge.	N	60	days following	Initial Grid Synchronization	31-Dec-12				Not Started	3	URS
VIS	1	Facility Visual Enhancement Plan and Seawall Design Plan	Y	2). If the CPM notifies the project owner that revisions of the submittal are needed before the CPM will approve the submittal, the project owner shall prepare and submit to the Coastal Commission staff, the Cities, and CPM a revised submittal.	Y	na	na	Plan or Permit Revision Notification	As Needed				As Needed	2	
VIS	2	Perimeter Screening and On-site Landscape Plan	Y	3). If the CPM notifies the project owner that revisions of the submittal are needed before the CPM will approve the submittal, the project owner shall prepare and submit to the Coastal Commission staff, the Cities, and the CPM a revised submittal.	Y	na	na	Plan or Permit Revision Notification	As Needed				As Needed	2	
VIS	2	Perimeter Screening and On-site Landscape Plan	Y	4). The project owner shall implement the landscape plan.	Y	7	days prior to	Start Commercial Operations	25-Jul-13				Not Started	2	
VIS	2	Perimeter Screening and On-site Landscape Plan	Y	5). The project owner shall notify the CPM when the planting and irrigation system are ready for inspection.	N	7	days following	Completion of Landscape Installation	1-Nov-11				Not Started	2	
VIS	2	Perimeter Screening and On-site Landscape Plan	Y	6). The project owner shall report landscape maintenance activities, including replacement of dead vegetation, for the previous year of operation in the Annual Compliance Report.	N	na	na	Annual Compliance Report	Annually during operation				Not Started	2	
VIS	8	Construction lighting	Y	1). The project owner shall notify the City of Manhattan Beach and the CPM that the lighting is ready for inspection after the first use of construction lighting.	N	7	days following	Site Mobilization	30-May-11	3-Jun-11			In Progress	2	6/3/2011: Notification made for temp lighting on S Side of site
VIS	8	Construction lighting	Y	2). If the CPM notifies the project owner that modifications to the lighting are needed to minimize impacts, the project owner shall implement the necessary modifications and notify the CPM that the modifications have been completed.	Y	15	days following	Plan or Permit Revision Notification	As Needed				As Needed	2	
VIS	8	Construction lighting	Y	3). The project owner shall report any lighting complaints and documentation of resolution in the Monthly Compliance Report, accompanied by any lighting complaint resolution forms for that month.	N	10	days after beginning of each month	Monthly Compliance Report	10th business day of each month				As Needed	2	
VIS	9	Temporary landscaping and 45th Street Berm	Y	2). If the CPM notifies the project owner that revisions of the submittal are needed before the CPM will approve the submittal, the project owner shall prepare and submit to the CPM a revised plan.	Y	30	days following	Plan or Permit Revision Notification	As Needed				As Needed	2	
VIS	9	Temporary landscaping and 45th Street Berm	Y	3). The project owner shall notify the CPM that the 45th Street berm is ready for inspection.	N	7	days following	Completion of 45th Street Berm	23-Sep-11				Not Started	2	Expected submittal date assumes completion of 45th St Berm on 9/16/11
VIS	9	Temporary landscaping and 45th Street Berm	Y	4). The project owner shall notify the CPM within seven days after completing installation of the temporary landscape screening that the planting and irrigation system are ready for inspection.	N	7	days following	Completion of Temporary Landscaping	25-Aug-11				Not Started	2	Expected submittal date assumes completion of temporary landscaping on 8/18/11
VIS	9	Temporary landscaping and 45th Street Berm	Y	5). The project owner shall report landscape maintenance activities, including replacement of dead vegetation, for the previous month of construction in the Monthly Compliance Report.	N	10	days after beginning of each month	Monthly Compliance Report	10th business day of each month	29-Jun-07			Not Started	2	
VIS	3	Design treatment of seawall	Y	2). If the CPM notifies the project owner of any revisions that are needed before the CPM will approve the plan, the project owner shall submit a revised plan to the CPM.	Y	na	na	Plan or Permit Revision Notification	As Needed				As Needed	3	

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 El Segundo Power Redevelopment Project  
 Docket 00-AFC-14C

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VIS	3	Design treatment of seawall	Y	3). The project owner shall notify the CPM that the seawall is ready for inspection.	Y	30	days prior to	Start Commercial Operations	2-Jul-13				Not Started	3	
VIS	3	Design treatment of seawall	Y	4). The project owner shall provide a status report regarding wall maintenance.	N	na	na	Annual Compliance Report	Annually during operation				Not Started	3	
VIS	5	Structure Surface Painting and Treatment	Y	1). The project owner shall submit its proposed treatment plan. Prior to the start of construction, the project owner shall submit to the Executive Director of the Coastal Commission and the Cities of El Segundo and Manhattan Beach for review and comment, and to the CPM for review and approval, a specific treatment plan whose proper implementation will satisfy these requirements.	Y	90	days prior to	Visual Treatment Purchases	August 2011	29-Aug-11	1-Nov-11		In Progress	3	
VIS	5	Structure Surface Painting and Treatment	Y	2). If revisions are required, the project owner shall provide the CPM with a revised plan within 30 days of notification.	Y	30	days following	Plan or Permit Revision Notification	As Needed				As Needed	3	
VIS	5	Structure Surface Painting and Treatment	Y	3). The project owner shall notify the CPM that all buildings and structures are ready for inspection.	Y	7	days prior to	Start Commercial Operations	25-Jul-13				Not Started	3	
VIS	5	Structure Surface Painting and Treatment	Y	4). The project owner shall provide a status report regarding treatment maintenance in the Annual Compliance Report.	N	na	na	Annual Compliance Report	Annually during operation				Not Started	3	
VIS	6	Project Lighting	Y	1). The project owner shall submit to the CPM for review and comment written documentation describing the lighting control measures and fixtures, hoods, shields proposed for use, and incorporate the CPM's comments in lighting equipment orders.	Y	60	days prior to	Lighting Treatment Purchases	Nov, 2012				Not Started	3	
VIS	6	Project Lighting	Y	2). The project owner shall notify the CPM that the lighting has been completed and is ready for inspection.	N	7	days prior to	Turbine First Fire	25-Aug-12				Not Started	3	
VIS	6	Project Lighting	Y	3). If the CPM notifies the project owner that modifications to the lighting are needed to minimize impacts, the project owner shall implement the modifications and notify the CPM that the modifications have been completed.	N	30	days following	Plan or Permit Revision Notification	As Needed				As Needed	3	
VIS	6	Project Lighting	Y	4). The project owner shall report any lighting complaints and documentation of resolution in the Annual Compliance Report, accompanied by any lighting complaint resolution forms for that year.	N	na	na	Annual Compliance Report	Annually during operation				Not Started	3	
VIS	7	Site Lighting	Y	1). The project owner shall submit to the CPM for review and comment written documentation describing the lighting control measures and fixtures, hoods, shields proposed for use, and incorporate the CPM's comments in lighting equipment orders.	Y	60	days prior to	Lighting Treatment Purchases	Jan, 2013				Not Started	3	
VIS	7	Site Lighting	Y	2). The project owner shall notify the CPM that the lighting modifications to Units 3 and 4 have been completed and are ready for inspection.	N	7	days prior to	Final Tank Farm Demolition	1-Jun-13				Not Started	3	
VIS	7	Site Lighting	Y	3). If the CPM notifies the project owner that modifications to the lighting are needed to minimize impacts, the project owner shall implement the modifications and notify the CPM that the modifications have been completed.	N	30	days following	Plan or Permit Revision Notification	As Needed				As Needed	3	
VIS	7	Site Lighting	Y	4). The project owner shall report any complaints about permanent lighting and provide documentation of resolution in the Annual Compliance Report, accompanied by any lighting complaint resolution forms for that year.	N	na	na	Annual Compliance Report	Annually during operation				Not Started	3	
WAS	8	Hazardous Waste Survey	Y	2). The project owner shall inform the CPM, via the monthly compliance report, of the data when all ACM and RBM were removed from the site.	N	10	days after beginning of each month	Monthly Compliance Report	10th business day of each month				In Progress	1	
WAS	3	Submit and Get Waste Management Plan Approved	Y	2). The operation waste management plan shall be submitted prior to the start of project operation.	Y	30	days prior to	Turbine First Fire	2-Aug-12				Not Started	2	
WAS	3	Submit and Get Waste Management Plan Approved	Y	3). The project owner shall submit any required revisions.	N	20	days following	Plan or Permit Revision Notification	As Needed				As Needed	2	
WAS	3	Submit and Get Waste Management Plan Approved	Y	4). In the Annual Compliance Reports, the project owner shall document the actual waste management methods used during the year compared to planned management methods.	N	na	na	Annual Compliance Report	Annually during operation				In Progress	2	
WAS	6	Prepare Remedial Investigation Workplan	Y	2). The project owner shall provide the results of the sampling and analysis to the Glendale Regional Office of the California Department of Toxic Substances Control, the Los Angeles Regional Water Quality Control, the City of El Segundo Fire Department, other agencies, if applicable, and the CPM for review and guidance on possible remediation - within 30 days of completion of the sampling and analysis AND prior to the initiation of any construction activities.	N	30	days following	Remedial Investigations/Actions	As Needed	1-Aug-07		1-Oct-10	As Needed	2	
WAS	6	Submit Results of Sampling	Y	Within thirty (30) days of completion of the sampling and analysis and prior to the initiation of any construction activities, the project owner shall provide the results of the sampling and analysis to the Glendale Regional Office of the California Department of Toxic Substances Control, the Los Angeles Regional Water Quality Control Board, the City of El Segundo Fire Department, other agencies, if applicable, and the CPM for review and guidance on possible remediation.	N			Completion of Sampling	As Needed	17-Mar-11			As Needed		
WAS	2	Report Any Impending Enforcement Actions	Y	1). The project owner shall notify the CPM in writing of an impending enforcement action.	N	10	days following	New Enforcement Action	As Needed				As Needed	3	

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 Docket 00-AFC-14C

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WAS	2	Report Any Impending Enforcement Actions	Y	2). The CPM shall notify the project owner of any changes that will be required in the manner in which project-related wastes are managed.	N	na	na	Waste Management Changes	As Needed				As Needed	3	
WAS	5	Contaminated Soil Excavation	Y	1). The project owner shall submit any reports filed by the Registered Professional Engineer or Geologist to the CPM and the City of El Segundo Fire Department. Within 5 days of their excavation.	N	5	days following	Identification of Soil Contamination	As Needed	2-Mar-11			As Needed	3	SMUD Area Memo: 5/5/11 HRSG Foundation Site Prep Memo Submitted 6/16/11
WAS	5	Contaminated Soil Excavation	Y	2). The project owner shall notify the CPM of any orders issued to halt construction.	N	1	days following	Halt of Construction	As Needed				As Needed	3	
WQ	7	Comply with NPDES Permit for Construction Activity	Y	2). The project owner shall submit copies to the CPM of all correspondence between the project owner and the City, the LARWQCB, and the SWRCB regarding the City's SUSMP and the Construction SWPPP. This information shall include copies the Notice of Intent and Notice of Termination for the project.	N	10	days following	Receipt or Submittal	As Needed			8-Jul-10	As Needed		
WQ	8	CPM Approval of Drainage, Erosion, and Sediment Control Plan (DESCP)	Y	1). The project owner shall submit a copy of the DESC to the City of El Segundo (City) for review and comment.	Y	90	days prior to	Grading	2-Apr-11	3-May-11		8-Jul-10	Not Started	1	Provided 2 sets of Entry Road Modification Drawings to CBO for submittal to Cities on 5/3/2011
WQ	8	CPM Approval of Drainage, Erosion, and Sediment Control Plan (DESCP)	Y	2). The project owner shall submit the DESC and the City's comments to the CPM for review and approval. The CPM shall consider comments received from the City on the DESC before issuing approval.	Y	60	days prior to	Start of Grading or Excavation	2-May-11	20-Apr-11		8-Jul-10	In Progress	1	Entry Road: 4/20/11 Tank Farm: Future Submittal N Const Area: Future Submittal
WQ	8	CPM Approval of Drainage, Erosion, and Sediment Control Plan (DESCP)	Y	3). The DESC shall be revised and a revision submitted to the CPM for project excavation/construction and final grading/stabilization prior to the soil disturbing activities associated with these stages of construction.	Y	na	prior to	Soil Disturbing Activities				8-Jul-10	Not Started		
WQ	8	CPM Approval of Drainage, Erosion, and Sediment Control Plan (DESCP)	Y	4). The DESC shall be consistent with the grading and drainage plan as required by condition of certification CIVIL-1 and relevant portions of the DESC shall clearly show approval by the Chief Building Official. The DESC shall be consistent with the Stormwater Pollution Prevention Plan (SWPPP) developed in accordance with the General Construction Permit (Water Quality Order 99-08-DWQ) and the project's Standard Urban Stormwater Mitigation Plan developed in accordance with the LARWQCB NPDES Permit No. AS0004001 and the City's Ordinance No. 1348 and Chapter 7 of Title 5 of the municipal code.	Y	na	prior to	Soil Disturbing Activities	na			8-Jul-10	In Progress		
WQ	8	CPM Approval of Drainage, Erosion, and Sediment Control Plan (DESCP)	Y	5). The project owner shall provide a narrative describing the effectiveness of the drainage, erosion and sediment control measures, the results of monitoring and maintenance activities, including any BMP inspection reports; and the dates of any dewatering activities.	N	10	days after beginning of each month	Monthly Compliance Report	10th business day of each month			8-Jul-10	In Progress		
WQ	9	General NPDES Permit for Discharges of Storm Water - SWPPP	Y	1). The project owner shall submit to the CPM a copy of the Industrial SWPPP that includes the requirements of the City's SUSMP prior to commercial operation and retain a copy on-site.	Y	na	prior to	Commercial Operation	31-Jul-13			8-Jul-10	Not Started	3	
WQ	9	General NPDES Permit for Discharges of Storm Water - SWPPP	Y	2). The project owner shall submit to the CPM copies of all correspondence between the project owner and the City, the LARWQCB, and the SWRCB regarding the City's SUSMP and the Individual and/or General NPDES Permit for the Discharge of Storm Water Associated with Industrial Activity. The Industrial SWPPP shall include a copy of the Notice of Intent for the project.	Y	10	days following	Receipt or Submittal	As Needed			8-Jul-10	As Needed		
WQ	10	Ballast Water Management Plan	Y	1). The project owner shall provide the State Lands Commission with a copy of the Ballast Water Management Plan that is in compliance with Title 2, Division 3, Chapter 1, Article 4.6 for review and comment.	Y	90	days prior to	Grounding of any Barge	As Needed			8-Jul-10	As Needed	3	Beach Only
WQ	10	Ballast Water Management Plan	Y	2). The project owner shall provide the CPM for review and approval, a copy of the Ballast Water Management Plan that has been reviewed by the State Lands Commission.	Y	60	days prior to	Grounding of any Barge	As Needed			8-Jul-10	As Needed		Beach Only
WRES	3	Executed and Final Recycled Water Purchase Agreement with West Basin Municipal Water District (WBMWD)	Y	1). The project owner shall submit two copies of the final and executed recycled water purchase agreement for the supply and on-site use of recycled water at the ESRRP.	N	60	days prior to	Delivery of Single Pass Reverse Osmosis Recycled Water	TBD			8-Jul-10	Not Started		
WRES	3	Executed and Final Recycled Water Purchase Agreement with West Basin Municipal Water District (WBMWD)	Y	2). The project owner shall submit to the CPM a copy of the cross connection inspection and approval report from the Los Angeles County Health Department prior to the delivery of recycled water from the new 10-inch recycled water pipeline.	N	60	days prior to	Delivery of Single Pass Reverse Osmosis Recycled Water	TBD			8-Jul-10	Not Started		
WRES	4	Potable Water Supplied by the City of El Segundo	Y	1). The project owner shall submit to the CPM two copies of the executed and final Potable Water Supply Agreement (agreement).	N	30	days prior to	Completion of 14-inch Potable Water Pipeline	2-Oct-12			8-Jul-10	Not Started		
WRES	4	Potable Water Supplied by the City of El Segundo	Y	2). The project owner shall submit to the CPM any water quality monitoring reports required by the City in the annual compliance report.	N	30	days prior to	Completion of 14-inch Potable Water Pipeline	2-Oct-12			8-Jul-10	Not Started		
WRES	4	Potable Water Supplied by the City of El Segundo	Y	3). The project owner shall notify the CPM of any violations of the agreement terms and conditions, the actions taken or planned to bring the project back into compliance with the agreement, and the date compliance was reestablished.	N	1	day within	Violation of Agreement Terms and Conditions	As Needed			8-Jul-10	As Needed		
WRES	5	El Segundo Power Redevelopment Project (ESRRP) Operation	Y	1). The project owner shall submit to the CPM evidence that metering devices have been installed and are operational on the potable and recycled water supply and distribution systems.	Y	60	days prior to	ESRRP Commercial Operation	2-Jun-13			8-Jul-10	Not Started		
WRES	5	El Segundo Power Redevelopment Project (ESRRP) Operation	Y	2). The project owner shall submit a Water Use Summary report to the CPM in the annual compliance report. The report shall disaggregate potable water supplied by the City and recycled water supplied by WBMWD for ESRRP industrial and landscape irrigation use.	N	na	na	Annual Compliance Report	Annually during operation			8-Jul-10	Not Started		

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 Docket 00-AFC-14C

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WRES	5	El Segundo Power Redevelopment Project (ESPRP) Operation	Y	3). The project owner shall provide a report on the servicing, testing and calibration of the metering devices in the annual compliance report.	N	na	na	Annual Compliance Report	Annually during operation			8-Jul-10	Not Started		
WRKR	2	Safety and Health Program	Y	The project owner shall submit to the CPM and the City of El Segundo Fire Department a copy of the Project Operations and Maintenance Safety & Health Program.	N	30	days prior to	Turbine First Fire	2-Aug-12				Not Started	3	

**ATTACHMENT B  
AQ-C4  
MONTHLY CONSTRUCTION COMPLIANCE REPORTS  
SEPTEMBER 2011**

# **El Segundo Power Redevelopment Project**

*California Energy Commission  
Monthly Construction Compliance Report*

*September 2011*

*Prepared by:  
Greg Wolfe, CPP  
Air Quality Construction Mitigation Manager  
AECOM Environment*

*Prepared for: El Segundo Energy Center LLC  
Date Submitted: September 10, 2011*

## Summary

### a. Construction Status

#### General Construction Activities

Continued construction activities during September, performed by LVI Services, Inc. (LVI), included the following: moving stockpiled soil to the southwest corner of the project area, compacting fill material in the south and southeast areas of the project, and demobilizing equipment.

Construction activities performed by Performance Mechanical, Inc. (PMI) contractors included trenching and concrete pouring in conduit area.

Construction activities performed by ARB, Inc. (ARB) included shoring installation, excavation, installation of dewatering pumps, dewatering of blow down sump excavations, foundation and mud mat pouring, trenching, and potholing. ARB conducted continuous manual watering was employed in direct areas of heavy construction activity including stock pile relocation, excavation and demolition activities. Water truck was utilized onsite to water both paved and unpaved roads, up to 10 times per day. Onsite street sweeping was conducted 3 times per week, 4 hours per day.

Construction activities performed by Granite Construction included grubbing, clearing, ripping asphalt and commencing berm removal.

Baker Corp. set up a water treatment system for dewatering activities.

Tarsco activities included construction of above ground water tanks for new water treatment system.

