

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

*California Energy Commission  
Monthly Compliance Report  
August 2011*

*Submitted by: El Segundo Energy Center LLC  
Date Submitted: 9-14-11*

## 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. LVI continued abatement of ACM during August 2011. No lead abatement occurred during August 2011.

LVI completed the demolition of the third (and last) existing transmission tower. This work required Right-of-Way permits from the City of El Segundo and City of Manhattan Beach to close Vista Del Mar during night shift hours. ESEC made significant public notification in preparation for this activity. Work was complete August 30 through July 1, with no incidents or complaints.

Characterization and remediation of subsurface soils and below grade equipment continues per EPA and Department of Toxic Substances Control (DTSC) approved work plans. Hauling of impacted material began the week of April 18, 2011 and continued in August 2011. AECOM completed assessment and updates EPA and the Department of Toxic Substances Control as needed.

ESEC completed all activities associated with the former Unit 1 & 2 cooling tunnel plugging in July. ESEC submitted the Annual Project Monitoring report to the Los Angeles Regional Water Quality Control Board to close out the 401 Certification File No. 10-158. A copy of the annual report is provided in Attachment L.

AECOM continued performing 1166 monitoring of excavation work under various locations AQMD permits until August 10<sup>th</sup>, when the new Site Specific Rule 1166 Contaminated Soil Mitigation Plan No. 518793 became active. A copy of the permit is provided in Attachment E.

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. The north construction area is still being prepared by LVI. Work is continuing on the below grade piping, electrical and preparations of foundations for the water treatment plant. Shoring installation along the east perimeter was completed. Granite construction completed the

modifications to the site entry road and completed the clearing and grubbing of the 45<sup>th</sup> Street berm. ARB continues forming and prep work for the north HRSG foundation.

PMI install rebar and anchor bolts in foundations for mixing tank, demin water tank, and fire pump skids. PMI completed the concrete pour for the water plant mixing water tank foundation, fire pump skid, and miscellaneous pump foundations for the new water treatment plant.

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)**

ESEC submitted an application to South Coast Air Quality Management District (SCAQMD) for a Site Specific 1166 Permit Contaminated Soil Mitigation Plan in February 2011. SCAQMD issued the revised Title V Permit to Construct (PTC) on July 15, 2011 with the Site Specific 1166 permit included in Section I of the Title V permit. ESEC activated the Site Specific Permit August 10<sup>th</sup>, 2011.

ESEC is awaiting final approval from FAA for the online Form 7460-1 filed in June 2011.

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

The CBO approved design drawings for the water treatment plant, and provided dispositions on the fire water and service water tank design. Engineering responses are required for the tank design CBO dispositions.

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

- a. COM-5 and COM-6 – August 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 as **Attachment A**.
- b. **AQ-C4 – Monthly Construction Compliance Report for August 2011 is included** herein as **Attachment B** of this report. Also 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 August 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 August 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 June 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 – One project complaint was logged and resolved in August 2011, and is included in **Attachment L**.
- p. NOISE-2 – One noise complaint was received in August 2011 regarding demolition or construction activities and is included in **Attachment L**. 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).
- s. VIS-8 – Construction Lighting. The Construction Lighting 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 August 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 – August 2011 Monthly Compliance Report, updates to Key Events Schedule and Compliance Matrix for August 2011 are submitted herein.
- d. WORKER SAFETY-4 – Training records are retained on site in the contractor trailers. No lost time accidents occurred in August 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 August 2011 is prepared by the Paleontological Resources Specialist and is submitted herein as **Attachment D**.
- i. WASTE-8 – Continuation of abatement activities. Removal of transite duct bank continued in August 2011.
- j. 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 filed a 401 Certification Annual Project Monitoring Report with the Los Angeles Regional Water Quality Control Board for the former Unit 1 & 2 once—through cooling tunnels. This filing closes out all activity under the 401 Certification permit.

### **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. VIS-3 – Submit engineering design of seawall to CBO.
- j. 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.
- k. File the updated SWPPP plan in compliance with new General Permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities (General Permit) Order No. 2009-0009-DWQ as amended by Order No. 2010-0014-DWQ (National Pollutant Discharge Elimination System [NPDES] No. CAS000002) issued by the State Water Resources Control Board (SWRCB).

### **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**

One noise complaint was received and resolved in August 2011. No notices of violation, official warnings, or citations received during August 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**  
 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
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 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 (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: 6/6/11 (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	

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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. 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	Inspection with Discrepancies or Unforeseen Adverse Situations	As Needed				As Needed	3	
CIVIL	2	Stop All Affected Work For Unforeseen Conditions	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	CBO's approval to resume work	As Needed				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	TBD				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	

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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

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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	

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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	TBD				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 also 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.	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	TBD			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	TBD			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	

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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	TBD				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	TBD				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	TBD			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 Lifeguard 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

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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 2 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	

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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 <del>0EN-2</del> , 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 <del>2</del> .	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	Check with Nick				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 the 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	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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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	The 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, anchor bolts, conductors, grounding systems and major 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

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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 CO-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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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	TBD				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	TBD				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	TBD				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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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	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	Halting 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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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  
AUGUST 2011**

# **El Segundo Power Redevelopment Project**

*California Energy Commission  
Monthly Construction Compliance Report*

*August 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 Demolition/Construction Activities

Contractors demolition and construction activities completed during August included the following:

- LVI demolition activities included removal of the transmission tower (involving roadway closure), concrete crushing and stockpiling, excavation backfill, hazardous material relocation; condensate tank demolition; and demolition of the forebay.
- Performance Mechanical, Inc. (PMI) construction activities included potholing for lift station; prep work for chemical system installation; trenching; and concrete pouring in conduit area.
- ARB construction activities included excavation, foundation pouring, and potholing.
- Malcolm construction activities included excavation; completed road widening at site entrance; and installation of guard rail along roadway.
- Granite construction activities included clearing and grubbing of the south berm adjacent to the old tank farm.

Continuous manual watering was employed in direct areas of heavy construction activity including stock pile relocation, concrete crushing, and demolition activities. Water trucks were utilized onsite to water both paved and unpaved roads, up to 10 times per day. Onsite street sweeping is conducted 3 times per week, 4 hours per day.

## **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.

*Demolition and excavation activities were conducted within containment and were generally shielded from the wind. 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 August 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.

*Grading activities were not observed during August construction activities.*

- Alternatively, a vegetative ground cover will be established after active operations have ceased, as applicable.

*Grading activities were not observed during August construction activities. The south berm of the old tank farm was cleared of vegetation in August in preparation of re-vegetation, scheduled to be completed in September.*

**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 demolition 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.

*A tire wash station is not necessary for tracking control. All onsite roadways have been paved.*

**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 June construction activities. On-site stockpiles, which were undisturbed for 10 days or longer, were controlled using plastic sheeting secured with sandbags.*

**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 not observed during August construction activities. Additional control measures were not required.*

- 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 August 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 August 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 August 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 August construction activities.*

**viii. Large Haul Trucks Control**

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

**ix. Open Storage Pile Control**

- *Open storage piles were covered by plastic sheeting and secured with sandbags to minimize dust generation.*

**x. Additional Dust Control Measures**

- *Additional fugitive dust control measures were not required to reduce and control emissions during June 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 August 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**

- *There were no new contractors onsite during August activities. New equipment brought onsite included: two backhoes, two rough terrain forklifts, two rollers, one paver, one skid steer loader, and one excavator. These equipment and equipment continuing to be used onsite are shown in the monthly equipment list (Appendix C) for August.*

**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 August 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 August is provided in Appendix C. The list includes the model year, horse-power, EPA/CARB Tier level, and the date brought onsite. The list is grouped by those engines that arrived during August and those that arrived onsite in prior months and were continuing onsite in August. Both the new and continuing equipment sections are ordered sequentially based on the date the equipment arrived onsite (most recent is listed first). Because of the number of engines onsite and their sometime intermittent usage depending on the equipment they power, the monthly list is of equipment present onsite for the reporting month and does not necessarily mean that all equipment listed onsite were operated in that month (e.g., August).*

*Please note that all new equipment in August meet the Tier 3 engine standards. For equipment continuing onsite in August that is below the Tier 3 engine standard, the AQCMM has requested relief from the CPM for this requirement and has provided the sufficient documentation to demonstrate that a good faith effort has been performed.*

**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.**

- *All new equipment used onsite meet Tier 3 engine standards, no additional reporting or verification of add-on control technology was prepared in August.*

**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**

# Wood Oil Company of California

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Distributor of Major Brand Petroleum Products

INVOICE # 13129

Date: 8-2-11 JOB #: 150505 P.O. # \_\_\_\_\_

Customer Name: LV1

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

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

Qty	Product	Inches	Equipment #(s)
<u>313</u>	ULS Red Dyed Diesel (15 Max PPM)	Beg _____ End _____	<u>100001</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	_____
Qty	Product	_____	_____

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

Time In	Time Out
<u>5:40</u>	<u>8:15</u>

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

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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Distributor of Major Brand Petroleum Products