## **I. Fugitive Dust Mitigation**

### **a. Identification of each mitigation measure approved by the Construction Project Manager (CPM)**

#### **i. Wind Erosion Control**

- All of the construction parking, office, and laydown/staging areas will be graveled, paved, or left with native vegetation. Watering and limiting vehicle speeds and access will be the preferred dust control method for these areas. *The parking areas are paved, and posted vehicle speeds of 5 miles per hour (mph) are maintained and enforced through contractor and employee on-site training. Site watering is conducted both manually at direct locations of soil disturbance as well as by water truck, with a frequency of approximately 10 times per day, dependent upon site conditions and site activities.*
- Construction activities that generate significant amounts of fugitive dust will be postponed when average wind speeds are greater than 25 miles per hour, unless water, dust suppressants, or other measures have been applied to reduce dust levels to (1) less than 20 percent opacity on-site, and (2) so that no visible plumes occur in excess of 200 feet from linear facilities. *Excavation activities were conducted within a below grade contained area that was generally shielded from the wind by elevation. Excavation activities employed various control measures including street sweeping and site watering; water applications were applied both manually at direct location of soil disturbance and with a water truck.*
- Any windbreaks installed to reduce wind erosion will remain in place until the soil is stabilized or permanently covered with vegetation, when applicable. *Wind breaks were not installed or utilized to control and reduce fugitive dust emissions during construction activities completed in September 2011.*

#### **ii. Earth-Moving in Construction Fill Area Control**

- Watering will be conducted for any earth moving activities to prevent visible dust emissions from migrating beyond the Site property boundary. *Earth-moving activities including stockpiling and truck loading and unloading were conducted without visible dust emissions due to employed control measures. Control measures included manual watering and use of a water truck to spray down any visible dust. A sweeper truck was utilized to contain and control fugitive dust at direct locations of earth-moving activities.*

#### **iii. Fugitive Dust Control in Construction Area**

- Watering will be applied as necessary to minimize fugitive dust generated from construction activities. *Up to 2 personnel maintained*

*manual watering at direct locations of soil disturbance; in addition, during truck loading and hauling, an on-site watering truck was employed and provided site watering up to 10 times per day, on paved and unpaved surfaces around the perimeter of the construction site.*

**iv. Unpaved Roads and Disturbed Areas Control**

- Water will be applied to unpaved roads at least twice per day, or until the roads are sufficiently wet to not cause visible dust plumes beyond the Site property boundary, as applicable. *During truck loading and hauling, an on-site watering truck was employed and provided site watering up to 10 times per day, on paved and unpaved surfaces around the perimeter of the construction site.*
- Alternatively, a non-toxic chemical stabilizer will be applied to all unpaved road surfaces in sufficient quantity and frequency to maintain a stabilized surface. *Non-toxic chemical stabilizers have not been used to reduce and control fugitive dust emissions based on the efficiency of existing controls including site watering, sweeping, and stockpile management.*
- All vehicles will be subject to posted speed limits (5 mph maximum on unpaved roads) to minimize dust generation and ensure safety. *The posted vehicle speed limit of 5 mph is maintained and enforced through contractor and employee on-site training.*

**v. Graded Areas where activities have ceased**

- Any graded areas where construction activities have ceased will be treated with dust suppressants (e.g., magnesium chloride) within 5 working days; or the graded areas will be watered on a daily basis when there is evidence of wind driven fugitive dust, as applicable. *Work continued in graded areas, grading activities did not cease in these area during September construction activities.*
- Alternatively, a vegetative ground cover will be established after active operations have ceased, as applicable. *Grading activities were not observed during September construction activities.*

**vi. Paved Roads Control**

- The first 500 feet of any paved road surfaces exiting from the Site will be cleaned by vacuum mechanical sweeping to remove material buildup. The sweeping will be conducted at least daily (or less during periods of precipitation) when construction activities have the potential to track out dirt or when dirt or runoff from the construction site is visible on the paved roadways. *A sweeper truck was utilized to contain and control fugitive dust at direct locations of haul truck loading. No visible fugitive dust emissions were observed.*

- Construction areas adjacent to any paved roadway will be provided with sandbags or other measures as specified in the Construction Storm Water Pollution Prevention Plan to prevent run-off to roadways, as applicable. *Sandbags were lined on the ingress/egress to the paved construction area. The sandbags were replaced if bag integrity was compromised during ingress/egress usage by incoming and outgoing haul trucks or water trucks.*

**vii. Site Entrance Control**

- The Site Entrance road will be gravel-topped, paved, or chemically stabilized for a distance of at least 100 feet from the public roadway. All vehicles will be required to enter and exit at the Site Entrance road. *The existing entrance to El Segundo Power is paved. No additional controls were required.*
- A tire wash station will be located on the Site, installed immediately adjacent to the Site Entrance road if needed for tracking control. All large vehicles with dirty or muddy tires will be required to use the tire wash station. The tire wash station is located near the exit so that these vehicles do not travel on any unpaved road surface after passing through the tire wash station. *All onsite roadways have been paved; shaker plates to clean tires are installed at the entrance and exit to construction activities; additional tire washing is not necessary for tracking control.*

**viii. Large Haul Trucks Control**

- All trucks transporting soil or loose aggregate material to and from the Site will have loads covered or wetted down to minimize dust. Trucks loaded with soil or loose aggregate will have at least one foot of freeboard on each side. *Materials loaded into haul trucks were wetted prior to loading through continuous, direct manual watering during soil disturbance activities.*

**ix. Open Storage Pile Control**

- Whenever possible, stockpiling operations will reduce the amount and frequency of material handling; minimize the frequency of stockpile disturbance or size of disturbed areas; and will reduce material drop height when loading trucks to minimize dust generation. *Prior to truck loading, stock pile materials were wetted. Additional controls were not required.*
- Soil stockpiles will be treated with non-toxic chemical stabilizers, or water will be applied to the soil stockpiles daily when wind-driven dust is observed, *as applicable*. Soil stockpiles that are inactive for longer than 10 days will be covered or treated with dust suppressant material or will be stabilized with vegetation, as applicable. *Non-toxic chemical*

*stabilizers were not employed to reduce or control fugitive dust emissions from stockpiles during September construction activities. On-site stockpiles, which were undisturbed for 10 days or longer, were controlled using plastic sheeting secured with sandbags or manually watered.*

**x. Additional Dust Control Measures**

- *Direct additional and more intensive application of the existing mitigation methods within 15 minutes of observing the dust plume, as applicable. Dust plumes were observed in the direct area of disturbance on September 14<sup>th</sup> at the west entrance road (unpaved) to the project area and on September 20<sup>th</sup>, 23<sup>rd</sup> and 29<sup>th</sup> in the southwest corner of the site due to road traffic on unpaved roads and earthwork activities. Contractors increased manual watering within 15 minutes of observation.*
- *Direct additional implementation of additional methods of dust suppression within 30 minutes if the original application of additional measures (first bullet) is not effective, as applicable. Additional control measures were not required to reduce and control dust plumes.*
- *Direct a temporary shutdown of the source of emissions within one hour of the original determination, as applicable. Additional control measures were not required to reduce and control dust plumes.*

**b. Identification of specific mitigation measure performed, the location performed, date performed, and date enforced or verified as remaining effective**

**i. Wind Erosion Control**

- *Additional wind erosion control measures were not required to reduce and control emissions during September construction activities.*

**ii. Earth-Moving in Construction Fill Area Control**

- *Additional fugitive dust control measures were not required to reduce and control fugitive dust emissions during September construction activities.*

**iii. Fugitive Dust Control in Construction Area**

- *As described above, site watering was employed using manual watering and water trucks. Manual watering in construction areas included up to 2 personnel direct watering at location of soil disturbance in areas of excavation. Water trucks were employed on-site during daily activities, and circled the perimeter of the site, which include both unpaved and paved roadway, watering up to 10 times per day. Street sweeping was*

*implemented using mobile street sweepers. The mobile street sweeper circled the perimeter of the site, sweeping paved areas, up to 10 times per day. Inactive stockpiles remained covered and secured until further use.*

**iv. Unpaved Roads and Disturbed Areas Control**

- *Control measures employed to control fugitive dust on unpaved road and disturbed areas included site watering and speed limit controls.*

**v. Graded Areas where activities have ceased**

- *Grading activities were not observed during September construction activities.*

**vi. Paved Roads Control**

- *Control measures employed to control fugitive dust on paved road included watering with water truck and street sweeping.*

**vii. Site Entrance Control**

- *Site entrance controls include an enforced speed limit of 5 mph. No additional controls were required or implemented during September construction activities.*

**viii. Large Haul Trucks Control**

- *Control measures employed to reduce fugitive dust emissions from haul trucks included soil wetting prior to loading and covering loads with tarps. No additional controls were required or implemented during September construction activities.*

**ix. Open Storage Pile Control**

- *Inactive open storage piles were covered by plastic sheeting and secured with sandbags to minimize dust generation and/or manually watered.*

**x. Additional Dust Control Measures**

- *Additional fugitive dust control measures were not required to reduce and control emissions during September construction activities.*

**c. Identification of any transgressions or circumventions of mitigation measure and the actions taken to correct the situation**

- *There have been no transgressions or circumventions of any fugitive dust mitigation measure.*

**d. Identification of any observation by the Compliance Mitigation Manager (CMM) of dust plumes beyond the property boundary of the main construction site or beyond an acceptable distance**

**from the linear construction site and what actions (if any) were taken to abate the plume**

- *Dust plumes were not generated during September construction activities. No additional control measures were required.*

## **II. Diesel Construction Equipment Mitigation**

**a. Identification of any changes, as approved by the CPM, to the Diesel Construction Equipment Mitigation Plan from the initial report or the last monthly report including any new contractors and their diesel construction equipment**

- *New contractors onsite during September activities included Baker Corp., Granite Construction, and Tarsco. New equipment brought onsite included: two of the following: backhoe, forklift, excavator, crane, and roller; and one each of the following: mobile drill rig, rubber-tired loader, and aerial lift, all of which are shown in the monthly equipment list (Appendix C) for September.*

**b. A copy of all receipts or other documentation indicating type and amount of fuel purchased, from whom, where delivery occurred, and on what date for the main and related linear construction sites**

- *Fuel receipts representative of onsite fueling during September construction activities are provided in Appendix A.*

**c. Identification and verification of all diesel engines required to meet EPA or CARB 1996 off-road diesel equipment emission standards**

- *All on-site equipment has been evaluated to determine manufacturer, model year, and engine Tier level. A list of equipment and engines onsite in September is provided in Appendix C. The list includes the model year, horse-power, EPA/CARB Tier level, and the date brought onsite. Because of the number of engines and their intermittent usage, the monthly list is of all equipment present onsite for more than 10 days during the reporting month, and does not necessarily mean that all equipment were operated. The monthly equipment report is sorted with new equipment for the reported month shown first, followed by equipment that continued onsite from prior monthly reports. Both the new and continuing equipment sections are ordered sequentially based on the date the equipment arrived onsite (most recent is listed first).*

*All equipment engines meets Tier 3 standard, or obtained documentation demonstrating that a good faith effort had been completed indicating that compliance is not practical, either through the availability of functionally similar equipment or the use of retrofit control devices. In these cases the AQCMM has requested approval from the CPM for this requirement and has provided the sufficient documentation to demonstrate that a good faith effort has been performed. These are noted for specific engines, where appropriate, in the Appendix C.*

**d. The identification of any suitability report being initiated, pursued or the completed report should be included in the monthly report (in the month that it was completed) as should the verification of any subsequent installation of a catalyzed diesel particulate filter. The suitability of the use of a catalyzed diesel particulate filter for a specific piece of construction equipment is to be determined by a qualified mechanic or engineer who must submit a report through the CMM to the CPM for approval.**

- *Onsite contractors are required to use equipment with Tier 3 engines, in accordance with CEC condition AQ-C3. In the few cases where equipment onsite over 10 days cannot meet Tier 3 requirements, engines have been evaluated for eligibility to install retrofit control technology to achieve Tier 3 equivalent standards. Most equipment is not eligible for retrofit control device installation due to visibility impairments to the equipment operators regulated by the California Division of Occupational Safety and Health (Cal/OSHA). Therefore our continuing efforts are focused using only Tier 3 equipment or document a “Good Faith Effort” and request the CPM for relief.*

**e. Identification of any observation by the CMM of dark plumes emanating from diesel-fired construction equipment that extend beyond the property boundary of the main construction site or beyond an acceptable distance from the linear construction site and what actions (if any) were taken to abate the plume or future expected plumes**

- *Visual inspections of construction equipment tail-pipe emissions were conducted daily during Air Compliance Monitoring and Daily Recordkeeping activities. During visual inspections, there were no dark plumes observed. Additional control measures were not required to reduce direct location or fence-line emissions of diesel particulate matter.*

**APPENDIX A**  
**COPIES OF DIESEL FUEL RECEIPTS**

# INVOICE

No.

INVOICE DATE	9-7-11
CUSTOMER'S ORDER NO.	

MC FUELS

SOLD TO:	ARB, inc

SHIP TO:	NRG POWER PLANT
	EL SEGUNDO, CA

SALES PERSON	SHIPPED VIA	TERMS	F.O.B.
--------------	-------------	-------	--------

QTY. ORDERED	QTY. SHIPPED	DESCRIPTION	UNIT	AMOUNT
-1		LABOR Fee		
		EQUIPMENT		
		1-Generator		
	107-	DYED DIESEL #2 Gallons		
		Hours 1071.		
	2.5	1-Generator		
	10-	1-LIFT		
	12.5			
	119.5	TOTAL GALLONS - DYED DIESEL #2		
		David Simonson		

# INVOICE

No.

INVOICE DATE 9-~~13~~-14-11

CUSTOMER'S ORDER NO.

Mc FEELS

SOLD TO: ARR, inc

SHIP TO: NRG Power Plant  
EL SEGUNDO, CA

SALES PERSON	SHIPPED VIA	TERMS	F.O.B.
--------------	-------------	-------	--------

QTY. ORDERED	QTY. SHIPPED	DESCRIPTION	UNIT	AMOUNT
1		LABOR Fee		
		EQUIPMENT		
		GENERATOR - Hours 1328.		
	108.7	DYED DIESEL #2		
		1- EXCAVATOR		
		1 BACKHOC		
		1 WELDER		
	121.3	DYED DIESEL #2		
	239.5	TOTAL DYED DIESEL #2		
	75 -	TOTAL CLEAR DIESEL #2		4.10



# INVOICE

No.

INVOICE DATE 9-20-11

CUSTOMER'S ORDER NO.

*MC FUELS*

SOLD TO:

*ARB, INC*

SHIP TO:

*NR6 PROJECT*

*EL SEGUNDO, CA*

SALES PERSON

SHIPPED VIA

TERMS

F.O.B.

QTY. ORDERED	QTY. SHIPPED	DESCRIPTION	UNIT	AMOUNT
1		LABOR Fee		65-
		EQUIPMENT		
	112.-	DYED DIESEL #2 - GENERATOR Hours: <u>1393</u>		
	4	WELDER ALL DYED DIESEL #2		
	5.2	BACKHOE		
	10	LIFT		
	10	PULLER		
	48	EXCAVATOR		
	4.5	GATOR		
	193.7	TOTAL GALLONS - <u>ALL</u> DYED DIESEL #2		

*Joe C. Lubbeck*  
JOE C. LUBBECK

# INVOICE

No.

INVOICE DATE 9-22-11
CUSTOMER'S ORDER NO.

MC FIELDS

SOLD TO: ARB

SHIP TO: NRG PROTECTOR
EL SEGUNDO, CA

SALESPERSON	SHIPPED VIA	TERMS	F.O.B.

QTY. ORDERED	QTY. SHIPPED	DESCRIPTION	UNIT	AMOUNT
1		LABOR FEE		
		EQUIPMENT - ALL DYED DIESEL #3		
	12	BACKHOE		
	5.7	COMPRESSOR		
	10-	SKUTAX		
		TOTAL GALLONS		
		DYED DIESEL #3		

# INVOICE

No.

INVOICE DATE	9-27-11
CUSTOMER'S ORDER NO.	

SOLD TO: *MC FUELS*  
*ARB*

SHIP TO:  
*NRL Power Plant*  
*EL SEGUNDO, CA*

SALES PERSON	SHIPPED VIA	TERMS	F.O.B.
--------------	-------------	-------	--------

QTY. ORDERED	QTY. SHIPPED	DESCRIPTION	UNIT	AMOUNT
1		LABOR Fee		65-
		EQUIPMENT		
		1 Generator - Hours: 1449		
	113-	TOTAL Gallons - DYED DIESEL #2		
		EQUIPMENT in FIELD		
	9	Roller/compactor		
	5.5	compressor		
	9.6	CASE Backhoe		
	51-	EXCAVATOR		
	2-	GATOR		
	13.5	SKYTRAK		
	90.6	TOTAL Gallons DYED DIESEL #2		
	<u>203.6</u>	TOTAL Gallons DELIVERED - DYED DIESEL #2		

Fuel Receipts  
Granite Construction

CHEVRON  
3633 Sepulveda  
STN 00202019  
09/29/11 15:57:40  
E/VOYAGER  
XXXXXXXXXXXXXXXX3266  
Invoice# 1954941  
Auth# 742807  
OD: 00140893

Pump#: 7  
44.629G @ \$ 4.459/G  
DIES/Self \$199.00  
Total \$199.00

See application  
about how to EARN  
REWARDS with a  
Chevron and Texaco  
Personal  
Credit Card!

THANK YOU FOR  
CHOOSING CHEVRON

CHEVRON  
3633 Sepulveda  
STN 00202019  
09/29/11 16:06:36  
E/VOYAGER  
XXXXXXXXXXXXXXXX3266  
Invoice# 1954950  
Auth# 205666  
OD: 00140893

Pump#: 7  
27.374G @ \$ 4.459/G  
DIES/Self \$122.06  
Total \$122.06

See application  
about how to EARN  
REWARDS with a  
Chevron and Texaco  
Personal  
Credit Card!

THANK YOU FOR  
CHOOSING CHEVRON

CHEVRON  
3633 Sepulveda  
STN 00202019  
09/26/11 15:42:02  
E/VOYAGER  
XXXXXXXXXXXXXXXX3266  
Invoice# 1952565  
Auth# 176378  
OD: 00140827

Pump#: 8  
34.807G @ \$ 4.499/G  
DIES/Self \$156.60  
Total \$156.60

See application  
about how to EARN  
REWARDS with a  
Chevron and Texaco  
Personal  
Credit Card!

THANK YOU FOR  
CHOOSING CHEVRON

CHEVRON  
3633 Sepulveda  
STN 00202019  
09/21/11 17:23:12  
E/VOYAGER  
XXXXXXXXXXXXXXXX3266  
Invoice# 1948838  
Auth# 226626  
OD: 00140623

Pump#: 7  
44.232G @ \$ 4.499/G  
DIES/Self \$199.00  
Total \$199.00

See application  
about how to EARN  
REWARDS with a  
Chevron and Texaco  
Personal  
Credit Card!

THANK YOU FOR  
CHOOSING CHEVRON

CHEVRON  
3633 Sepulveda  
STN 00202019  
09/21/11 17:32:39  
E/VOYAGER  
XXXXXXXXXXXXXXXX3266  
Invoice# 1948848  
Auth# 226626  
OD: 00140623

Pump#: 7  
38.288G @ \$ 4.499/G  
DIES/Self \$172.26  
Total \$172.26

See application  
about how to EARN  
REWARDS with a  
Chevron and Texaco  
Personal  
Credit Card!

THANK YOU FOR  
CHOOSING CHEVRON

Subtotal = \$ 200.00  
Tax = \$ 0.00  
Total = \$ 200.00  
CREDIT \$ 200.00  
Save 10cents/gal instantly at Shell when  
you earn 100 points at Ralphs.  
Pick up a brochure at your local Shell  
for more details.

THANK YOU FOR  
CHOOSING CHEVRON

See application  
about how to EARN  
REWARDS with a  
Chevron and Texaco  
Personal  
Credit Card!

CHEVRON  
3633 Sepulveda  
STN 00202019  
09/27/11 18:44:40  
E/VOYAGER  
XXXXXXXXXXXXXXXX3266  
Invoice# 1953455  
Auth# 052980  
OD: 00140844  
Pump#: 8  
27.114G @ \$ 4.499/G  
DIES/Self \$121.99  
Total \$121.99

THANK YOU FOR  
CHOOSING CHEVRON

See application  
about how to EARN  
REWARDS with a  
Chevron and Texaco  
Personal  
Credit Card!

CHEVRON  
3633 Sepulveda  
STN 00202019  
09/27/11 18:35:32  
E/VOYAGER  
XXXXXXXXXXXXXXXX3266  
Invoice# 1953452  
Auth# 610130  
OD: 00140844  
Pump#: 8  
44.232G @ \$ 4.499/G  
DIES/Self \$199.00  
Total \$199.00

PUMP# 3  
DIESEL 2 CR 47.180G  
PRICE/GAL 4.239  
FUEL TOTAL \$ 200.00  
9/25/2011 02:22:00 PM 191071276  
XXXXX XXXX XX326 6 Voyager  
AUTH 991876  
ODO 140733  
INVOICE 640618

5744445889899

Dakota Cafe \$50 off of a Dakota Dog  
Come inside and enjoy

58589544445

9/25/2011 02:22:00 PM 191071276  
XXXXX XXXX XX326 6 Voyager  
AUTH 991876  
ODO 140733  
INVOICE 640618  
PUMP# 3  
DIESEL 2 CR 47.180G  
PRICE/GAL 4.239  
FUEL TOTAL \$ 200.00  
CREDIT \$ 200.00  
Total = \$ 0.00  
Tax = \$ 0.00  
Subtotal = \$ 200.00  
Save 10cents/gal instantly at Shell when  
you earn 100 points at Ralphs.  
Pick up a brochure at your local Shell  
for more details.

Tanks

# INVOICE

No.