INVOICE # 13118

Date: 8-1-11 JOB #: \_\_\_\_\_ P.O. # \_\_\_\_\_

Customer Name: LV1

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

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

Qty	Product	Inches	Equipment #(s)
<u>217</u>	ULS Red Dyed Diesel (15 Max PPM)	Beg _____ End _____	<u>100001</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	_____
Qty	Product	_____	_____

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

Time In	Time Out
<u>6:00</u>	<u>8:00</u>

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

RECEIPT OF PRODUCTS ACKNOWLEDGED - ADDITIONAL TERMS ON BACK

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

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INVOICE # 13141

Date: 8-4-11 JOB #: \_\_\_\_\_

Customer Name: LVT

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

City: Escondido

Equipment #(s) \_\_\_\_\_

Qty	Product	Inches	Equipment #(s)
<u>215</u>	ULS Red Dyed Diesel (15 Max PPM)	Beg _____ End _____	<u>1 PERS</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	Qty	Product
_____	_____	_____
_____	_____	_____
_____	_____	_____

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

Driver: _____	Time In	Time Out
	<u>5:45</u>	<u>7:00</u>

RECEIPT OF PRODUCTS ACKNOWLEDGED - ADDITIONAL TERMS ON BACK

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

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INVOICE # 13134

Date: 8-3-11 JOB #: \_\_\_\_\_

Customer Name: LVT

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

City: Escondido

Equipment #(s) \_\_\_\_\_

Qty	Product	Inches	Equipment #(s)
<u>315</u>	ULS Red Dyed Diesel (15 Max PPM)	Beg _____ End _____	<u>TOP OF PERS</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	Qty	Product
_____	_____	_____
_____	_____	_____
_____	_____	_____

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

Driver: _____	Time In	Time Out
	<u>5:40</u>	<u>7:15</u>

RECEIPT OF PRODUCTS ACKNOWLEDGED - ADDITIONAL TERMS ON BACK

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

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Date: 8-5-11 **JOB #:** \_\_\_\_\_ **P.O. #** 13151

Customer Name: LVT

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

City: Claremont **Equipment #(s)** \_\_\_\_\_

Qty	Product	Inches	Equipment #(s)
<u>235</u>	ULS Red Dyed Diesel (15 Max PPM)	Beg _____ End _____	<u>TOP OIL</u>
	ULS Clear Diesel (15 Max PPM)	Beg _____ End _____	<u>PES</u>
	Unleaded Regular Gasoline	Beg _____ End _____	
	Unleaded Blend Gasoline	Beg _____ End _____	
	Unleaded Premium Gasoline	Beg _____ End _____	

Oil Products	Qty	Product
Drums Delivered:	_____	Drums Returned: _____
Driver:	_____	_____
	<u>6:15</u>	<u>7:00</u>

RECEIPT OF PRODUCTS ACKNOWLEDGED - ADDITIONAL TERMS ON BACK  
Customer Signature: \_\_\_\_\_

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Date: 8-4-11 **JOB #:** \_\_\_\_\_ **P.O. #** 13142

Customer Name: LVT

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

City: Claremont **Equipment #(s)** \_\_\_\_\_

Qty	Product	Inches	Equipment #(s)
<u>29</u>	ULS Red Dyed Diesel (15 Max PPM)	Beg _____ End _____	<u>TOP OIL</u>
	ULS Clear Diesel (15 Max PPM)	Beg _____ End _____	<u>BACK</u>
	Unleaded Regular Gasoline	Beg _____ End _____	
	Unleaded Blend Gasoline	Beg _____ End _____	
	Unleaded Premium Gasoline	Beg _____ End _____	

Oil Products	Qty	Product
Drums Delivered:	_____	Drums Returned: _____
Driver:	_____	_____
	<u>5:45</u>	<u>7:00</u>

RECEIPT OF PRODUCTS ACKNOWLEDGED - ADDITIONAL TERMS ON BACK  
Customer Signature: \_\_\_\_\_

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INVOICE # 13169

Date: 8-9-11 JOB #: \_\_\_\_\_ P.O. # \_\_\_\_\_

Customer Name: \_\_\_\_\_

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

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

Qty	Product	Inches	Equipment #(s)
<u>263</u>	ULS Red Dyed Diesel (15 Max PPM)	Beg _____ End _____	<u>TOP OFF</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	Qty	Product
_____	_____	_____
_____	_____	_____
_____	_____	_____

Drums Delivered: \_\_\_\_\_ Drums Returned: \_\_\_\_\_  
 Driver: \_\_\_\_\_  
 Time In: \_\_\_\_\_ Time Out: \_\_\_\_\_