INVOICE DATE	9-28-11
CUSTOMER'S ORDER NO.	

mc FUELS

SOLD TO:	TARSCO

SHIP TO:	NRG Power Plant
	EL SEGUNDO, CA

SALESPERSON	SHIPPED VIA	TERMS	F.O.B.

QTY. ORDERED	QTY. SHIPPED	DESCRIPTION	UNIT	AMOUNT
1		LABOR Fee		
		EQUIPMENT		
	80-	1 Generator		
		Hours - 1205-		
	13	1-Compressor		
	93-	TOTAL Gallons - DIZED DIESEL #2		

*[Handwritten signature]*

No.

INVOICE DATE 9-28-11  
 CUSTOMER'S ORDER NO. 174219-78031

SOLD TO: Mc Falls  
 PMI

SHIP TO:  
 NR6 Power Plant  
 EL SEGUNDO, CA

SALESPERSON \_\_\_\_\_ SHIPPED VIA \_\_\_\_\_ TERMS \_\_\_\_\_ F.O.B. \_\_\_\_\_

QTY. ORDERED	QTY. SHIPPED	DESCRIPTION	UNIT	AMOUNT
1		LABOR Fee		
	29.7	TOTAL Gallons		65
		EQUIPMENT		3.69
10		WELDER		
3.2		COMPRESSOR		
10-		SKYTRAC LIFT		109.59
6.5		SKIP LOADER		+65
		WELDER		174.59
				+TAX

adams 872

INVOICE

# INVOICE

No.

INVOICE DATE	9-21-11
CUSTOMER'S ORDER NO.	174219-78031

MC FUELS

SOLD TO:	Pmi

SHIP TO:	NRC PROJECT
	EL SECONDO, CA

SALESPERSON	SHIPPED VIA	TERMS	F.O.B.

QTY. ORDERED	QTY. SHIPPED	DESCRIPTION	UNIT	AMOUNT
1		LABOR Fee		65
	392	EQUIPMENT		375
		2 WELDERS		\$147.-
		1 COMPRESSOR		+65
		1 LIFE		212.-
		1 SKIP LOADER		+TAX

780 51-402 -

CHEVRON CSI 1844  
101 S. SEPULVEDA  
EL SEGUNDO, CA  
STN 00097879

09/27/11 14:17:51

E/WEX FLEET  
XXXXXXXXXXXXXXXXXXXX2592  
Invoice# 7938825  
Auth# 295422  
OD: 00078055

Pump#: 7  
43.275G @ \$ 3.959/G  
3 Un/Self \$171.33

Total \$171.33

See application  
about how to EARN  
REWARDS with a  
Chevron and Texaco  
Personal  
Credit Card!

THANK YOU FOR  
CHOOSING CHEVRON



M C Fuels  
 P.O. Box 2042  
 Manhattan Beach, Ca 90267  
 Phone: 310-717-2924

*"Diesel Delivered On Demand"*

# Invoice

Date	Invoice #
9/18/2011	920

Bill To
Performance Mechanical, Inc. P.O. BOX 1516 PITTSBURG, CA 94565

Ship To
NRG - POWER PLANT JOB#78031 PO#174219 310 VISTA DEL MAR EL SEGUNDO, CA 90245

P.O. Number	Terms	Due Date	Ship	Via	F.O.B.	Project
174219	Net 15	10/3/2011	9/14/2011			
Quantity	Item Code	Description			Price Each	Amount
1	Labor Fee				65.00	65.00
29.4	red diesel fuel				3.85	113.19T
		EQUIPMENT 1 SKIP LOADER 1 LIFT 1 WELDER 1 COMPRESSOR				
					<b>Subtotal</b>	\$178.19
					<b>Sales Tax (8.75%)</b>	\$9.90
					<b>Total</b>	\$188.09

78031-402

CHEVRON CSI 1891  
601 S VISTADELMAR  
MANHATTAN BEACH, CA  
STN 00097608

03/09/11 12:38:41

E/WEX FLEET  
XXXXXXXXXXXXXXXXXXXX2592  
Invoice# 0885507  
Auth# 244996  
OJ: 00078031

Pump# 8  
\$ 0.25/G \$ 3.999/G  
TAX/Self \$ 36.09  
Total \$ 36.09

See application  
about how to EARN  
REWARDS with a  
Chevron and Texaco  
Personal  
Credit Card!

THANK YOU FOR  
CHOOSING CHEVRON

No.

INVOICE DATE	9-8-11
CUSTOMER'S ORDER NO.	174219-78031

MC Fuels

SOLD TO: PMI

SHIP TO: NR6 Power Plant

EL SEGUNDO, CA

SALES PERSON	SHIPPED VIA	TERMS	F.O.B.
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QTY. ORDERED	QTY. SHIPPED	DESCRIPTION	UNIT	AMOUNT
1		LABOR FUEL		65
	33-	TOTAL Gallons		3.75
		EQUIPMENT		124.74
		1 SKIP LOADER	+65	
		1 WELDER		
		1 COMPRESSOR		
		1 LIGHT TOWER		109.74
		1 LIFT	+ TAX	

# Wood Oil Company of California

...Service Since 1942



Distributor of Major Brand Petroleum Products

INVOICE # 13562

Date: 8-29-11 JOB #: \_\_\_\_\_ P.O. # \_\_\_\_\_

Customer Name: LV2 Environmental

Delivery Address: \_\_\_\_\_

City: El Segundo

Equipment #(s)

<u>Qty</u>	<u>Product</u>	<u>Inches</u>
<u>371</u>	ULS Red Dyed Diesel (15 Max PPM)	Beg _____ End _____
_____	ULS Clear Diesel (15 Max PPM)	Beg _____ End _____
_____	Unleaded Regular Gasoline	Beg _____ End _____
_____	Unleaded Blend Gasoline	Beg _____ End _____
_____	Unleaded Premium Gasoline	Beg _____ End _____

<u>TOP OFF</u>
<u>P.C.S</u>

### Oil Products

<u>Qty</u>	<u>Product</u>
_____	_____
_____	_____
_____	_____

Drums Delivered: \_\_\_\_\_ Drums Returned: \_\_\_\_\_

Driver: [Signature]

<u>Time In</u>	<u>Time Out</u>
<u>6:00</u>	

RECEIPT OF PRODUCTS ACKNOWLEDGED - ADDITIONAL TERMS ON BACK

Customer Signature: [Signature]

1532 W. 132<sup>nd</sup> Street • Gardena, CA 90249  
 (323) 321-3864 (24 hour service) • Fax: (310) 769-0629  
 Email: WoodOil@SBCGlobal.net • Web site: WoodOilCompany.com

Gasoline • Motor Oils • Diesel

For emergency response call PERS at (800) 633-8253

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INVOICE # 13568

Date: 8-30-11 JOB #: \_\_\_\_\_ P.O. # \_\_\_\_\_

Customer Name: LVI Environmental

Delivery Address: \_\_\_\_\_

City: El Segundo Equipment #(s) \_\_\_\_\_

Qty	Product	Inches	Equipment #(s)
<u>271</u>	ULS Red Dyed Diesel (15 Max PPM)	Beg _____ End _____	<u>Top of F TCS</u>
_____	ULS Clear Diesel (15 Max PPM)	Beg _____ End _____	
_____	Unleaded Regular Gasoline	Beg _____ End _____	
_____	Unleaded Blend Gasoline	Beg _____ End _____	
_____	Unleaded Premium Gasoline	Beg _____ End _____	
Oil Products	Product		
_____	_____		
_____	_____		
_____	_____		
_____	_____		

Drums Delivered: \_\_\_\_\_ Drums Returned: \_\_\_\_\_

Driver: \_\_\_\_\_

Time In	Time Out
<u>6:00</u>	<u>7:00</u>

Customer Signature: \_\_\_\_\_

RECEIPT OF PRODUCTS ACKNOWLEDGED - ADDITIONAL TERMS ON BACK

1532 W. 132<sup>nd</sup> Street • Gardena, CA 90249  
 (323) 321-3864 (24 hour service) • Fax: (310) 769-0629  
 Email: WoodOil@SBCGlobal.net • Web site: WoodOilCompany.com  
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INVOICE # 13573

Date: 8-31-11 JOB #: \_\_\_\_\_ P.O. # \_\_\_\_\_

Customer Name: LVI

Delivery Address: \_\_\_\_\_

City: El Segundo

Equipment #(s)

<u>Qty</u>	<u>Product</u>	<u>Inches</u>
<u>216</u>	ULS Red Dyed Diesel (15 Max PPM)	Beg _____ End _____
_____	ULS Clear Diesel (15 Max PPM)	Beg _____ End _____
_____	Unleaded Regular Gasoline	Beg _____ End _____
_____	Unleaded Blend Gasoline	Beg _____ End _____
_____	Unleaded Premium Gasoline	Beg _____ End _____

<u>Top of F P.C.S</u>

### Oil Products

Qty

Product

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Drums Delivered: \_\_\_\_\_ Drums Returned: \_\_\_\_\_

Driver: \_\_\_\_\_

<u>Time In</u>	<u>Time Out</u>
<u>5:30</u>	<u>7:00</u>

RECEIPT OF PRODUCTS ACKNOWLEDGED - ADDITIONAL TERMS ON BACK

Customer Signature: \_\_\_\_\_

1532 W. 132<sup>nd</sup> Street • Gardena, CA 90249  
(323) 321-3864 (24 hour service) • Fax: (310) 769-0629  
Email: WoodOil@SBCGlobal.net • Web site: WoodOilCompany.com

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# Wood Oil Company of California

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INVOICE # 13581

Date: 9-1-11 JOB #: \_\_\_\_\_ P.O. # \_\_\_\_\_

Customer Name: LVI

Delivery Address: \_\_\_\_\_

City: El Segundo

Equipment #(s)

<u>Qty</u>	<u>Product</u>	<u>Inches</u>	
<u>202</u>	ULS Red Dyed Diesel (15 Max PPM)	Beg	End
_____	ULS Clear Diesel (15 Max PPM)	Beg	End
_____	Unleaded Regular Gasoline	Beg	End
_____	Unleaded Blend Gasoline	Beg	End
_____	Unleaded Premium Gasoline	Beg	End

<u>Top Off</u>
<u>PCS</u>

## Oil Products

<u>Qty</u>	<u>Product</u>
_____	_____
_____	_____
_____	_____

Drums Delivered: \_\_\_\_\_ Drums Returned: \_\_\_\_\_

Driver: [Signature]

<u>Time In</u>	<u>Time Out</u>
<u>5:30</u>	<u>7:00</u>

RECEIPT OF PRODUCTS ACKNOWLEDGED - ADDITIONAL TERMS ON BACK

Customer Signature: [Signature]

1532 W. 132<sup>nd</sup> Street • Gardena, CA 90249  
(323) 321-3864 (24 hour service) • Fax: (310) 769-0629  
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INVOICE # 14078

Date: 9-6-11 JOB #: \_\_\_\_\_ P.O. # 151507

Customer Name: LVI Environ mental

Delivery Address: \_\_\_\_\_

City: LI segundo

Equipment #(s)

<u>Qty</u>	<u>Product</u>	<u>Inches</u>
<u>97</u>	ULS Red Dyed Diesel (15 Max PPM)	Beg _____ End _____
_____	ULS Clear Diesel (15 Max PPM)	Beg _____ End _____
_____	Unleaded Regular Gasoline	Beg _____ End _____
_____	Unleaded Blend Gasoline	Beg _____ End _____
_____	Unleaded Premium Gasoline	Beg _____ End _____

<u>TOP OFF</u>
<u>PCS</u>

Oil Products

<u>Qty</u>	<u>Product</u>
_____	_____
_____	_____
_____	_____

Drums Delivered: \_\_\_\_\_ Drums Returned: \_\_\_\_\_

Driver: [Signature]

<u>Time In</u>	<u>Time Out</u>
<u>5:30</u>	<u>7:00</u>

RECEIPT OF PRODUCTS ACKNOWLEDGED - ADDITIONAL TERMS ON BACK

Customer Signature: [Signature]

1532 W. 132<sup>nd</sup> Street • Gardena, CA 90249  
 (323) 321-3864 (24 hour service) • Fax: (310) 769-0629  
 Email: WoodOil@SBCGlobal.net • Web site: WoodOilCompany.com

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# Wood Oil Company of California

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INVOICE # 14083

Date: 9-7-11

JOB #: \_\_\_\_\_

P.O. # \_\_\_\_\_

Customer Name: LVI Environmental

Delivery Address: \_\_\_\_\_

City: El Segundo

Equipment #(s)

<u>Qty</u>	<u>Product</u>	<u>Inches</u>
_____	ULS Red Dyed Diesel (15 Max PPM)	Beg _____ End _____
<u>28</u>	ULS Clear Diesel (15 Max PPM)	Beg _____ End _____
_____	Unleaded Regular Gasoline	Beg _____ End _____
_____	Unleaded Blend Gasoline	Beg _____ End _____
_____	Unleaded Premium Gasoline	Beg _____ End _____

<u>top off</u>
<u>water</u>
<u>TRUCK</u>

## Oil Products

Qty

Product

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Drums Delivered: \_\_\_\_\_ Drums Returned: \_\_\_\_\_

Driver: [Signature]

<u>Time In</u>	<u>Time Out</u>
<u>5:30</u>	<u>7:00</u>

RECEIPT OF PRODUCTS ACKNOWLEDGED - ADDITIONAL TERMS ON BACK

Customer Signature: [Signature]

1532 W. 132<sup>nd</sup> Street • Gardena, CA 90249  
(323) 321-3864 (24 hour service) • Fax: (310) 769-0629  
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# Wood Oil Company of California

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INVOICE # 14084

Date: 9-7-11 JOB #: \_\_\_\_\_ P.O. # \_\_\_\_\_

Customer Name: LVI Environmental

Delivery Address: \_\_\_\_\_

City: El Segundo

Equipment #(s)

<u>Qty</u>	<u>Product</u>	<u>Inches</u>
<u>216</u>	ULS Red Dyed Diesel (15 Max PPM)	Beg _____ End _____
_____	ULS Clear Diesel (15 Max PPM)	Beg _____ End _____
_____	Unleaded Regular Gasoline	Beg _____ End _____
_____	Unleaded Blend Gasoline	Beg _____ End _____
_____	Unleaded Premium Gasoline	Beg _____ End _____

<u>TOP OIL PERS</u>

### Oil Products

<u>Qty</u>	<u>Product</u>
_____	_____
_____	_____
_____	_____

Drums Delivered: \_\_\_\_\_ Drums Returned: \_\_\_\_\_

Driver: [Signature]

<u>Time In</u>	<u>Time Out</u>
<u>5:30</u>	<u>7:00</u>

RECEIPT OF PRODUCTS ACKNOWLEDGED - ADDITIONAL TERMS ON BACK

Customer Signature: [Signature]

1532 W. 132<sup>nd</sup> Street • Gardena, CA 90249  
(323) 321-3864 (24 hour service) • Fax: (310) 769-0629  
Email: WoodOil@SBCGlobal.net • Web site: WoodOilCompany.com

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# Wood Oil Company of California

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INVOICE # 14090

Date: 9-8-11

JOB #:

P.O. #

Customer Name:

LVI Environmental

Delivery Address:

City:

Escondido

Equipment #(s)

<u>Qty</u>	<u>Product</u>	<u>Inches</u>
<u>192</u>	ULS Red Dyed Diesel (15 Max PPM)	Beg _____ End _____
<u>35</u>	ULS Clear Diesel (15 Max PPM)	Beg _____ End _____
_____	Unleaded Regular Gasoline	Beg _____ End _____
_____	Unleaded Blend Gasoline	Beg _____ End _____
_____	Unleaded Premium Gasoline	Beg _____ End _____

<u>Top of</u>
<u>PES</u>
<u>Total = 192</u>

### Oil Products

<u>Qty</u>	<u>Product</u>
_____	_____
_____	_____
_____	_____

Drums Delivered: \_\_\_\_\_

Drums Returned: \_\_\_\_\_

Driver: \_\_\_\_\_

<u>Time In</u>	<u>Time Out</u>

RECEIPT OF PRODUCTS ACKNOWLEDGED - ADDITIONAL TERMS ON BACK

Customer Signature: \_\_\_\_\_

1532 W. 132<sup>nd</sup> Street • Gardena, CA 90249  
 (323) 321-3864 (24 hour service) • Fax: (310) 769-0629  
 Email: WoodOil@SBCGlobal.net • Web site: WoodOilCompany.com

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# Wood Oil Company of California

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INVOICE # 14098

Date: 9-9-11

JOB #: \_\_\_\_\_

P.O. # \_\_\_\_\_

Customer Name: LVI

Delivery Address: \_\_\_\_\_

City: El Segundo

Equipment #(s)

<u>Qty</u>	<u>Product</u>	<u>Inches</u>
<u>230</u>	ULS Red Dyed Diesel (15 Max PPM)	Beg _____ End _____
_____	ULS Clear Diesel (15 Max PPM)	Beg _____ End _____
_____	Unleaded Regular Gasoline	Beg _____ End _____
_____	Unleaded Blend Gasoline	Beg _____ End _____
_____	Unleaded Premium Gasoline	Beg _____ End _____

<u>TOP OFF</u>
<u>PCS</u>

### Oil Products

<u>Qty</u>	<u>Product</u>
_____	_____
_____	_____
_____	_____

Drums Delivered: \_\_\_\_\_ Drums Returned: \_\_\_\_\_

Driver: [Signature]

<u>Time In</u>	<u>Time Out</u>
<u>5:30</u>	<u>7:00</u>

RECEIPT OF PRODUCTS ACKNOWLEDGED - ADDITIONAL TERMS ON BACK

Customer Signature: [Signature]

1532 W. 132<sup>nd</sup> Street • Gardena, CA 90249  
(323) 321-3864 (24 hour service) • Fax: (310) 769-0629  
Email: WoodOil@SBCGlobal.net • Web site: WoodOilCompany.com

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INVOICE # 13493

Date: 8-19-2011 JOB #: \_\_\_\_\_ P.O. # \_\_\_\_\_

Customer Name: LVI Environmental

Delivery Address: \_\_\_\_\_

City: El Segundo

Equipment #(s)

<u>Qty</u>	<u>Product</u>	<u>Inches</u>
<u>264</u>	ULS Red Dyed Diesel (15 Max PPM)	Beg _____ End _____
_____	ULS Clear Diesel (15 Max PPM)	Beg _____ End _____
_____	Unleaded Regular Gasoline	Beg _____ End _____
_____	Unleaded Blend Gasoline	Beg _____ End _____
_____	Unleaded Premium Gasoline	Beg _____ End _____

<u>top off pcs</u>

**Oil Products**

<u>Qty</u>	<u>Product</u>
_____	_____
_____	_____
_____	_____

Drums Delivered: \_\_\_\_\_ Drums Returned: \_\_\_\_\_

Driver: [Signature]

<u>Time In</u>	<u>Time Out</u>

RECEIPT OF PRODUCTS ACKNOWLEDGED - ADDITIONAL TERMS ON BACK

Customer Signature: [Signature]

1532 W. 132<sup>nd</sup> Street • Gardena, CA 90249  
 (323) 321-3864 (24 hour service) • Fax: (310) 769-0629  
 Email: WoodOil@SBCGlobal.net • Web site: WoodOilCompany.com

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Date: 9-17-11 **JOB #:** \_\_\_\_\_ **INVOICE #** 14109  
**P.O. #** \_\_\_\_\_

Customer Name: LVI Environmental

Delivery Address: \_\_\_\_\_

City: El Segundo

**Equipment #(s)**

<u>Qty</u>	<u>Product</u>	<u>Inches</u>	
<u>303</u>	ULS Red Dyed Diesel (15 Max PPM)	Beg _____	End _____
_____	ULS Clear Diesel (15 Max PPM)	Beg _____	End _____
_____	Unleaded Regular Gasoline	Beg _____	End _____
_____	Unleaded Blend Gasoline	Beg _____	End _____
_____	Unleaded Premium Gasoline	Beg _____	End _____

<u>Top off</u>
<u>P.R.S</u>

### Oil Products

<u>Qty</u>	<u>Product</u>
_____	_____
_____	_____
_____	_____

Drums Delivered: \_\_\_\_\_ Drums Returned: \_\_\_\_\_

Driver: \_\_\_\_\_

<u>Time In</u>	<u>Time Out</u>
<u>5:30</u>	<u>7:00</u>

RECEIPT OF PRODUCTS ACKNOWLEDGED - ADDITIONAL TERMS ON BACK

Customer Signature: \_\_\_\_\_

1532 W. 132<sup>nd</sup> Street • Gardena, CA 90249  
(323) 321-3864 (24 hour service) • Fax: (310) 769-0629  
Email: WoodOil@SBCGlobal.net • Web site: WoodOilCompany.com

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# Wood Oil Company of California

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Date: 9-13-11 INVOICE # 14102  
JOB #: \_\_\_\_\_ P.O. # \_\_\_\_\_

Customer Name: LVI Environ

Delivery Address: \_\_\_\_\_

City: El Segundo

Equipment #(s)

<u>Qty</u>	<u>Product</u>	<u>Inches</u>
<u>174</u>	ULS Red Dyed Diesel (15 Max PPM)	Beg _____ End _____
_____	ULS Clear Diesel (15 Max PPM)	Beg _____ End _____
_____	Unleaded Regular Gasoline	Beg _____ End _____
_____	Unleaded Blend Gasoline	Beg _____ End _____
_____	Unleaded Premium Gasoline	Beg _____ End _____

<u>Top of F</u>
<u>Pcs</u>

**Oil Products**

<u>Qty</u>	<u>Product</u>
_____	_____
_____	_____
_____	_____

Drums Delivered: \_\_\_\_\_ Drums Returned: \_\_\_\_\_

Driver: [Signature]

<u>Time In</u>	<u>Time Out</u>
<u>5:30</u>	<u>7:00</u>

RECEIPT OF PRODUCTS ACKNOWLEDGED - ADDITIONAL TERMS ON BACK

Customer Signature: [Signature]

1532 W. 132<sup>nd</sup> Street • Gardena, CA 90249  
(323) 321-3864 (24 hour service) • Fax: (310) 769-0629  
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# Wood Oil Company of California

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INVOICE # 14129

Date: 9-14-11

JOB #: \_\_\_\_\_

P.O. # \_\_\_\_\_

Customer Name: LVI Environmental

Delivery Address: \_\_\_\_\_

City: El Segundo

Equipment #(s)

<u>Qty</u>	<u>Product</u>	<u>Inches</u>
<u>19</u>	ULS Red Dyed Diesel (15 Max PPM)	Beg _____ End _____
_____	ULS Clear Diesel (15 Max PPM)	Beg _____ End _____
_____	Unleaded Regular Gasoline	Beg _____ End _____
_____	Unleaded Blend Gasoline	Beg _____ End _____
_____	Unleaded Premium Gasoline	Beg _____ End _____

<u>Top off</u>
<u>P.C.S</u>

### Oil Products

<u>Qty</u>	<u>Product</u>
_____	_____
_____	_____
_____	_____

Drums Delivered: \_\_\_\_\_

Drums Returned: \_\_\_\_\_

Driver: \_\_\_\_\_

<u>Time In</u>	<u>Time Out</u>

RECEIPT OF PRODUCTS ACKNOWLEDGED - ADDITIONAL TERMS ON BACK

Customer Signature: \_\_\_\_\_

1532 W. 132<sup>nd</sup> Street • Gardena, CA 90249  
(323) 321-3864 (24 hour service) • Fax: (310) 769-0629  
Email: WoodOil@SBCGlobal.net • Web site: WoodOilCompany.com

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INVOICE # 14149

Date: 9-16-11

JOB #: \_\_\_\_\_

P.O. # \_\_\_\_\_

Customer Name: LVI

Delivery Address: \_\_\_\_\_

City: El Segundo

Equipment #(s)

<u>Qty</u>	<u>Product</u>	<u>Inches</u>
<u>4</u>	ULS Red Dyed Diesel (15 Max PPM)	Beg _____ End _____
_____	ULS Clear Diesel (15 Max PPM)	Beg _____ End _____
_____	Unleaded Regular Gasoline	Beg _____ End _____
_____	Unleaded Blend Gasoline	Beg _____ End _____
_____	Unleaded Premium Gasoline	Beg _____ End _____

<u>top of 1</u>
<u>lab set</u>

## Oil Products

Qty

Product

<u>Qty</u>	<u>Product</u>
_____	_____
_____	_____
_____	_____

Drums Delivered: \_\_\_\_\_

Drums Returned: \_\_\_\_\_

Driver: X

<u>Time In</u>	<u>Time Out</u>
<u>6:40</u>	<u>7:00</u>

RECEIPT OF PRODUCTS ACKNOWLEDGED - ADDITIONAL TERMS ON BACK

Customer Signature: [Signature]

1532 W. 132<sup>nd</sup> Street • Gardena, CA 90249  
(323) 321-3864 (24 hour service) • Fax: (310) 769-0629  
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**APPENDIX B**  
**COPIES OF CARB PORTABLE EQUIPMENT REGISTRATIONS**

The following PERP equipment was used at the project during the month of September 2011.

<b>Appendix B: Onsite PERP Equipment</b>			
<b>Equipment Operator/Contractor</b>	<b>Equipment Description</b>	<b>PERP Registration Number</b>	<b>PERP Registration Expiration</b>
ARB, Inc.	Generator	146078	12/31/11
Baker Corp	Pump	155140	07/31/14
Baker Corp	Pump	155141	07/31/14
Baker Corp	Pump	147497	05/31/12
Baker Corp	Pump	115836	06/30/14
Baker Corp	Pump	146437	01/31/12
Baker Corp	Pump	146439	01/31/12
Tarsco	Welder	148941	09/30/12

**APPENDIX C**  
**LIST OF DIESEL-FUEL EQUIPMENT**

### Appendix C: List of Diesel-Fueled Offroad Equipment (September 2011)

Contractor Name	Equipment Manufacturer <sup>1</sup>	Equipment Type	Equipment Model	Engine Model Year <sup>1</sup>	Horsepower (HP)	EPA Engine Tier Level <sup>1</sup>	CARB EIN	Onsite Arrival
<b>Equipment Brought Onsite in September 2011</b>								
ARB	ABI	Mobile Drill Rig	TM-17	2002	630	2 <sup>1</sup>	XU5V48	9/8/2011
ARB	Caterpillar	Excavator	336DL	2009	268	3	HV6X64	9/12/2011
ARB	Case	Tractor/Loader/Backhoe	580SM	2010	97	4	KV5Y73	9/13/2011
PMI	Bragg	Crane	RT-760E	2006	240	3	EL9G37	9/13/2011
ARB	Hamm	Roller	3410-Shell	2011	134	3	NH9Y39	9/14/2011
Granite	Caterpillar	Excavator	321DCLR	2008	157	3	SL7L83	9/19/2011
Granite	Caterpillar	Rubber Tired Loader	950 H	2006	224	3	YJ4J74	9/22/2011
ARB	Inquipco/Terex	Crane	RT65-007	2007	220	3	ET4C78	9/23/2011
Morrow Meadows	Genie	Aerial Lift	GTH-5519	2010	67	3	EJ5F99	9/29/2011
<b>Equipment Continuing Onsite in September 2011</b>								
LVI Services	Volvo	Excavator	EC460BLC	2006	316	3	SS3T35	8/26/2010
LVI Services	Hitachi	Excavator	ZX800	2004	456	2 <sup>2</sup>	NG4M34	12/2/2010
LVI Services	Komatsu	Excavator	PC650LC5	1991	410	0 <sup>2</sup>	NK3X63	12/20/2010
LVI Services	Komatsu	Crawler/Tractor	D65EX-15EO	2006	207	3	UL5B58	2/4/2011
LVI Services	Caterpillar	Tractors/Loader/Backhoes	973C	2000	230	1 <sup>2</sup>	JC8Y37	2/9/2011
LVI Services	Deere	Dump Truck	350D	2007	380	3	DK5F88	5/24/2011
LVI Services	Deere	Dump Truck	400D	2008	422	3	FM6T89	6/2/2011
PMI	Deere	Tractor/Loader/Backhoe	210LJ	2011	75	4	PE4R88	6/6/2011
PMI	JCB	Tractor/Loader/Backhoe	3CX-14	2011	100	3	SX5K47	6/9/2011
LVI Services	HAMM	Roller	3410/SHELL	2011	134	3	GV3X88	6/10/2011
LVI Services	Takeuchi	Skid Steer Loader	TL250C	2010	99	4	MF8M85	6/10/2011
LVI Services	Takeuchi	Skid Steer Loader	TL240C	2011	87	4	TJ7F47	6/16/2011
ARB	Sky Track	Forklift	10K	2007	110	3	RA7A36	6/24/2011
LVI Services	Case	Rubber Tired Loader	570 MXT	2004	85	2 <sup>2</sup>	GS7S97	7/5/2011
PMI	JLG	Forklift	10054	2007	87	3	EB3Y49	7/25/2011
Granite	Volvo	Roller	DD90HF	2011	130	3	EW3L59	7/27/2011
PMI	JCB	Tractor/Loader/Backhoe	3CX	2009	84	4	YV7K63	8/11/2011
LVI	Dynapac	Roller	CA362D	2008	150	3	YG8Y55	8/29/2011

**Notes:**

<sup>1</sup> Good faith effort provided to the CEC Construction Project Manager (CPM) on September 9, 2011 for intermittent onsite use of one Mobilram.

<sup>2</sup> Good faith effort documentation was provided to the CPM on June 16, 2011, requested approval for operation. In accordance with CPM e-mail dated September 6, 2011, this note references submittal no. 2011-1477.

**ATTACHMENT C  
CUL-5 AND CUL-6  
CULTURAL RESOURCES REPORT  
SEPTEMBER 2011**

**NRG EL SEGUNDO REPOWERING PROJECT: CULTURAL RESOURCES  
MITIGATION MONITORING REPORT FOR THE MONTH OF SEPTEMBER, 2011**

**Prepared for:**

George L. Piantka, PE  
NRG Energy, West  
1817 Aston Avenue, Suite 104  
Carlsbad, CA 92008

**Prepared by:**

Robert S. White  
Laura S. White M.A.

John Minch and Associates, Inc.  
26623 Sierra Vista  
Mission Viejo, CA 92692

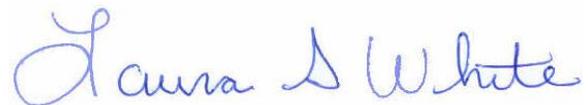
Tel: (949) 367-1000  
Fax: (949) 367-0117

**Contact person:**

Edwin Minch, Principal

October 7, 2011

The undersigned certifies that the attached report is a true and accurate description of the results of a CULTURAL RESOURCES MONITORING program described herein.



.....  
Laura S. White, M.A.  
Cultural Resource Specialist

## **INTRODUCTION**

As contracted by NRG Energy, West/El Segundo Power II LLC, John Minch & Associates, Inc. (JMA) has completed archaeological monitoring of construction and demolition activities for September, 2011 in conjunction with the El Segundo Repowering Project. Briefly, earth-disturbing activities focused on but were not limited to: 1) the relocation of existing utilities throughout the site, 2) removal of landscaping and asphalt paving from the southern area of the site, and 3) excavation of contaminated soils in the northern area of the site. The work took place over a 21-day period between September 1 and 30, 2011.

Prior to the onset of earth-disturbing activities, JMA conducted Worker Environmental Awareness Program training (WEAP) on August 1, 15 and 26 and September 27, 2011 for all new PMI, ARB and Granite Construction personnel. In general, the training session addressed: 1) the paleontological and cultural resources regulatory framework with which the project must comply, 2) a discussion of the sensitivity of the project area for paleontological and cultural resources and the potential for encountering such resources, 3) examples of paleontological resources (fossils) and cultural resources (prehistoric and/or historic finds), and 4) the procedures to be followed in the event of the discovery of paleontological and cultural resources, and more importantly, human remains. The WEAP training session was presented in a narrated, Power Point format. Both the CRS and PRS were present at the presentations.

## **MONITORING PROGRAM**

Monitoring for the month of September focused on the continuing relocation of utilities throughout the site and removal of asphalt paving and landscaping in the southerly portion of the plant. To a lesser extent, limited monitoring took place in the area once occupied by Units 1 and 2 during the removal of contaminated materials. PMI undertook trenching operations for utility relocation in areas throughout the site, Granite Construction stripped pavement and removed vegetation in the southern portion of the site, and ARB conducted excavations in the LVI work area.

Excavations were accomplished using numerous track excavators/hoes, a track loader, bulldozers, skid-steer loaders (Bobcats), backhoes, skiploaders and end-dump trucks. Backhoes supplemented by handwork were used for utility relocation. The deepest of the excavation work took place in the demolition area where removals went below 10-feet in depth.

Due to contaminated soil in the ARB (LVI) work area, access was restricted to the periphery of the excavation. When practical, monitoring of ARB's excavation activities entailed closely observing the soil once the concrete had been removed and/or as the soil was being removed. If deemed necessary, uncontaminated spoils were also examined once they had been placed in the spoils pile or transport bin. No attempt was made to access any contaminated soils or rubble. When allowed, the native ground surface was thoroughly inspected for any signs of buried prehistoric or historic deposits.

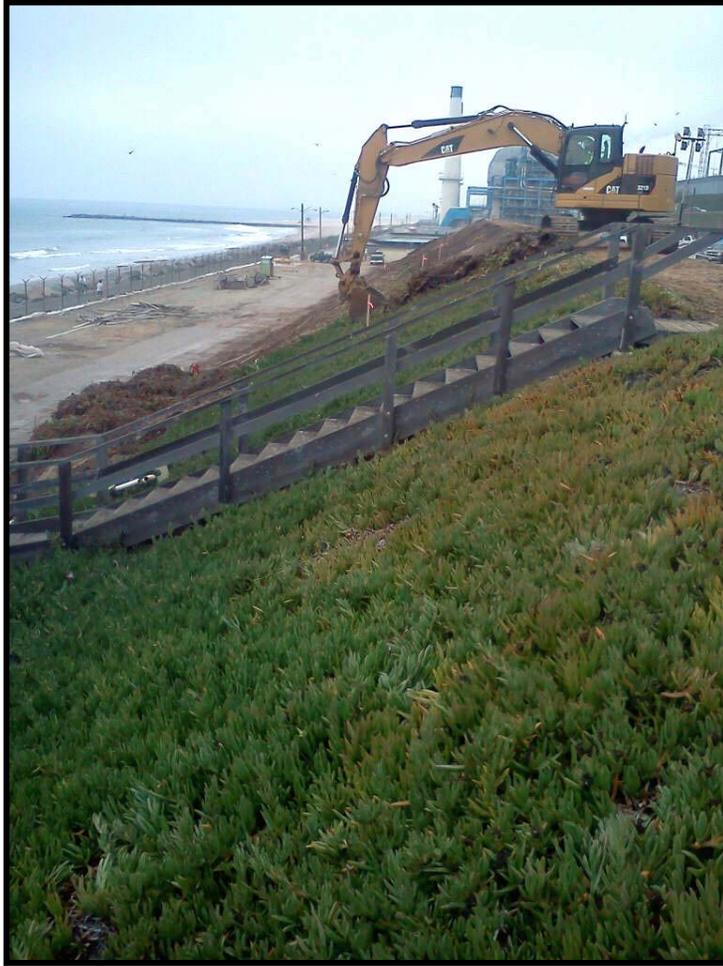
Earthwork undertaken in September was conducted by 1) Professional Mechanical, Inc. (PMI), under the direction of Mr. George Hernandez (Foreman) 2) Granite Construction under the direction of Mr. Hector Montano (Foreman), and 3) ARB Inc. under the auspices of Mr. Joe Chubbuck (Foreman). JMA's Cultural Resource Monitors (CRMs) for the month of September were John Minch, Jessica Colston, Kim Luyties, and April Shand under the supervision of Ms. Laura S. White, M.A. Cultural Resource Specialist (CRS). Mr. Sam Dunlap and Mr. Edgar Perez were the designated Native American Monitors (NAM) for the Gabrielino Tongva Nation. The Source Group, Inc. (SGI) provided geotechnical inspection. Work for the month of September was conducted under the auspices of Mr. Scott Seipel (SGI Senior Hydrogeologist) and NRG Construction Manager, Mr. David Michelsen.

## **FINDINGS AND RECOMMENDATIONS**

Despite thorough and systematic monitoring of earth disturbing activities, no prehistoric or historic finds were made during the month of September. No additional work in conjunction with cultural resources is recommended for these areas unless the ground is re-excavated below the depth to which it has already been disturbed.



**Plate I. Top:** Northerly view of PMI excavation located just east of Administration Building.  
**Bottom:** Southerly view of excavation unit at 10-feet located just north of Administration Building.



**Plate II. Top:** Looking north from the southwest quadrant of the site at Granite Construction removing iceplant from top of berm. **Bottom:** Southwesterly view of Granite Construction peeling asphalt from circulation road in the southwest quadrant of the site.



**Plate III. Top:** Southerly view of ARB personnel pot-holing in the northern third of the site.  
**Bottom:** Looking west across northern third of site at large ARB pot-hole excavation.



September 26, 2011

George L. Piantka, PE  
NRG Energy, West  
1817 Aston Avenue, Suite 104  
Carlsbad, CA 92008

**RE: NRG El Segundo Repowering Project: Cultural Resources Weekly Monitoring Report, September 19 through 23, 2011**

Dear Mr. Piantka:

Enumerated below are the highpoints of the Cultural Resources Monitoring Program for the week of September 19 through 23, 2011:

Monday, 9/19

JMA's designated cultural/paleontological monitor Jessica Colston on-site today. PMI, ARB and Granite are all actively excavating in the central, northern and southern areas of the plant. Two seashells recovered in the central portion of the site but are not cultural in origin. No finds made today.

Tuesday, 9/20

JMA's designated cultural/paleontological monitor Jessica Colston on-site today. Granite conducting landscaping activities in the southwest corner of the site. PMI trenching in the central portion of the site. One mineralized shell recovered from this area but is not cultural in origin. ARB excavating and treating contaminated soil in northwest portion of the site (old LVI area). No finds made today.

Wednesday, 9/21

JMA's designated cultural/paleontological monitor Jessica Colston on-site today. ARB, PMI and Granite continue excavation activities in the northern, central and southern portion of the plant respectively. No finds made today.

Thursday, 9/22

JMA's designated cultural/paleontological monitor April Shand on-site today. Granite removing asphalt in the south section of the plant on the western slope. Seashells recovered but not cultural in origin. PMI excavating a trench along the main entry road from entry gate. No finds made today.

Friday, 9/23

JMA's designated cultural/paleontological monitor April Shand on-site today. ARB working in old LVI area excavating contaminated soil. Granite continues to pull asphalt off slope in the southwest corner of plant. PMI continuing trenching activities as well. No finds made today.

Despite careful and thorough inspection of the excavation and all associated spoils, no prehistoric or historic finds were made during the week of 9/19-9/23, 2011.

Very truly yours,



Laura S. White, M.A.  
Cultural Resource Specialist

RSW/LSW:nrgweeklyseptember26,2011



September 19, 2011

George L. Piantka, PE  
NRG Energy, West  
1817 Aston Avenue, Suite 104  
Carlsbad, CA 92008

**RE: NRG El Segundo Repowering Project: Cultural Resources Weekly Monitoring Report, September 12 through 16, 2011**

Dear Mr. Piantka:

Enumerated below are the highpoints of the Cultural Resources Monitoring Program for the week of September 12 through 16, 2011:

Monday, 9/12

JMA's designated cultural/paleontological monitor April Shand on-site today. PMI continues to excavate trench in south section in roadway. No finds made today.

Tuesday, 9/13

JMA's designated cultural/paleontological monitor April Shand on-site today. PMI continues to excavate trench in south section in parking area. No finds made today.

Wednesday, 9/14

JMA's designated cultural/paleontological monitor April Shand on-site today. PMI continuing the excavation of the trench in the south section within parking area. No finds made today.

Thursday, 9/15

JMA's designated cultural/paleontological monitor Jessica Colston on-site today. PMI excavating trench north of administration building. Using a vacuum truck to excavate soft soils. Approximately 20 meters of trench open. Attempting to excavate to a depth of 10-feet. Soils very soft and prone to sloughing in trench. No finds made today.

Friday, 9/16

JMA's designated cultural/paleontological monitor Kim Luyties on-site today. PMI excavating trench north of administration building. Hand digging as well. No finds made today.

Despite careful and thorough inspection of the excavation and all associated spoils, no prehistoric or historic finds were made during the week of 9/12-9/16, 2011.

Very truly yours,

A handwritten signature in blue ink that reads "Laura S. White". The signature is written in a cursive style with a large initial "L".

Laura S. White, M.A.  
Cultural Resource Specialist

RSW/LSW:nrgweeklyseptember19,2011



September 12, 2011

George L. Piantka, PE  
NRG Energy, West  
1817 Aston Avenue, Suite 104  
Carlsbad, CA 92008

**RE: NRG El Segundo Repowering Project: Cultural Resources Weekly Monitoring Report, September 5 through 9, 2011**

Dear Mr. Piantka:

Enumerated below are the highpoints of the Cultural Resources Monitoring Program for the week of September 5 through 9, 2011:

Monday, 9/5

Labor Day Holiday—No work scheduled today.

Tuesday, 9/6

JMA's designated cultural/paleontological monitor April Shand on-site today. PMI continues to excavate north section of trench. Encountered contaminated soil, shut down after ½ day. No finds made today.

Wednesday, 9/7

JMA's designated cultural/paleontological monitor April Shand on-site today. PMI removing asphalt in roadway and adding shoring to trench. No finds made today.

Thursday, 9/8

JMA's designated cultural/paleontological monitor April Shand on-site today. PMI excavating trench in the south section. ARB has started a trench in the northeast corner of the north area. Shell collected from west wall but is not cultural in origin. No finds made today.

Friday, 9/9

JMA's designated cultural/paleontological monitor April Shand on-site today. PMI continues to excavate trench in the south section. ARB excavating trench in the northeast portion of the north section. No finds made today.

Despite careful and thorough inspection of the excavation and all associated spoils, no prehistoric or historic finds were made during the week of 9/5-9/9, 2011.

Very truly yours,

A handwritten signature in blue ink that reads "Laura S. White". The signature is written in a cursive style with a large initial "L".

Laura S. White, M.A.  
Cultural Resource Specialist

RSW/LSW:nrgweeklyseptember12,2011



September 5, 2011

George L. Piantka, PE  
NRG Energy, West  
1817 Aston Avenue, Suite 104  
Carlsbad, CA 92008

**RE: NRG El Segundo Repowering Project: Cultural Resources Weekly Monitoring Report, September 1 through 2, 2011**

Dear Mr. Piantka:

Enumerated below are the highpoints of the Cultural Resources Monitoring Program for the week of September 1 through 2, 2011:

Thursday, 9/1

JMA's designated cultural/paleontological monitor April Shand on-site today. PMI excavating trench in the north section to a depth of 10-feet. No finds made today.

Friday, 9/2

JMA's designated cultural/paleontological monitor April Shand on-site today. PMI continues to excavate trench in the north section. No finds made today.

Despite careful and thorough inspection of the excavation and all associated spoils, no prehistoric or historic finds were made during the week of 9/1-9/2, 2011.

Very truly yours,

A handwritten signature in blue ink that reads 'Laura S. White'.

Laura S. White, M.A.  
Cultural Resource Specialist



October 3, 2011

George L. Piantka, PE  
NRG Energy, West  
1817 Aston Avenue, Suite 104  
Carlsbad, CA 92008

**RE: NRG El Segundo Repowering Project: Cultural Resources Weekly Monitoring Report, September 26 through 30, 2011**

Dear Mr. Piantka:

Enumerated below are the highpoints of the Cultural Resources Monitoring Program for the week of September 26 through 30, 2011:

Monday, 9/26

JMA's designated cultural/paleontological monitor and PRS John Minch on-site today. Granite is removing asphalt in the southern portion of the plant. PMI is trenching in the central area of the site. Pot-holing is also taking place in the northeast corner of the plant as is additional trenching at foot of entry road by new tanks. No finds made today.

Tuesday, 9/27

JMA's designated cultural/paleontological monitor Jessica Colston on-site today. Granite, ARB and PMI continue excavating activities in the southern, northeastern and central areas of the plant respectively. No finds made today.

Wednesday, 9/28

JMA's designated cultural/paleontological monitor Jessica Colston on-site today. Granite is undertaking landscaping and other activities in the southwest portion of the plant. ARB continues to trench in the northeastern area of the site. PMI making minor adjustments to the depth of their trench in the central portion of the site. No finds made today.

Thursday, 9/29

JMA's designated cultural/paleontological monitor Jessica Colston on-site today. Granite, ARB and PMI continuing their excavating activities from yesterday. No finds made today.

Friday, 9/30

JMA's designated cultural/paleontological monitor Jessica Colston on-site today. Granite and ARB continue to excavate in the northern and southern portions of the plant, respectively. No finds made today.

Despite careful and thorough inspection of the excavation and all associated spoils, no prehistoric or historic finds were made during the week of 9/26-9/30, 2011.

Very truly yours,

A handwritten signature in blue ink that reads "Laura S. White". The signature is written in a cursive style with a large initial "L" and "W".

Laura S. White, M.A.  
Cultural Resource Specialist

RSW/LSW:nrgweeklyoctober3,2011

**Certification of Completion of Worker Environmental Awareness Program**

**EL SEGUNDO POWER REDEVELOPMENT PROJECT (00-AFC-14)**

This is to certify these individuals have completed a mandatory California Energy Commission-approved Worker Environmental Awareness Program (WEAP). The WEAP includes pertinent information on Cultural, Paleontology & Biology Resources for all personnel (i.e. construction supervisors, crews and plant operators) working on-site or at related facilities. By signing below, the participant indicates that they understand and shall abide by the guidelines set forth in the Program materials. Please include this completed form in your Monthly Compliance Report.

No.	Employee Name	Company	Signature
1.	RL SCHABEN	GRANITE	RL Schaben
2.	Iring Lizarde	Granite	Iring Lizarde
3.	Abel Garcia	GRANITE	Abel Garcia
4.	MIKE VINCENT	Granite	Mike Vincent
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Cul Trainer: Laura S. White Signature: Laura S. White Date: 9/28/11  
 Paleo Trainer: John M. Mack Signature: John M. Mack Date: 9/27/11  
 Bio Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_

**ATTACHMENT D  
PAL-4 AND PAL-5  
PALEONTOLOGICAL RESOURCES REPORT  
SEPTEMBER 2011**



**NRG EL SEGUNDO REPOWERING PROJECT: PALEONTOLOGICAL RESOURCES  
MITIGATION MONITORING REPORT FOR THE MONTH OF SEPTEMBER 2011**

**Prepared for:**

George L. Piantka, PE  
NRG Energy, West  
1817 Aston Avenue, Suite 104  
Carlsbad, CA 92008

**Prepared by:**

John Minch, Ph.D.

John Minch and Associates, Inc.  
26623 Sierra Vista  
Mission Viejo, CA 92692

Tel: (949) 367-1000  
Fax: (949) 367-0117

**Contact person:**

Edwin Minch, Principal

September 30, 2011

The undersigned certifies that the attached report is a true and accurate description of the results of a PALEONTOLOGICAL RESOURCES MONITORING program described herein.

A handwritten signature in black ink, appearing to read 'John Minch'.

John Minch, Ph.D.  
Paleontological Resource Specialist

26623 Sierra Vista  
Mission Viejo, CA 92692  
949.367.1000  
[www.jma-ca.com](http://www.jma-ca.com)



## **Summary of Paleontological Mitigation Monitoring conducted by JMA for the El Segundo Power Redevelopment Project During September 2011**

JMA monitored ground disturbing construction activities during the month of September for the El Segundo Power Redevelopment Project. Dates included twenty-one full time days, 9/1-2, 9/5-9, 9/12-16, 9/19-23 and 9/26-30 for ground disturbance activities related to trenching and concrete slab and foundation removal and slope preparation. The excavation days are included and documented in this report. One WEAP training session was conducted on September 27<sup>th</sup>.

The PRS is Dr. John A. Minch. The PRMs were: Jessica Colston, Kim Luyties, April Shand, and John Minch who monitored the construction activities during the month.

The monthly grading activities consisted of (1) removal of various material in deep foundation areas with track-hoes. (2) Utility trenching south of units 3&4 near the modular trailers with a backhoe and hand labor. (3) Trenching and pipe removal along the access road in the NE part of the site. Shoring is being used in the trenches, and (4) slope preparation, concrete utility removal and preparation of the berm west of, and at the south end of, the tank farm,

The utility trenching and work neat the tank farm involved the disturbance of soil material to a depth of up to 10 feet or more. The material encountered in the excavations varied from imported fill material to native soils represented by the Old Dune/Gage Sand. Sediments encountered included coarse to fine sand and silt. Environments of deposition represented by the sediments appear to be consistent with sediments found in fore-beach and dune environments. Scattered Mollusk specimens have been encountered and collected from the sediments during the excavations. The fauna collected represents both sandy beach and rocky shore environments suggesting a sandy beach with a nearby point, offshore rocks, or a cobble beach area.

There were no unresolved issues or concerns about the project relating to paleontologic monitoring. Paleontologic monitoring was conducted as deemed necessary by the PRS. Monitoring has determined that native sediments are found at relatively shallow depths throughout the site. Thus, monitoring was conducted during ground disturbing activities.

The PRS, Dr. John Minch, certifies that the individuals on the attached list have completed the mandatory California Energy Commission-approved Worker Environmental Awareness Program (WEAP) to date and in the month of September. The WEAP includes pertinent information on Cultural and Paleontological Resources for all personnel (i.e. construction supervisors, crews and plant operators) working on-site or at related facilities.

In signing the documents the participants indicated that they understand and would abide by the guidelines set forth in the program materials. The completed forms are attached to this Monthly Compliance Report. There were no incidents of non-compliance. There were no changes in the monitoring plan.







**Worker Environmental Awareness Program (WEAP)  
Sign-in sheets**

ESPR Project  
 Docket 00-AFC-14C

WEAT Training 10/26/09  
 Sign In

<u>Name</u>	<u>Company</u>	<u>Contact Info</u>
George Prantka	NRG	george.Prantka@nrgenergy.com 266 716 2156
Bill Jones	PMI	925-382-9013
Robert DeRosa	PMI	562.318.8458
CHRIS MOULDEN	PMI	CMOULDEN@PERFMECH.COM 925.250.8711
Tom Richey	PMI	trichey@partmech.com 925-250-8144
Bernabe Gonzalez	P.M.I	Bgonzales6@ca.rv.com 619)628-6847
John Grea	Monte Collins/PMI	dweccle@zoho.com 714-872-2926
Edwin Minch	JMA	eminch@jma-ca.com 714-501-4163
Richard Guttenberg	JMA	rguttenberg@jma-ca.com 714-501-4165
John Minch	JMA	Jminch@jma-ca.com (310) 529-3263
Roman Ayular	NRG	(949) 294-1372
PAUL NGUYEN	SHAW ENVIRONMENTAL INC.	(951) 249-3647
Frank McDowell	JMA	909-262-9351
SAM DUNLAP	P.N.A.C.R.M.	310-615-6382
JIM GURGE	NRG	(562) 597-1055
Angela Czuba	SGI	562-597-1055
Scott Seipel	SAI	William.Collins@NRGONREG.COM
William Collins	NRG	Ken.Riesz@NRGEnergy.com
KEN RIESE	NRG	(951) 249-1583
Leavie White	JMA	" "
Robert White	JMA	" "
Marc Kodis	NRG	marc.kodis@nrgenergy.com 760-525-2110

### JMA WEAP SIGN-IN SHEET

Project: <i>ESCC</i>	Training Date: <i>5/10/10</i>
Facilitator:	Place/Room:

Name	Company	Phone	Signature
DERYCK ROBERTS	SGI	(562) 597-1055	<i>Deryck Roberts</i>
<i>Eddie Daniels</i>	<i>NRG</i>		<i>Eddie Daniels</i>
Laura Zaragoza	PMI	952 383 8839	<i>Laura Zaragoza</i>
JOHN Camarena	PMI		<i>John Camarena</i>
George Hernandez	PMI	915 339 2033	<i>George Hernandez</i>
Frank McDowell	JMA	951 249 4637	<i>Frank McDowell</i>
ELIAS ZUCERO	PMI		<i>Elias Zucero</i>
DAVID MICHELSEN	NRG	716 467-0377	<i>D. Michelsen</i>



## JMA WEAP SIGN-IN SHEET

Project: 07403

Training Date: 1/18/11

Facilitator: Robert White

Place/Room: Lunch Room

Name	Company	Phone	Signature
Kelly Arnold	LVI		Kelly Arnold
STEVE STAPLETON	LVI		Steve Stapleton
RUBEN AGUILAR	LVI		Ruben Aguilera
Jesús Velazquez	LVI		Jesús Velazquez
Oraldo Orozco	LVI		Oraldo Orozco
Emanuel Gonzalez	LVI		Emanuel Gonzalez
JAY DECKER	LVI		Jay Decker
DANIEL HILL	LVI		Daniel Hill
Felix Ortega	LVI		Felix Ortega
Edwin Villalobos	LVI		EDWIN V.
JORGE CAMPA	LVI		Jorge Campa
Ivic Escamilla	LVI		Ivic Escamilla
Felipe Guzman	LVI		FG
FO. Javier Mendivil	LVI		FO. Javier M.
Luis Cisneros	LVI		Luis Cisneros
Brian Valenzuela	LVI		B.V.
LORENZO RAMIREZ	LVI		Lorenzo Ramirez
Frank Sanabria			Frank Sanabria
JESUS V Hernandez	LVI		JV Hernandez

## JMA WEAP SIGN-IN SHEET

Project: 07-103      Training Date: 1/18/11  
 Facilitator: Robert White      Place/Room: Lunch Rm

Name	Company	Phone	Signature
Jaime Lopez	LVI		<i>[Signature]</i>
Loriell Holmes	AECOM		<i>[Signature]</i>
David Fog	AECOM		<i>[Signature]</i>
Alexis Utrich	SGI		<i>[Signature]</i>
Jose Soto	LVI		<i>[Signature]</i>
Sosé M. Monter	LVI		<i>[Signature]</i>
Oscar Chaparro	LVI		<i>[Signature]</i>
David Kerecex	LVI		<i>[Signature]</i>
JOSE J. VELASQUEZ	L.V.I		<i>[Signature]</i>
Jose A. Velez	L.V.I		Jose A. Velez





**Certification of Completion of Worker Environmental Awareness Program**

**EL SEGUNDO POWER REDEVELOPMENT PROJECT (00-AFC-14)**

This is to certify these individuals have completed a mandatory California Energy Commission-approved Worker Environmental Awareness Program (WEAP). The WEAP includes pertinent information on Cultural, Paleontology & Biology Resources for all personnel (i.e. construction supervisors, crews and plant operators) working on-site or at related facilities. By signing below, the participant indicates that they understand and shall abide by the guidelines set forth in the Program materials. Please include this completed form in your Monthly Compliance Report.

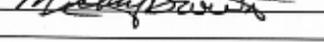
No.	Employee Name	Company	Signature
1.	RICHARD SMITH	ARB	RHSm-11
2.	Steve Hinkle	ARB	Steve Hinkle
3.	David Simanson	ARB	David Simanson
4.	AIME GONZALEZ	PMI	Aime Gonzalez
5.	LOUIE ROMAN	PMI	Louie Roman
6.	Mike Tzujillo	PMI	Mike Tzujillo
7.	Faustino Muniz	PMI	Faustino Muniz
8.	Mike Thotte	PMI	Mike Thotte
9.	MIKE SHADER	PMI	Mike Shader
10.	NICK DIUGOSB	PMI	Nick Diugosb
11.	ARUN BOSWAMI	PMI	Arun Boswami
12.	MATTHEW DELLOSANTOS	PMI	Matthew Dellosantos
13.	William Jones	PMI	William Jones
14.	Richard Bergeron	PMI	Richard Bergeron
15.	George Gorman	PMI	George Gorman
16.	JACHE CHINCHNY	PMI	Jache Chinchny
17.	ALBERT LOZA	PMI	Albert Loza
18.	DOMINGO	PMI	ESRAYZA
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Cul Trainer: Laura S. White Signature: Laura S. White Date: 5/16/11  
 Paleo Trainer: John Munch Signature: John Munch Date: 5/16/11  
 Bio Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

**Certification of Completion of Worker Environmental Awareness Program**

**EL SEGUNDO POWER REDEVELOPMENT PROJECT (00-AFC-14)**

This is to certify these individuals have completed a mandatory California Energy Commission-approved Worker Environmental Awareness Program (WEAP). The WEAP includes pertinent information on Cultural, Paleontology & Biology Resources for all personnel (i.e. construction supervisors, crews and plant operators) working on-site or at related facilities. By signing below, the participant indicates that they understand and shall abide by the guidelines set forth in the Program materials. Please include this completed form in your Monthly Compliance Report.

No.	Employee Name	Company	Signature
1.	STEVEN LUND	ARB, INC	
2.	Esteban Pina Jr.	ARB	
3.	JAMES BURNIE	ARB	
4.	Craig TARBACH	ARB (Bill's Backyard)	
5.	Kenneth Cook	ARB	
6.	MICKEL BROWN	SIEMENS	
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Cul Trainer: Laura A. White Signature: Laura A. White Date: 6/9/11  
 Paleo Trainer: John Minch Signature: John Minch Date: 6/9/11  
 Bio Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

**Certification of Completion of Worker Environmental Awareness Program**

**EL SEGUNDO POWER REDEVELOPMENT PROJECT (00-AFC-14)**

This is to certify these individuals have completed a mandatory California Energy Commission-approved Worker Environmental Awareness Program (WEAP). The WEAP includes pertinent information on Cultural, Paleontology & Biology Resources for all personnel (i.e. construction supervisors, crews and plant operators) working on-site or at related facilities. By signing below, the participant indicates that they understand and shall abide by the guidelines set forth in the Program materials. Please include this completed form in your Monthly Compliance Report.

No.	Employee Name	Company	Signature
1.	ROBERT ACOSTA	LVI	
2.	SHAWN RILEY	LVI	
3.	DAVE SIMON	ABE-CUM	
4.	MARIO GARCIA	LVI	
5.	HERIBERTO PERAZA	LVI	
6.	JOHN PALUMBO	LVI	
7.	JORGE HERNOANDEZ	LVI	
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Cul Trainer: Laura S. White Signature: Date: 6/29/11  
 Paleo Trainer: John Mich Signature: Date: 6/29/11  
 Bio Trainer: \_\_\_\_\_ Signature: Laura S. White Date: 6/29/11

**Certification of Completion of Worker Environmental Awareness Program**

**EL SEGUNDO POWER REDEVELOPMENT PROJECT (00-AFC-14)**

This is to certify these individuals have completed a mandatory California Energy Commission-approved Worker Environmental Awareness Program (WEAP). The WEAP includes pertinent information on Cultural, Paleontology & Biology Resources for all personnel (i.e. construction supervisors, crews and plant operators) working on-site or at related facilities. By signing below, the participant indicates that they understand and shall abide by the guidelines set forth in the Program materials. Please include this completed form in your Monthly Compliance Report.

No.	Employee Name	Company	Signature
1.	William Robinson	Granite	<i>William Robinson</i>
2.	Juan Garcia	GRANITE	<i>Juan Garcia</i>
3.	Scott McArthur	GRANITE	<i>Scott McArthur</i>
4.	Thomas Gail	Granite	<i>Thomas Gail</i>
5.	Donald J. Lopez	Granite	<i>Donald J. Lopez</i>
6.	Billy C. De Va	Granite	<i>Billy C. De Va</i>
7.	Hektor Montano	"	<i>Hektor Montano</i>
8.	John McGee	Granite	<i>John McGee</i>
9.	Matthew Joseph	Granite	<i>Matthew Joseph</i>
10.	Rebekka Knierim	JMA	<i>Rebekka Knierim</i>
11.	Jessica Colston	JMA	<i>Jessica Colston</i>
12.			
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Cul Trainer: Laure White Signature: *Laure S. White* Date: 7/21/11  
 Paleo Trainer: John Minch Signature: *John Minch* Date: 7/21/11  
 Bio Trainer: Laure S. White Signature: \_\_\_\_\_ Date:    /   /

**Certification of Completion of Worker Environmental Awareness Program**

**EL SEGUNDO POWER REDEVELOPMENT PROJECT (00-AFC-14)**

This is to certify these individuals have completed a mandatory California Energy Commission-approved Worker Environmental Awareness Program (WEAP). The WEAP includes pertinent information on Cultural, Paleontology & Biology Resources for all personnel (i.e. construction supervisors, crews and plant operators) working on-site or at related facilities. By signing below, the participant indicates that they understand and shall abide by the guidelines set forth in the Program materials. Please include this completed form in your Monthly Compliance Report.

No.	Employee Name	Company	Signature
1.	SKYE MORNINGSTAR	GRANITE	<i>[Signature]</i>
2.	SALVANA SANCHEZ	GRANITE	<i>[Signature]</i>
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Cul Trainer: Laura S. White Signature: Diana A. White Date: 8/1/11  
 Paleo Trainer: [Signature] Signature: John March Date: 8/1/11  
 Bio Trainer: [Signature] Signature: \_\_\_\_\_ Date:    /   /

**Certification of Completion of Worker Environmental Awareness Program**

**EL SEGUNDO POWER REDEVELOPMENT PROJECT (00-AFC-14)**

This is to certify these individuals have completed a mandatory California Energy Commission-approved Worker Environmental Awareness Program (WEAP). The WEAP includes pertinent information on Cultural, Paleontology & Biology Resources for all personnel (i.e. construction supervisors, crews and plant operators) working on-site or at related facilities. By signing below, the participant indicates that they understand and shall abide by the guidelines set forth in the Program materials. Please include this completed form in your Monthly Compliance Report.

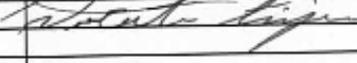
No.	Employee Name	Company	Signature
1.	CARLOS SUZMAN.	P M I	<i>[Signature]</i>
2.	JESSE HERNANDEZ	P M I	<i>[Signature]</i>
3.	Rafael Dominguez	P M I	<i>[Signature]</i>
4.	Wesley Pankovics	ARB	<i>[Signature]</i>
5.	German Carrillo Sr	ARB	<i>[Signature]</i>
6.	German Carrillo Jr	ARB	<i>[Signature]</i>
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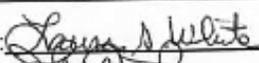
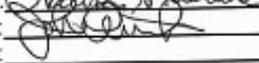
Cul Trainer: Laura S. White Signature: *[Signature]* Date: 8/15/11  
 PaleoTrainer: John Minch Signature: *[Signature]* Date: 8/15/11  
 Bio Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date:   /  /

**Certification of Completion of Worker Environmental Awareness Program**

**EL SEGUNDO POWER REDEVELOPMENT PROJECT (00-AFC-14)**

This is to certify these individuals have completed a mandatory California Energy Commission-approved Worker Environmental Awareness Program (WEAP). The WEAP includes pertinent information on Cultural, Paleontology & Biology Resources for all personnel (i.e. construction supervisors, crews and plant operators) working on-site or at related facilities. By signing below, the participant indicates that they understand and shall abide by the guidelines set forth in the Program materials. Please include this completed form in your Monthly Compliance Report.

No.	Employee Name	Company	Signature
1.	Sean Moyna	ARB	
2.	Vicente Tinajero	ARB	
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Cul Trainer: Laura S. White Signature:  Date: 8/26/11  
 PaleoTrainer: John Minch Signature:  Date:    /   /     
 Bio Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date:    /   /

**Certification of Completion of Worker Environmental Awareness Program**

**EL SEGUNDO POWER REDEVELOPMENT PROJECT (00-AFC-14)**

This is to certify these individuals have completed a mandatory California Energy Commission-approved Worker Environmental Awareness Program (WEAP). The WEAP includes pertinent information on Cultural, Paleontology & Biology Resources for all personnel (i.e. construction supervisors, crews and plant operators) working on-site or at related facilities. By signing below, the participant indicates that they understand and shall abide by the guidelines set forth in the Program materials. Please include this completed form in your Monthly Compliance Report.

No.	Employee Name	Company	Signature
1.	RL SCHABER	GRANITE	<i>RL Schaber</i>
2.	Tyring Lizarde	Granite	<i>Tyring Lizarde</i>
3.	Abel Garcia	GRANITE	<i>Abel Garcia</i>
4.	MIKE VINCENT	Granite	<i>Mike Vincent</i>
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Cul Trainer: *Laura S. White* Signature: *Laura S. White* Date: 9/22/11  
 Paleo Trainer: *John Mich* Signature: *John Mich* Date: 9/22/11  
 Bio Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: 1/1

**ATTACHMENT E  
COMPLIANCE-6  
NOTIFICATIONS AND PERMITS  
SEPTEMBER 2011**



## SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT SVE Operation (R203) or Rule 1166 NOTIFICATION FORM

Use this form to notify of operation of a Soil Vapor Extraction unit (SVE); or prior to Excavating, Handling, Monitoring, Treating known or suspect Volatile Organic Compounds (VOC) contaminated soil per R1166. See instructions on the back of this form. For questions check our website at [www.aqmd.gov](http://www.aqmd.gov) or call the Hotline at (909) 396-2326. FAX this form to 909-396-3342 and within 48 hours of the fax, MAIL the original form and fee to:

SCAQMD - 1166/203 Notifications, File # 55641, Los Angeles, CA 90074-5641

310-615-6062

This form will be faxed back to you with a REFERENCE number if you provide a FAXBACK # here:

AQMD USE ONLY RECEIVED BY		POSTMARK		REFERENCE # <b>282435</b>	
COMPLETED BY <b>Jade Katsuda</b>		Company <b>AECOM</b>		Phone # <b>(714) 689-7267</b>	
Date <b>9/20/11</b>	Check #	Amount <b>\$53.80</b>	Project # <b>60188888</b>		
NOTIFICATION TYPE (check one only)	Original (initial) <input type="checkbox"/>	Revision (prior reference #) <input checked="" type="checkbox"/> <b>282435</b>	Cancellation (prior reference #)		
PROJECT TYPE (check one only)	<sup>1</sup> Soil Vapor Extraction (SVE) <input type="checkbox"/>	<sup>2</sup> R1166 Treating Contaminated Soil <input type="checkbox"/>	<sup>2</sup> R1166 Excavation of VOC Soil/Tank <input type="checkbox"/>	<sup>2</sup> R1166 Reporting > 50 ppm VOC Soil <input checked="" type="checkbox"/>	<sup>2</sup> R1166 Reporting > 1000 ppm VOC Soil <input type="checkbox"/>
<sup>1</sup> SVE Permit issued to (name):			<sup>1</sup> SVE Permit Number:		
<sup>1</sup> SVE Distance to nearest sensitive receptor in feet (see your permit condition requirements):					
<sup>2</sup> R1166 Mitigation Plan issued to (name): <b>AECOM Technology Corp</b>			<sup>2</sup> R1166 Plan Number: <b>518793</b>		
<sup>2</sup> R1166 - Date & time of VOC > 50 or 1000 ppm exceedance: <b>9/20/11 8:50 AM</b> Highest VOC reading in ppm: <b>280 ppm</b>					
PROJECT DATES	START <b>8/10/11</b>	END <b>7/14/12</b>	WORK SHIFT	day <input checked="" type="checkbox"/>	swing <input type="checkbox"/> night <input type="checkbox"/>
SITE CONTRACTOR INFORMATION		AQMD ID # <b>18911</b>	CSLB License #	Phone # <b>(818) 339-2633</b>	
Name	<b>Performance Mechanical, Inc.</b>		Address	<b>701 Willow Pass RD</b>	
City	<b>Pittsburg</b>	Zip <b>94565</b>	Site supy name & phone #	<b>George Hernando (818) 339-2633</b>	
SITE INFORMATION		Site Name <b>El Segundo Power, LLC</b>	Site AQMD ID #	<b>115863</b>	
Site Address		<b>301 Vista Del Mar BLVD</b>		Cross Street	<b>45th ST</b>
Site City	<b>El Segundo</b>	Zip <b>90245</b>	Site contact name & phone #	<b>George Piankta (780) 710-2158</b>	
TANK INFORMATION	# OF TANKS	EACH	CAPACITY (gal)	MATERIAL STORED IN TANK	ABOVE GROUND? (Y/N)
<i>Example</i>	<i>3 tanks</i>	<i>10,000</i>	<i>Gasoline</i>	<i>no</i>	
INFORMATION CERTIFICATION I certify that the above information is complete and accurate					
Company Name	<b>AECOM</b>	Print Name	<b>Jade Katsuda</b>	Signature	Date <b>9/20/11</b>
COMMENTS <b>Original Reference # 282414, Prior Reference # 282435</b>					



**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**  
**SVE Operation (R203) or Rule 1166 NOTIFICATION FORM**

**FAXED**  
 SEP 21 2011

Use this form to notify of operation of a Soil Vapor Extraction unit (SVE); or prior to Excavating, Handling, Monitoring, Treating known or suspect Volatile Organic Compounds (VOC) contaminated soil per R1166. See instructions on the back of this form. For questions check our website at [www.aqmd.gov](http://www.aqmd.gov) or call the Hotline at (909) 396-2326. FAX this form to 909-396-3342 and within 48 hours of the fax, MAIL the original form and fee to: SCAQMD - 1166/203 Notifications, File # 55641, Los Angeles, CA 90074-5641  
 This form will be faxed back to you with a REFERENCE number if you provide a FAXBACK # here: 310-615-6082

AQMD USE ONLY		RECEIVED BY	POSTMARK	REFERENCE #	286332	
COMPLETED BY	Jade Katsuda	Company	AECOM	Phone #	(714) 688-7267	
Date	9/20/11	Check #	Amount	\$53.80	Project #	60188888
NOTIFICATION TYPE (check one only)	Original (initial)	Revision (prior reference #)	282438	Cancellation (prior reference #)		
PROJECT TYPE (check one only)	<sup>1</sup> Soil Vapor Extraction (SVE)	<sup>2</sup> R1166 Treating Contaminated Soil	<sup>2</sup> R1166 Excavation of VOC Soil/Tank	<sup>2</sup> R1166 Reporting > 50 ppm VOC Soil	<sup>2</sup> R1166 Reporting > 1000 ppm VOC Soil	
<sup>1</sup> SVE Permit issued to (name):			<sup>1</sup> SVE Permit Number:			
<sup>1</sup> SVE Distance to nearest sensitive receptor in feet (see your permit condition requirements):						
<sup>2</sup> R1166 Mitigation Plan issued to (name):			AECOM Technology Corp	<sup>2</sup> R1166 Plan Number: 518793		
<sup>2</sup> R1166 Date & time of VOC > 50 or 1000 ppm exceedance:			9/20/11 8:1345	Highest VOC reading in ppm: 650.21		
PROJECT DATES	START	8/10/11	END	7/14/12	WORK SHIFT day <input checked="" type="checkbox"/> swing <input type="checkbox"/> night <input type="checkbox"/>	
SITE CONTRACTOR INFORMATION		AQMD ID #	129210	CSLB License #	Phone # (949) 454-7190	
Name	ARB, Inc.	Address	26000 Commencement DR			
City	Lake Forest	Zip	90245	Site supv name & phone #	David Simonson (760) 275-0432	
SITE INFORMATION		Site Name	El Segundo Power, LLC	Site AQMD ID #	115883	
Site Address	301 Vista Del Mar BLVD		Cross Street	45th ST		
Site City	El Segundo	Zip	90245	Site contact name & phone #	George Plankta (760) 710-2156	
TANK INFORMATION	# OF TANKS	EACH	CAPACITY (gal)	MATERIAL STORED IN TANK	ABOVE GROUND? (Y/N)	
Example	3 tanks		10,000	Gasoline	no	
INFORMATION CERTIFICATION I certify that the above information is complete and accurate						
Company Name	AECOM	Print Name	Jade Katsuda	Signature	Date 9/20/11	
COMMENTS Original Reference # 282415, Prior Reference # 282438						

**ATTACHMENT F  
WATER QUALITY-8  
STORM WATER POLLUTION PREVENTION PLAN INSPECTIONS  
SEPTEMBER 2011**



Have any discharges occurred since the last inspection?  Yes  No  
 If yes, describe:

Were there any discharges at the time of inspection?  Yes  No  
 If yes, describe:

**Correction Items Identified in Previous Inspection**

BMP No.	BMP	Location	Correction Measure	Issue Resolved
SE-7	Street Sweeping	Trailer and soil stockpile area at tank farm.	Sweep soil off pavement. Correction item completed. Continue sweeping in this area. See photograph 1.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SE-6	Gravel bags	Construction trailer parking lot.	Remove and replace broken gravel bags. Remove loose gravel. Correction item completed. See photograph 2. However, new broken gravel bags were observed. Remove and replace new broken gravel bags. Remove loose gravel. See photograph 3.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SE-8	Sandbag barrier	Tank farm access road.	Replace and remove broken sandbags. Remove loose sand. Correction item completed. See photograph 4. However, new broken sandbags were observed at this location. Remove and replace new broken sandbags. Remove loose sand. See photograph 5.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SE-8	Sandbag barrier	Bottom of plant access road.	Replace and remove broken sandbags. Remove loose sand. Correction item completed. See photograph 6. However, new broken sandbags were observed at this location. Remove and replace new broken sandbags. Remove loose sand. See photograph 7.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
TC-1	Stabilized construction entrance	Southeast corner of power block construction area	Move rumble strip to top of grade, near asphalt pavement. Implement traffic controls to ensure vehicles entering/exiting construction area use rumble strip. Correction item completed. See photograph 8.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
WM-3	Stockpile management	Stockpile at tank farm	Secure stockpile cover. Correction item completed. See photograph 9.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
WM-5	Solid waste management	Near west fence at bottom of tank farm access road.	Remove broken sandbags and debris. Correction item completed. See photograph 10.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

WM-9	Sanitary/septic waste management	Northeast of catch basin 12.	Porta-potty too close to active catch basin. Porta potty was removed from area. Correction item completed. See photograph 11.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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**Observation of Project Specific BMPs**

BMP No.	BMP	BMP Maintenance Required?	Location (See Note)	Corrective Action Needed and Notes (Include photos, if any)
EC-1	Scheduling	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
EC-2	Preservation of Existing Vegetation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
EC-7	Geotextiles and Mats	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
NS-1	Water Conservation Practices	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
NS-3	Pave/Grinding Operations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
NS-6	Illicit Connection / Discharge	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
NS-8	Vehicle and Equipment Cleaning	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
NS-9	Vehicle and Equipment Fuel	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
NS-10	Vehicle and Equipment Maintenance	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
SE-4	Check Dam	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
SE-5	Fiber Rolls	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
SE-6	Gravel Bags	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1. Construction trailer parking lot.	1. Remove and replace broken gravel bags. Remove loose gravel. Correction item completed. See photograph 2. However, new broken gravel bags were observed. Remove and replace new broken gravel bags. Remove loose gravel. See photograph 3.
SE-7	Street Sweeping	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

BMP No.	BMP	BMP Maintenance Required?	Location (See Note)	Corrective Action Needed and Notes (Include photos, if any)
SE-8	Sandbag Barrier	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1. Tank farm access road. 2. Bottom of plant access road. 3. South access road near 45 <sup>th</sup> Street gate.	1. Replace and remove broken sandbags. Remove loose sand. Correction item completed. See photograph 4. However, new broken sandbags were observed at this location. Remove and replace new broken sandbags. Remove loose sand. See photograph 5. 2. Replace and remove broken sandbags. Remove loose sand. Correction item completed. See photograph 6. However, new broken sandbags were observed at this location. Remove and replace new broken sandbags. Remove loose sand. See photograph 7. 3. Replace and remove broken sandbags. Remove loose sand. See photograph 12.
SE-10	Storm Drain Inlet Protection	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WE-1	Wind Erosion Control	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
TC-1	Stabilized Construction Entrance	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WM-1	Material Storage	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WM-3	Stockpile Management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WM-4	Spill Prevention and Control	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WM-5	Solid Waste Management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WM-6	Hazardous Waste Management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WM-7	Contaminated Soil Management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

BMP No.	BMP	BMP Maintenance Required?	Location (See Note)	Corrective Action Needed and Notes (Include photos, if any)
WM-8	Concrete Waste Management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WM-9	Sanitary/Septic Waste Management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WM-10	Liquid Waste Management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

Note: Location only required when BMP maintenance is indicated.

**BMP Status**

Are there additional BMPs needed not currently included in SWPPP?  Yes  No

If yes Provide BMP, Location descriptions, and additional correction items:

**Inspector Certification:**

Print name and title: Marcus Millett, PE, QSD/QSP

Signature:



Date: 09-27-11

## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 1

**Location:** Trailer and soil stockpile area at tank farm.

**Description:**  
Sweep soil off pavement.  
Correction item completed.  
Continue sweeping in this area.



Stormwater Construction Site Photo Log

PHOTOGRAPHS  
NOS. 2 AND 3

**Location:**  
Construction trailer  
parking lot.

**Description:**  
Remove and replace  
broken gravel bags.  
Remove loose  
gravel. Correction  
item completed. See  
photograph 2.  
However, new  
broken gravel bags  
were observed.  
Remove and replace  
new broken gravel  
bags. Remove loose  
gravel. See  
photograph 3.



Stormwater Construction Site Photo Log

PHOTOGRAPHS  
NOS. 4 AND 5

**Location:** Tank farm access road.

**Description:**  
Replace and remove broken sandbags. Remove loose sand. Correction item completed. See photograph 4. However, new broken sandbags were observed at this location. Remove and replace new broken sandbags. Remove loose sand. See photograph 5.



Stormwater Construction Site Photo Log

PHOTOGRAPHS  
NOS. 6 AND 7

**Location:** Bottom of plant access road.

**Description:**  
Replace and remove broken sandbags.  
Remove loose sand.  
Correction item completed. See photograph 6.  
However, new broken sandbags were observed at this location. Remove and replace new broken sandbags.  
Remove loose sand. See photograph 7.



## Stormwater Construction Site Photo Log

**PHOTOGRAPH  
NO. 8**

**Location:**  
Southeast corner of  
power block  
construction area.

**Description:** Move  
rumble strip to top  
of grade, near  
asphalt pavement.  
Implement traffic  
controls to ensure  
vehicles  
entering/exiting  
construction area  
use rumble strip.  
Correction item  
completed.



Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 9

---

**Location:**  
Stockpile at tank  
farm.

**Description:**  
Secure stockpile  
cover. Correction  
item completed.



## Stormwater Construction Site Photo Log

**PHOTOGRAPH  
NO. 10**

**Location:** Near west fence at bottom of tank farm access road.

**Description:** Remove broken sandbags and debris. Correction item completed.



## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 11

**Location:**  
Northeast of catch  
basin 12.

**Description:**  
Porta-potty too  
close to active  
catch basin. Porta  
potty was removed  
from area.  
Correction item  
completed. See  
photograph 11.



## Stormwater Construction Site Photo Log

**PHOTOGRAPH  
NO. 12**

**Location:** South  
access road near  
45<sup>th</sup> Street gate.

**Description:**  
Replace and  
remove broken  
sandbags. Remove  
loose sand. See  
photograph 12.





Have any discharges occurred since the last inspection?  Yes  No  
 If yes, describe:

Were there any discharges at the time of inspection?  Yes  No  
 If yes, describe:

**Correction Items Identified in Previous Inspection**

BMP No.	BMP	Location	Correction Measure	Issue Resolved
SE-6	Gravel Bags	F24, southwest corner storm drain.	Replace broken gravel bags. Remove broken gravel bags, accumulated sediment, and loose gravel. Correction item not completed. See photograph 1.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
SE-8	Sandbag Barrier	E17, tank farm access road.	Replace broken sandbags. Remove broken sandbags and loose sand. Correction item not completed. See photograph 2.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
SE-8	Sandbag Barrier	C24, south side road.	Replace broken sandbags. Remove broken sandbags and loose sand. Correction item not completed. See photograph 3.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
SE-6	Gravel Bags	F12, west beach gate.	Replace broken gravel bags. Remove broken gravel bags and loose gravel. Correction item not completed. See photograph 4.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**Observation of Project Specific BMPs**

BMP No.	BMP	BMP Maintenance Required?	Location (See Note)	Corrective Action Needed and Notes (Include photos, if any)
EC-1	Scheduling	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
EC-2	Preservation of Existing Vegetation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
NS-1	Water Conservation Practices	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
NS-3	Pave/Grinding Operations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
NS-6	Illicit Connection / Discharge	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
NS-8	Vehicle and Equipment Cleaning	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
NS-9	Vehicle and Equipment Fuel	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
NS-10	Vehicle and Equipment Maintenance	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
SE-4	Check Dam	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
SE-5	Fiber Rolls	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
SE-6	Gravel Bags	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<ol style="list-style-type: none"> <li>F24, southwest corner storm drain.</li> <li>F12, west beach gate.</li> </ol>	<ol style="list-style-type: none"> <li>Replace broken gravel bags. Remove broken gravel bags, accumulated sediment, and loose gravel. Correction item not completed. See photograph 1.</li> <li>Replace broken gravel bags. Remove broken gravel bags and loose gravel. Correction item not completed. See photograph 4.</li> </ol>

BMP No.	BMP	BMP Maintenance Required?	Location (See Note)	Corrective Action Needed and Notes (Include photos, if any)
SE-7	Street Sweeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1. Trailer and soil stockpile area at tank farm.	1. Sweep soil off pavement. See photograph 7.
SE-8	Sandbag Barrier	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1. E17, tank farm access road. 2. C24, south side road. 3. South of power block construction area. 4. Bottom of plant access road	1. Replace broken sandbags. Remove broken sandbags and loose sand. Correction item not completed. See photograph 2. 2. Replace broken sandbags. Remove broken sandbags and loose sand. Correction item not completed. See photograph 3. 3. Replace broken sandbags at small soil stockpile. Remove broken sandbags and loose sand. See photograph 6. 4. Replace broken sandbags. Remove broken sandbags and loose sand. See photograph 8.
SE-10	Storm Drain Inlet Protection	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WE-1	Wind Erosion Control	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
TC-1	Stabilized Construction Entrance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1. Southeast corner of power block construction area.	1. Install rumble strip. See photograph 5.
WM-1	Material Storage	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WM-3	Stockpile Management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WM-4	Spill Prevention and Control	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WM-5	Solid Waste Management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WM-6	Hazardous Waste Management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

BMP No.	BMP	BMP Maintenance Required?	Location (See Note)	Corrective Action Needed and Notes (Include photos, if any)
WM-7	Contaminated Soil Management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WM-8	Concrete Waste Management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WM-9	Sanitary/Septic Waste Management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WM-10	Liquid Waste Management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

Note: Location only required when BMP maintenance is indicated.

**BMP Status**

Are there additional BMPs needed not currently included in SWPPP?  Yes  No

If yes Provide BMP, Location descriptions, and additional correction items:

Inspector Certification:

Print name and title: Marcus Millett, PE, QSD/QSP

Signature:



Date: 09-13-11

## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 1

**Location:** F24,  
southwest corner  
storm drain.

**Description:**  
Replace broken  
gravel bags.  
Remove broken  
gravel bags,  
accumulated  
sediment, and loose  
gravel. Correction  
item not completed.



## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 2

**Location:** E17, tank farm access road.

**Description:**  
Replace broken sandbags. Remove broken sandbags and loose sand. Correction item not completed.



## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 3

**Location:** C24,  
south side road.

**Description:**  
Replace broken  
sandbags. Remove  
broken sandbags  
and loose sand.  
Correction item not  
completed.



## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 4

**Location:** F12,  
west beach gate.

**Description:**  
Replace broken  
gravel bags.  
Remove broken  
gravel bags and  
loose gravel.  
Correction item not  
completed.



Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 5

**Location:**  
Southeast corner of  
power block  
construction area.

**Description:**  
Install rumble strip.



## Stormwater Construction Site Photo Log

**PHOTOGRAPH  
NO. 6**

**Location:** South of  
power block  
construction area.

**Description:**  
Replace broken  
sandbags at small  
soil stockpile.  
Remove broken  
sandbags and  
loose sand.



Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 7

**Location:** Trailer and soil stockpile area at tank farm.

**Description:** Sweep soil off pavement.



## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 8

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**Location:** Bottom  
of plant access  
road

**Description:**  
Replace broken  
sandbags. Remove  
broken sandbags  
and loose sand.



*Storm Water Construction Site Inspection Report*

**General Information**

<b>Client</b>	NRG				
<b>Project Name</b>	El Segundo Power Plant				
<b>WDID No.</b>	4 19C345097	<b>Location</b>	Power Plant Site on Vista Del Mar		
<b>Date of Inspection</b>	09-06-11	<b>Arrival Time</b>	8:30 AM	<b>Departure Time</b>	10:20 AM

**Project Contacts**

	<b>Name and Company</b>	<b>Cell Phone</b>	<b>E-Mail</b>	<b>Certification</b>
<b>Inspector(s)</b>	Marcus Millett AECOM	(562) 673-9909	<a href="mailto:marcus.millett@aecom.com">marcus.millett@aecom.com</a>	PE, QSD/QSP
<b>Inspector(s)</b>	Roman Aguilar	(310) 615-6323	<a href="mailto:roman.aguilar@nrgenergy.com">roman.aguilar@nrgenergy.com</a>	
<b>Client Contact/ Representative</b>	George L. Piantka	(760) 707-6833	<a href="mailto:george.piantka@nrgenergy.com">george.piantka@nrgenergy.com</a>	PE

**Type of Inspection:**  
 Regular     Pre-storm event     During storm event     Post-storm event

**SWPPP Status**

**Does the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?**  Yes     No  
**If no, describe:**  
**Amendments Needed?**  Yes     No  
**Training Records Present/Up to Date:**  Yes     No  
**Inspection Records Present/Up to Date:**  Yes     No

**Weather Information**

**Has there been a storm event since the last inspection?**  Yes     No  
**If yes, provide:**  
 Storm Start Date & Time:    Storm Duration (hrs):    Approximate Amount of Precipitation (in):

**Weather at time of inspection**  
 Clear     Cloudy     Rain     Sleet     Fog     Snowing     Winds from West at 10mph  
 Other:    Temperature: 68 degrees F.

**Is a qualifying rain event (0.5" rain; 48 hours or more between events) predicted?**  Yes     No

**Summarize forecast:**  
 Sunny with high temperatures steady near 83 degrees F. Winds from West at 0 to 15 mph.

Have any discharges occurred since the last inspection?  Yes  No  
 If yes, describe:

Were there any discharges at the time of inspection?  Yes  No  
 If yes, describe:

**Correction Items Identified in Previous Inspection**

BMP No.	BMP	Location	Correction Measure	Issue Resolved
SE-6	Gravel Bags	C24, slope adjacent to south access road.	Place 10-linear feet of gravel bags on most downhill portion of asphalt curb adjacent to disturbed area. See photograph 1.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SE-6	Gravel Bags	F24, southwest corner storm drain.	Replace broken gravel bags . Remove accumulated sediment. Correction item not completed. See photograph 2.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
SE-8	Sandbag Barrier	E17, tank farm access road.	Replace broken sand bags. Correction items not completed. See photograph 3.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
SE-8	Sandbag Barrier	C24, south side road.	Replace broken sand bags. Correction item not completed. See photograph 4.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**Observation of Project Specific BMPs**

BMP No.	BMP	BMP Maintenance Required?	Location (See Note)	Corrective Action Needed and Notes (Include photos, if any)
EC-1	Scheduling	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
EC-2	Preservation of Existing Vegetation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
NS-1	Water Conservation Practices	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
NS-3	Pave/Grinding Operations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
NS-6	Illicit Connection / Discharge	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
NS-8	Vehicle and Equipment Cleaning	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
NS-9	Vehicle and Equipment Fuel	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
NS-10	Vehicle and Equipment Maintenance	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
SE-4	Check Dam	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
SE-5	Fiber Rolls	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
SE-6	Gravel Bags	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1. F24, southwest corner storm drain. 2. F12, west beach gate.	1. Replace broken gravel bags . Remove accumulated sediment. See photograph 2. 2. Replace broken sand bags. See photograph 5.
SE-7	Street Sweeping	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

BMP No.	BMP	BMP Maintenance Required?	Location (See Note)	Corrective Action Needed and Notes (Include photos, if any)
SE-8	Sandbag Barrier	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1. E17, tank farm access road. 2. C24, south side road.	1. Replace broken sand bags. See photograph 3. 2. Replace broken sand bags. See photograph 4.
SE-10	Storm Drain Inlet Protection	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WE-1	Wind Erosion Control	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WM-1	Material Storage	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WM-3	Stockpile Management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WM-4	Spill Prevention and Control	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WM-5	Solid Waste Management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WM-6	Hazardous Waste Management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WM-7	Contaminated Soil Management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WM-8	Concrete Waste Management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WM-9	Sanitary/Septic Waste Management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WM-10	Liquid Waste Management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

Note: Location only required when BMP maintenance is indicated.

**BMP Status**

Are there additional BMPs needed not currently included in SWPPP?  Yes  No

If yes Provide BMP, Location descriptions, and additional correction items:

Inspector Certification:

Print name and title: Marcus Millett, PE, QSD/QSP

Signature:



Date: 09-13-11

## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 1

**Location:** C24,  
slope adjacent to  
south access road.

**Description:** Placed  
10-linear feet of  
gravel bags on most  
downhill portion of  
asphalt curb  
adjacent to  
disturbed area.



## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 2

**Location:** F24,  
southwest corner  
storm drain.

**Description:**  
Replace broken  
gravel bags. Remove  
accumulated  
sediment. Correction  
item not completed.



## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 3

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**Location:** E17,  
tank farm access  
road.

**Description:**  
Replace broken  
sand bags.  
Correction item not  
completed.



## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 4

**Location:** C24,  
south side road.

**Description:**  
Replace broken  
sand bags.  
Correction item not  
completed.



Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 5

**Location:** F12,  
west beach gate.

**Description:**  
Replace broken  
gravel bags.





Have any discharges occurred since the last inspection?  Yes  No  
 If yes, describe:

Were there any discharges at the time of inspection?  Yes  No  
 If yes, describe:

**Correction Items Identified in Previous Inspection**

BMP No.	BMP	Location	Correction Measure	Issue Resolved
SE-6	Gravel Bags	Southwest corner storm drain.	Replace and remove broken gravel bags. Remove accumulated sediment and loose gravel. Correction item completed. See photograph 1.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SE-8	Sandbag Barrier	Tank farm access road.	Replace and remove broken sandbags. Remove loose sand. Correction item completed. However, new broken sandbags were observed in this location. See photographs 2 and 3.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SE-8	Sandbag Barrier	South side road.	Replace and remove broken sandbags. Remove loose sand. Correction item completed. See photograph 4.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SE-6	Gravel Bags	West beach gate.	Replace and remove broken gravel bags. Remove loose gravel. Correction item completed. See photograph 5.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SE-8	Sandbag Barrier	Bottom of plant access road	Replace and remove broken sandbags. Remove loose sand. Correction item completed. However, new broken sandbags were observed at this location. See photograph 6.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
TC-1	Stabilized construction entrance	Southeast corner of power block construction area	Install rumble strip. Correction item completed. See photograph 7.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SE-8	Sandbag Barrier	South of power block construction area	Replace broken sandbags at small soil stockpile. Stockpile removed from site. Correction item completed. See photograph 8.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SE-7	Street Sweeping	Trailer and soil stockpile area at tank farm	Sweep soil off pavement. Correction item not completed. See photograph 9.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**Observation of Project Specific BMPs**

BMP No.	BMP	BMP Maintenance Required?	Location (See Note)	Corrective Action Needed and Notes (Include photos, if any)
EC-1	Scheduling	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
EC-2	Preservation of Existing Vegetation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
EC-7	Geotextiles and Mats	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1. Slope behind above ground tank construction area, southeast of power plant.	1. Install jute netting on slope. See photograph 10.
NS-1	Water Conservation Practices	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
NS-3	Pave/Grinding Operations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
NS-6	Illicit Connection / Discharge	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
NS-8	Vehicle and Equipment Cleaning	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
NS-9	Vehicle and Equipment Fuel	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
NS-10	Vehicle and Equipment Maintenance	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
SE-4	Check Dam	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
SE-5	Fiber Rolls	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1. Slope behind above ground tank construction area, southeast of power plant.	1. Install fiber rolls on slope. See photograph 10.

BMP No.	BMP	BMP Maintenance Required?	Location (See Note)	Corrective Action Needed and Notes (Include photos, if any)
SE-6	Gravel Bags	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1. Construction trailer parking lot	1. Remove and replace broken gravel bags. Remove loose gravel. See photograph 13.
SE-7	Street Sweeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1. Trailer and soil stockpile area at tank farm.	1. Sweep soil off pavement. Correction item not completed. See photograph 9.
SE-8	Sandbag Barrier	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1. E17, tank farm access road. 2. Bottom of plant access road.	1. Replace and remove broken sandbags. Remove loose sand. See photograph 3. 2. Replace and remove broken sandbags. Remove loose sand. Correction item completed. However, new broken sandbags were observed at this location. See photograph 6.
SE-10	Storm Drain Inlet Protection	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WE-1	Wind Erosion Control	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
TC-1	Stabilized Construction Entrance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1. Southeast corner of power block construction area.	1. Move rumble strip to top of grade, near asphalt pavement. Implement traffic controls to ensure vehicles entering/leaving construction area use rumble strip. See photograph 7.
WM-1	Material Storage	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WM-3	Stockpile Management	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1. Stockpile at tank farm	1. Secure stockpile cover. See photograph 12.
WM-4	Spill Prevention and Control	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WM-5	Solid Waste Management	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1. Near west fence at bottom of tank farm access road.	1. Remove broken sandbags and debris. See photograph 14.
WM-6	Hazardous Waste Management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

BMP No.	BMP	BMP Maintenance Required?	Location (See Note)	Corrective Action Needed and Notes (Include photos, if any)
WM-7	Contaminated Soil Management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WM-8	Concrete Waste Management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
WM-9	Sanitary/Septic Waste Management	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1. Northeast of catch basin 12	1. Porta potty too close to active catch basin. Relocate to 50-feet (minimum) from storm drain inlet. See photograph 11.
WM-10	Liquid Waste Management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

Note: Location only required when BMP maintenance is indicated.

**BMP Status**

Are there additional BMPs needed not currently included in SWPPP?  Yes  No

If yes Provide BMP, Location descriptions, and additional correction items:

Inspector Certification:

Print name and title: Marcus Millett, PE, QSD/QSP

Signature:



Date: 09-21-11

## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 1

**Location:**  
Southwest corner  
storm drain.

**Description:**  
Replace and  
remove broken  
gravel bags.  
Remove  
accumulated  
sediment and loose  
gravel. Correction  
item completed.



Stormwater Construction Site Photo Log

PHOTOGRAPHS  
NO. 2 AND 3

**Location:** Tank farm access road.

**Description:**  
Replace and remove broken sandbags. Remove loose sand. Correction item completed. However, new broken sandbags were observed at this location.



## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 4

**Location:** South  
side road.

**Description:**  
Replace and  
remove broken  
sandbags. Remove  
loose sand.  
Correction item  
completed.



## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 5

**Location:** West  
beach gate.

**Description:**  
Replace and  
remove broken  
gravel bags.  
Remove loose  
gravel. Correction  
item completed.



## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 6

**Location:** Bottom  
of plant access  
road

**Description:**  
Replace and  
remove broken  
sandbags. Remove  
loose sand.  
Correction item  
completed.  
However, new  
broken sandbags  
were observed at  
this location.



## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 7

**Location:**  
Southeast corner of  
power block  
construction area

**Description:**  
Install rumble strip.  
Correction item  
completed. New  
correction item -  
Move rumble strip  
to top of grade,  
near asphalt  
pavement.  
Implement traffic  
controls to ensure  
vehicles  
entering/leaving  
construction area  
use rumble strip.



## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 8

**Location:** South of  
power block  
construction area

**Description:**  
Replace broken  
sandbags at small  
soil stockpile.  
Stockpile removed  
from site.  
Correction item  
completed.



## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 9

**Location:** Trailer and soil stockpile area at tank farm.

**Description:**  
Sweep soil off pavement.  
Correction item not completed.



## Stormwater Construction Site Photo Log

**PHOTOGRAPH  
NO. 10**

**Location:** Slope behind above ground tank construction area, southeast of power plant.

**Description:**  
Install jute netting and fiber rolls on slope.



## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 11

**Location:**  
Northeast of catch  
basin 12

**Description:**  
Porta potty too  
close to active  
catch basin.  
Relocate to 50-feet  
(minimum) from  
storm drain inlet.



Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 12

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**Location:**  
Stockpile at tank  
farm

**Description:**  
Secure stockpile  
cover



## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 13

**Location:**  
Construction trailer  
parking lot.

**Description:**  
Remove and  
replace broken  
gravel bags.  
Remove loose  
gravel.



## Stormwater Construction Site Photo Log

**PHOTOGRAPH  
NO. 14**

**Location:** Near west fence at bottom of tank farm access road.

**Description:** Remove broken sandbags and debris.



**ATTACHMENT G  
WATER QUALITY-8  
DOCUMENTATION OF BMP MAINTENANCE  
SEPTEMBER 2011**

## DOCUMENTATION OF BMP MAINTENANCE



**Location: Site wide.**

**Date: 9/20/11**

**Summary: ARB street sweeping performed site-wide three times a week.**

## DOCUMENTATION OF BMP MAINTENANCE



**Location: Tank Farm Berm.**

**Date: 9/28/11**

**Summary: Granite Construction laying down fiber rolls for erosion control along the west side of the Tank Farm berm.**

**ATTACHMENT H  
GEN-3  
CBO RECEIPT OF PAYMENT**

#516211

**CONDITIONAL WAIVER AND RELEASE UPON PROGRESS PAYMENT**

California Civil Code §3262 (d) (1)

Upon receipt by the undersigned of a check from El Segundo Energy Center, LLC in the sum of \$94,500.00 payable to AIMS CORPORATION and when the check has been properly endorsed and has been paid by the bank upon which it is drawn, this document shall become effective to release any mechanic's lien, stop notice, or bond right the undersigned has on the job of El Segundo Energy Center, LLC located at El Segundo Energy Center Repowering Project to the following extent.

This release covers a progress payment for labor, services, equipment, or material furnished to El Segundo Energy Center, LLC through August 31, 2011 only and does not cover any retentions retained before or after the release date; extras furnished before the release date for which payment has not been received; extras or items furnished after the release date. Rights based upon work performed or items furnished under a written change order which has been fully executed by the parties prior to the release date are covered by this release unless specifically reserved by the claimant in this release. This release of any mechanic's lien, stop notice, or bond right shall not otherwise affect the contract rights, including rights between parties to the contract based upon a rescission, abandonment, or breach of the contract, or the right of the undersigned to recover compensation for furnished labor, services, equipment, or material covered by this release if that furnished labor, services, equipment, or material was not compensated by the progress payment. Before any recipient of this document relies on it, said party should verify evidence of payment to the undersigned.

Dated: 8/9/11

AIMS Corporation

By   
President

**ATTACHMENT I  
CIVIL-1, ELEC-1, MECH-1, STRUC-1, TSE-5  
COPIES OF TRANSMITTALS TO CBO AND CBO APPROVALS  
SEPTEMBER 2011**

The following transmittals are included in this MCR:

<b>CBO Package No.</b>	<b>Date Submitted</b>	<b>Description</b>	<b>COC</b>
CBO-155	9/13/2011	Sewer System Structural Drawings and General Documents	STRUC
CBO-204	9/15/2011	Water Plant Structural Drawings and General Documents	STRUC
CBO-205	9/9/2011	Sodium Hypochlorite Skid – Structural Calculations, Drawings, General Documents, Reference Drawings	STRUC-1
CBO-206	9/27/11	Perimeter Wall Structural Drawings, Calculations, and General	STRUC-1
CBO-311	9/23/2011	Support Demin Water System Mech/Inst/Piping – Reference Drawings, and Mechanical General Documents	MECH-1
	9/28/2011	Support Demin Water System Mech/Inst/Piping – Vendor General Data and Mechanical Specifications	MECH-1
	9/15/2011	CBO Disposition with Notes: Demin Water/Mech/Instrum/Piping	MECH-1
CBO-U-103	9/14/2011	Blowdown Sump Shoring Plan	CIVIL-1
CBO-U-300	9/13/2011	Underground Piping Isometrics	MECH-1
	9/23/2011	CBO Disposition- Response required: Underground Piping Isometrics	MECH-1
CBO-U-301	9/15/2011	Underground Piping Composite	MECH-1
CBO-U-051	9/23/2011	CBO Disposition: Mechanical Line Specification Raw Water & Demin Water Piping	GEN-2
CBO-U-1-3	9/12/2011	CBO Disposition: Blowdown Sump Shoring and Foundation	Civil-1

**ATTACHMENT J  
BIO-7  
BIOLOGICAL RESOURCES MONITORING SUMMARY REPORTS  
SEPTEMBER 2011**



1 September 2011

George Piantka  
NRG Energy West  
5790 Fleet Street  
Suite 200  
Carlsbad, CA 92008  
(760) 710-2156

**Progress Report**

El Segundo Energy Center, Designated Biologist

Dear Mr. Piantka:

The following is a summary of activities conducted on 1 September 2011 as part of Condition of Certification BIO-7 for the El Segundo Energy Center Project:

On 1 September 2011, the Designated Biologist (myself) conducted a biological site visit at the El Segundo project site. The Units 1&2 forebay was now been completely sealed, and the water has been treated and discharged. Construction activities are underway at the old Units 1&2 forebay.

I walked along the vegetated areas surrounding the tank farm berm to determine the potential presence of nesting birds. All of the riprap seaward of the tank farm has been removed (pictures attached). It appeared about half of the iceplant on the southern berm (facing 45<sup>th</sup> Street) has been removed. There are also some large patches of dead iceplant along the western and southern sides of the berm.

One American crow (*Corvus brachyrhynchos*) was observed roosting on the western side of the berm (facing the beach), and seven Western gulls (*Larus occidentalis*) flew over the western edge of the ESGS.

Respectfully,

**MBC Applied Environmental Sciences**

Shane Beck  
Principal Scientist / Designated Biologist



Area formerly covered by riprap, southern end of ESGS, 1 September 2011.  
Looking downcoast (south-southwest).



Area formerly covered by iceplant, southern end of ESGS, 1 September 2011.  
Looking inland (northeast).



20 September 2011

George Piantka  
NRG Energy West  
5790 Fleet Street  
Suite 200  
Carlsbad, CA 92008  
(760) 710-2156

**Progress Report**

El Segundo Energy Center, Designated Biologist

Dear Mr. Piantka:

The following is a summary of activities conducted on 20 September 2011 as part of Condition of Certification BIO-7 for the El Segundo Energy Center Project:

On 20 September 2011, the Designated Biologist (Shane Beck) and MBC Senior Scientist David Vilas conducted a biological site visit at the El Segundo project site. Now that the Units 1&2 forebay has been completely sealed, the focus of the survey was on the construction activities underway in the area surrounding the tank farm.

We walked along the vegetated areas surrounding the tank farm berm. As noted before, all of the riprap seaward of the tank farm has been removed and about half of the iceplant on the southern berm (facing 45<sup>th</sup> Street) has been removed. During the visit, Granite Construction was in the process of removing (grubbing) the iceplant on the western side of the berm (Photo 1) and about one-half of the berm had been cleared (Photo 2). In addition, about one-quarter of the hillside above the tank farm adjacent to 45<sup>th</sup> Street has also been cleared (Photo 3). During the survey we evaluated the potential for bird nesting in the construction area. The only birds seen on the property during our visit were about four American crows (*Corvus brachyrhynchos*) that foraged on the recently cleared berm when an opportunity was available. No bird nesting was observed during survey.

Respectfully,

**MBC Applied Environmental Sciences**

Shane Beck  
Principal Scientist / Designated Biologist



Photo 1. Iceplant removal on seaward side of tank farm berm.  
20 September 2011. Looking downcoast (south-southeast).



Photo 2. Area cleared of iceplant on seaward side of tank farm berm.  
20 September 2011. Looking upcoast (north).

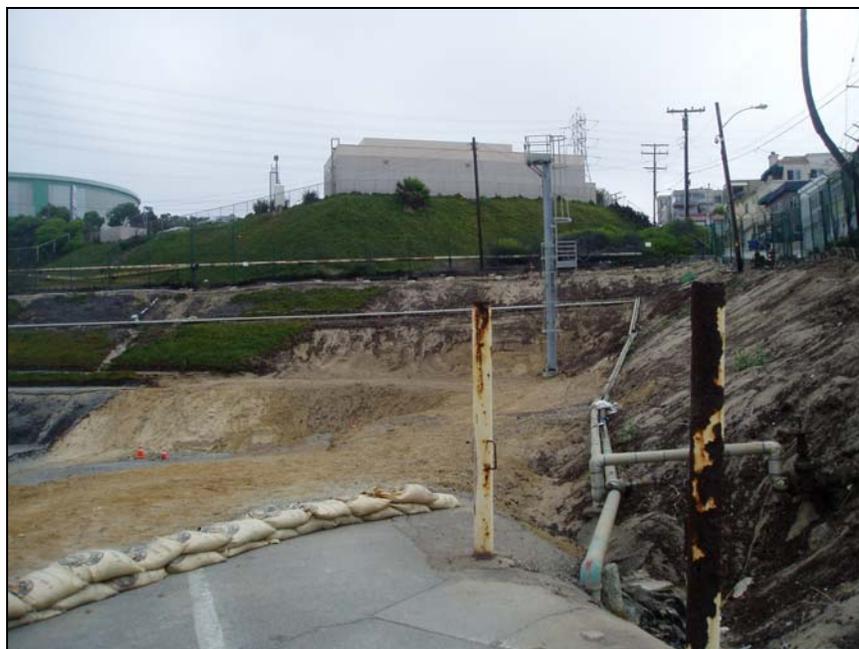
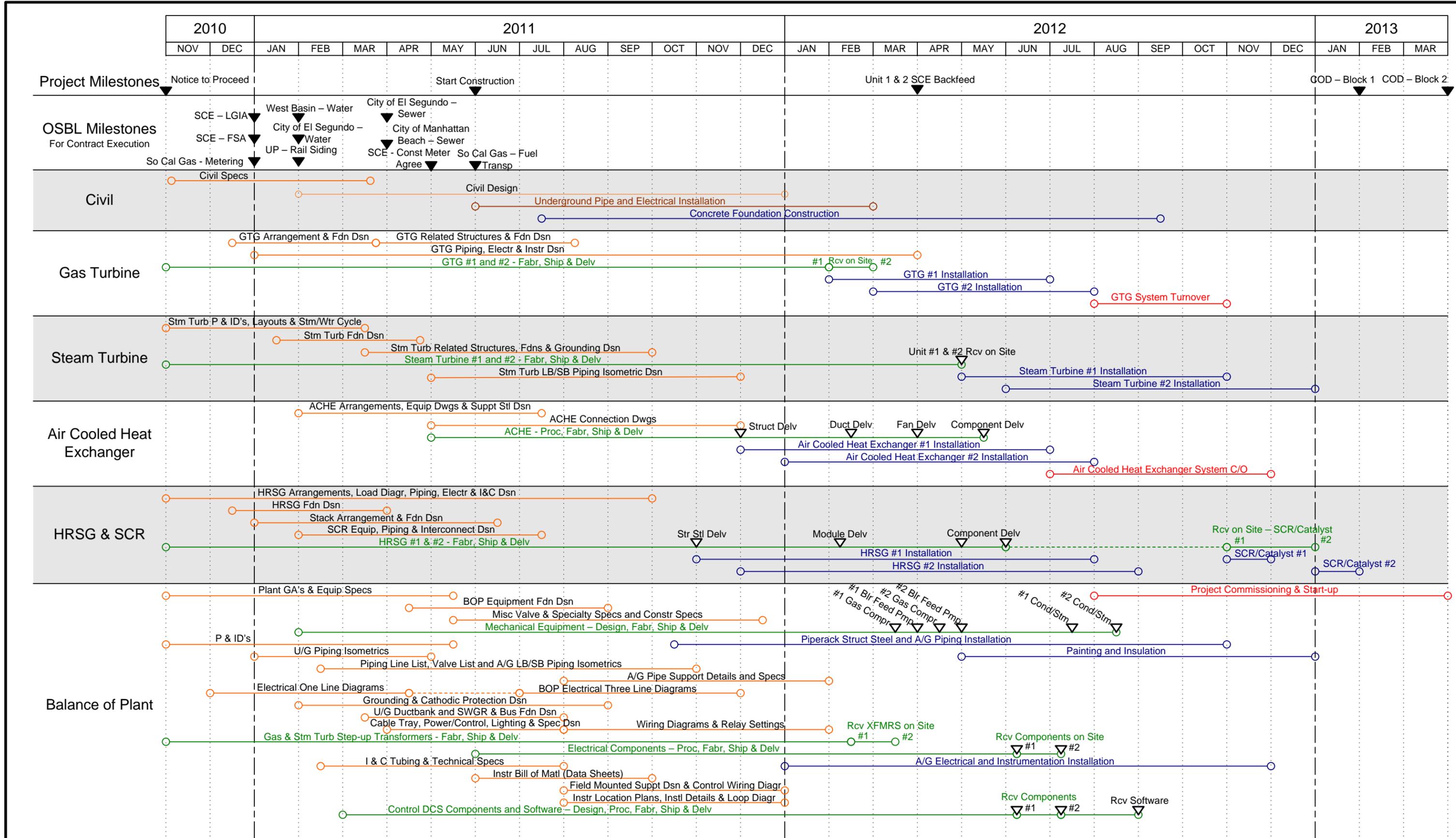


Photo 3. Area cleared of iceplant on hillside above the tank farm adjacent to 45th St.  
20 September 2011. Looking inland (east-northeast).

**ATTACHMENT K  
CUL-2  
SCHEDULE**

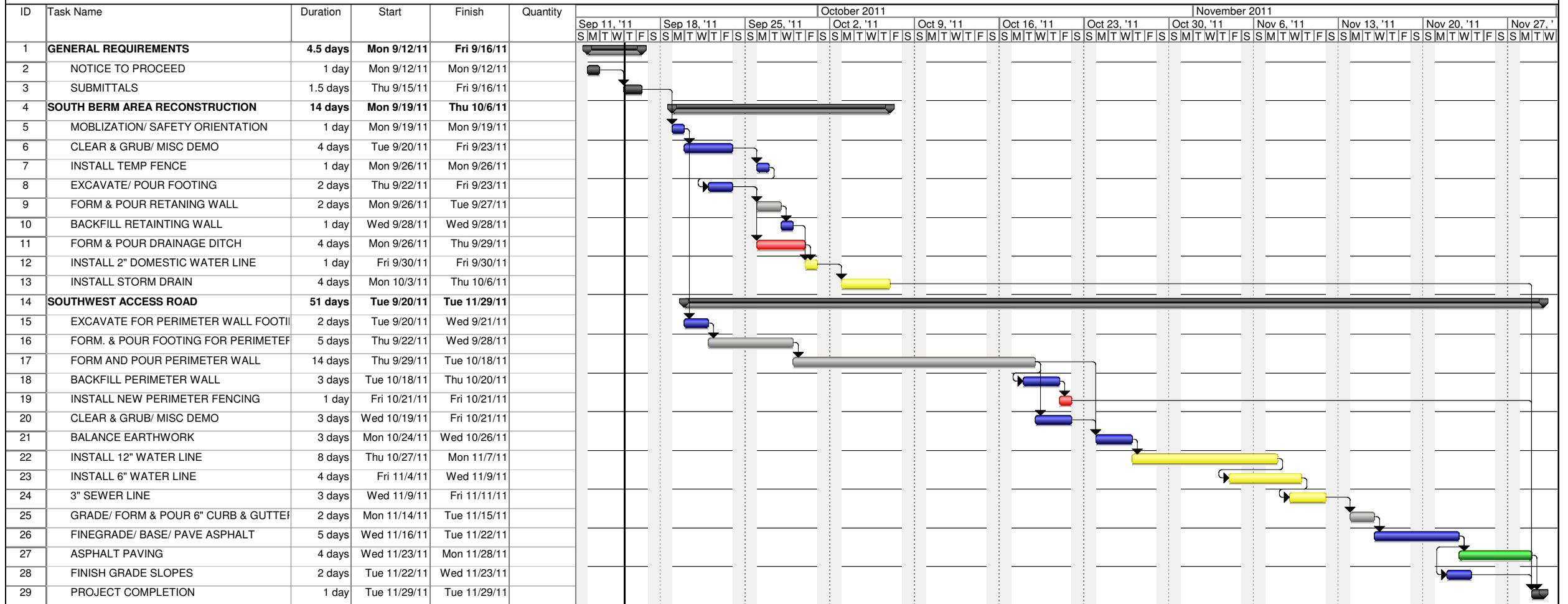


1	12-1-2010	Revised Backfeed to 04-01-10	NL	MK
0	12-1-2010	Initial Issue	RSN	DMP
REV	DATE	DESCRIPTION	BY:	CHK:



## NRG- EL SEGUNDO SOUTH BERM AND ACCESS ROAD IMPROVEMENTS

### Look Ahead Schedule



Project Manager: Abel L. Adrianzen  
Project Superintendent: Mike Vincent

WD: N/A  
Finish Date: N/A  
L/D: N/A

Underground Crew  
Earthwork Crew



Subcontractor  
Paving Crew



Conc. Crew  
Progress



Summary  
Rolled Up Progress



Split  
Project Summary



**ATTACHMENT L  
FEDERAL AVIATION ADMINISTRATION DETERMINATION  
LETTERS  
SEPTEMBER 2011**



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2011-AWP-3765-OE

Issued Date: 09/12/2011

Nick LaPorte  
 El Segundo Energy Center  
 301 Vista Del Mar  
 El Segundo, CA 92045

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure: Stack North Stack  
 Location: El Segundo, CA  
 Latitude: 33-54-39.74N NAD 83  
 Longitude: 118-25-32.88W  
 Heights: 210 feet above ground level (AGL)  
 230 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, paint/red lights - Chapters 3(Marked),4,5(Red),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be completed and returned to this office any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

Any height exceeding 210 feet above ground level (230 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 03/12/2013 unless:

- (a) extended, revised or terminated by the issuing office.
- (b) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (310) 725-6557. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2011-AWP-3765-OE.

**Signature Control No: 144328306-149392412**

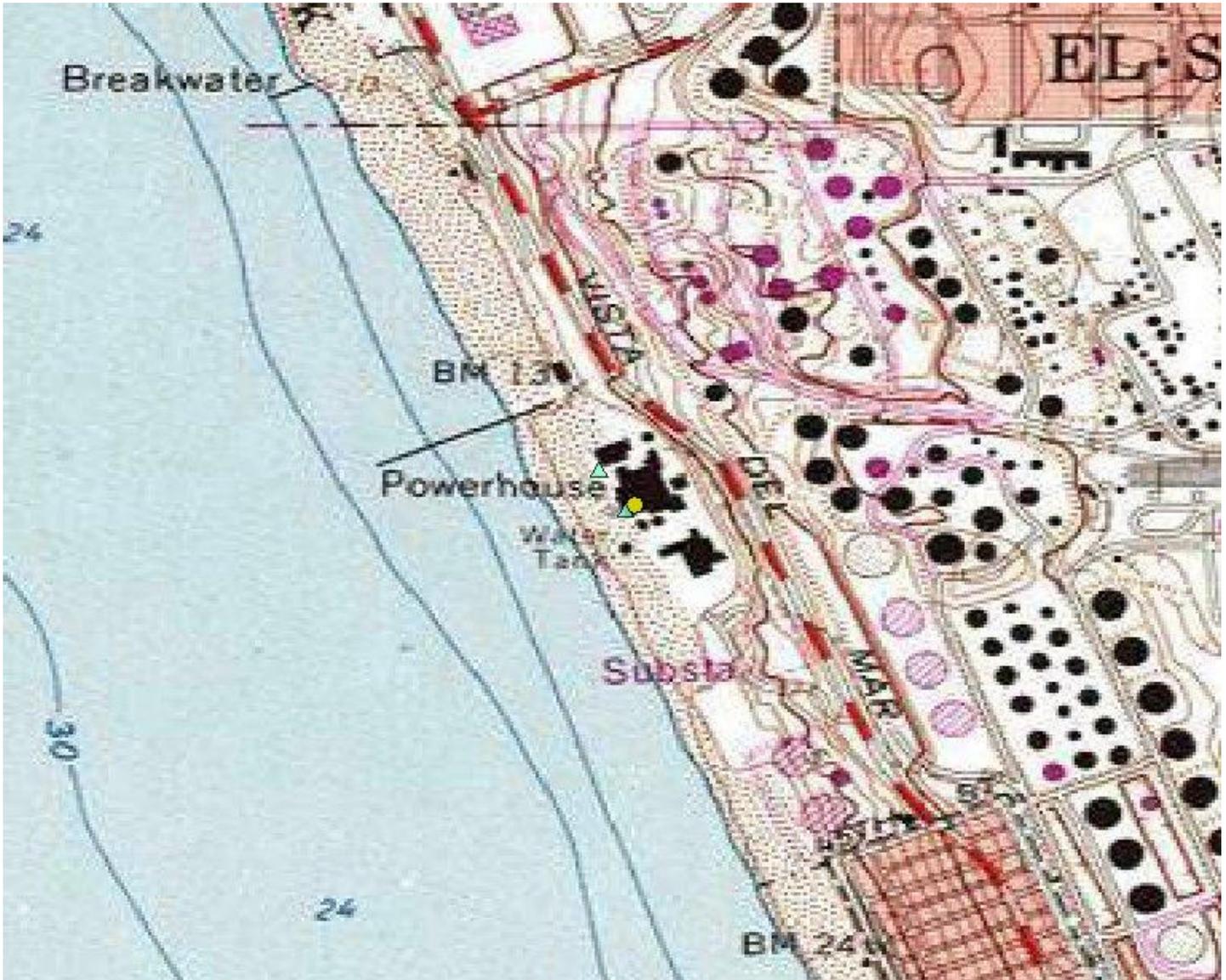
( DNE )

Karen McDonald  
Specialist

Attachment(s)  
Case Description  
Map(s)

## **Case Description for ASN 2011-AWP-3765-OE**

Project is a California Energy Commission licensed project. Construction of 2 combustion turbines and 2 heat recovery steam generators and 2 steam turbines on an ~5 acre portion of the EI Segundo Generating Station. 2 emissions stacks to be erected in 4th qtr 2011 and be completed by 2nd qtr 2012.







Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2011-AWP-3764-OE

Issued Date: 09/12/2011

Nick LaPorte  
 El Segundo Energy Center  
 301 Vista Del Mar  
 El Segundo, CA 92045

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure: Stack South Stack  
 Location: El Segundo, CA  
 Latitude: 33-54-37.53N NAD 83  
 Longitude: 118-25-31.47W  
 Heights: 210 feet above ground level (AGL)  
 230 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, paint/red lights - Chapters 3(Marked),4,5(Red),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be completed and returned to this office any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

Any height exceeding 210 feet above ground level (230 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 03/12/2013 unless:

- (a) extended, revised or terminated by the issuing office.
- (b) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

**NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.**

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (310) 725-6557. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2011-AWP-3764-OE.

**Signature Control No: 144328304-149392413**  
Karen McDonald  
Specialist

( DNE )

Attachment(s)  
Case Description  
Map(s)

## Case Description for ASN 2011-AWP-3764-OE

Project is a California Energy Commission licensed project. Construction of 2 combustion turbines and 2 heat recovery steam generators and 2 steam turbines on an ~5 acre portion of the EI Segundo Generating Station. 2 emissions stacks to be erected in 4th qtr 2011 and be completed by 2nd qtr 2012.





**ATTACHMENT M  
SEPTEMBER 2011  
WORKER SAFETY-4  
CONSTRUCTION SAFETY SUPERVISOR MONTHLY SUMMARY  
REPORT**

FW Templates for September's - Progress Monthly Report.txt  
From: Sean Moyna [smoyna@arbinc.com]  
Sent: Monday, October 10, 2011 8:38 AM  
To: Seipel, Scott  
Subject: FW: Templates for September's - Progress Monthly Report

Attachments: 3C05 - Sept 2011 Safety Progress Meeting Report Sean.docx; Sections 5A, 5B & 6 - Sept Safety Progress Meeting Report Sean.docx

Scott

Please see the attached safety portion of the ARB project progress meeting report.

Sean Moyna

Safety Manager

ARB, Inc.

(661) 201-3532 Mobile

(310) 356-3478 Fax

smoyna@arbinc.com

### 3.0 (C) (v) Safety Progress Report

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MONTHLY PROGRESS REPORT
Sean Moyna Safety Manager
Date Covered: September 2011
<b>Achievements:</b>
<ol style="list-style-type: none"><li>1 “All hands” meeting conducted every Monday where safety items will be discussed for the week.</li><li>2 Monthly job walk to start in September where all site supervisors will do a group safety walk/ inspection.</li><li>3 HAZWOPER 40 complete for all employees involved with work in blow down pits are</li></ol>
<b>Problems Encountered :</b>
<ol style="list-style-type: none"><li>1. Minor incident – damaged side rail of trailer with excavator bucket</li></ol>
<b>Open Items:</b>
<ol style="list-style-type: none"><li>1 Final HSE plan submitted awaiting approval</li></ol>
<b>Summary Assessment and Forecast (Provide an overall assessment of the work and a forecast of contract completion):</b>

## **5.0 (A) Staffing Report for ARB Inc.**

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### **ADMINISTRATIVE FOR SEPTEMBER 2011 - 16**

**PM  
COST CONTROL  
SCHEDULER  
QA/QC MANAGER  
QA/QC ENGINEER  
ENGINEER  
OFFICE MANAGER  
DOCUMENT CONTROL MANAGER  
PF SUPT  
PF GF  
MATERIALS MANAGER  
CIVIL SUPT  
ELECTRICAL SUPT  
MECHANICAL SUPT  
SAFETY MANAGER  
CONSTRUCTION MANAGER**

### **DIRECT CRAFT PEAK BY TYPE FOR SEPTEMBER 2011**

<b>CRAFT TYPE</b>	<b>PEAK # OF MEN</b>
Laborers	<b>7</b>
Carpenters	<b>9</b>
Cement Masons	<b>5</b>
Equipment Operator	<b>2</b>
Pipefitters	<b>5</b>
Sprinkler Fitters	<b>2</b>
Teamsters	<b>1</b>
<b>PEAK NUMBER OF CRAFT</b>	<b>31</b>

## **5.0 (B) Staffing Report for Sub Contractors**

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### **SUBCONTRACTOR CRAFT PEAK BY TYPE FOR SEPTEMBER 2011**

**CRAFT TYPE**

**PEAK # OF MEN**

**SUBCONTRACT PEAK NUMBER OF CRAFT**

**15**

## 6.0 Health & Safety Report

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### ARB SAFETY STATISTICS NRG EL SEGUNDO PROJECT

	Total Manhours (Craft & Staff)	Observations (At Risk)	First Aids	Key Incidents	Lost Work Cases	Non Lost Work Cases	Property Damage	Fatality
Sept 2011 Monthly Statistics	6674.5	0	0	0	0	0	1	0
Thru Sept 2011 Project-to-Date Statistics	17781.5	0	0	0	0	0	1	0