Customer Signature: \_\_\_\_\_  
 RECEIPT OF PRODUCTS ACKNOWLEDGED - ADDITIONAL TERMS ON BACK  
 1532 W. 132<sup>nd</sup> Street • Gardena, CA 90249  
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INVOICE # 13161

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

Customer Name: Environmental

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

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

Qty	Product	Inches	Equipment #(s)
<u>399</u>	ULS Red Dyed Diesel (15 Max PPM)	Beg _____ End _____	<u>TOP OFF</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	Qty	Product
_____	_____	_____
_____	_____	_____
_____	_____	_____

Drums Delivered: \_\_\_\_\_ Drums Returned: \_\_\_\_\_  
 Driver: \_\_\_\_\_  
 Time In: 6:00 Time Out: 7:00

Customer Signature: \_\_\_\_\_  
 RECEIPT OF PRODUCTS ACKNOWLEDGED - ADDITIONAL TERMS ON BACK  
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INVOICE # 12998

INVOICE # 13177

Date: 8-11-11 JOB #: P.O. #

Date: 8-10-11 JOB #: P.O. #

Customer Name: LVI Taylor Road

Customer Name: LVI Siquardo

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

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

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

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

Qty	Product	Inches	Equipment #(s)
259	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 _____	
Oil Products	Qty	Product	

Qty	Product	Inches	Equipment #(s)
428	ULS Red Dyed Diesel (15 Max PPM)	Beg _____ End _____	106051
	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	Qty	Product	

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

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

Driver:	Time In	Time Out
Shawna	5:45A	6:30

Driver:	Time In	Time Out
Shawna	6:00	

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

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

RECEIPT OF PRODUCTS ACKNOWLEDGED - ADDITIONAL TERMS ON BACK

RECEIPT OF PRODUCTS ACKNOWLEDGED - ADDITIONAL TERMS ON BACK

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# Wood Oil Company of California

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Date: 8/27/11 JOB #: LVI INVOICE # 13184  
P.O. # \_\_\_\_\_

Customer Name: \_\_\_\_\_

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

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

Qty	Product	Inches
<u>408</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 _____

**Oil Products**

Qty	Product
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

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

Time In	Time Out
<u>6:00</u>	<u>7:20</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@SBCCGlobal.net • Web site: WoodOilCompany.com  
Gasoline • Motor Oils • Diesel  
For emergency response call PERS at (800) 633-8253

# Wood Oil Company of California

...Service Since 1942



Distributor of Major Brand Petroleum Products

**INVOICE # 13191**

**P.O. #**

Date: 8-15-11 **JOB #:**

Customer Name: LVI Law Enforcement

Delivery Address:

City: Los Angeles

**Equipment #(s)**

Qty	Product	Inches	Equipment #(s)
<u>419</u>	ULS Red Dyed Diesel (15 Max PPM)	Beg _____ End _____	<u>Top Oil</u>
	ULS Clear Diesel (15 Max PPM)	Beg _____ End _____	<u>RES</u>
	Unleaded Regular Gasoline	Beg _____ End _____	
	Unleaded Blend Gasoline	Beg _____ End _____	
	Unleaded Premium Gasoline	Beg _____ End _____	
Oil Products	Product		
Qty	Product		

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

Driver: fo

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

Gasoline • Motor Oils • Diesel

For immediate response call PFRS at (800) 633-8253

# Wood Oil Company of California

...Service Since 1942



Distributor of Major Brand Petroleum Products

**INVOICE # 13192**

**P.O. #**

Date: 8-15-11 **JOB #:**

Customer Name: LVI Law Enforcement

Delivery Address:

City: Los Angeles

**Equipment #(s)**

Qty	Product	Inches	Equipment #(s)
<u>32</u>	ULS Red Dyed Diesel (15 Max PPM)	Beg _____ End _____	<u>Top Oil</u>
	ULS Clear Diesel (15 Max PPM)	Beg _____ End _____	<u>RES</u>
	Unleaded Regular Gasoline	Beg _____ End _____	
	Unleaded Blend Gasoline	Beg _____ End _____	
	Unleaded Premium Gasoline	Beg _____ End _____	
Oil Products	Product		
Qty	Product		

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

Driver: fo

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

Gasoline • Motor Oils • Diesel

For immediate response call PFRS at (800) 633-8253

# Wood Oil Company of California

...Service Since 1942



Distributor of Major Brand Petroleum Products

INVOICE # 13487

Date: 8-18-11 JOB #: \_\_\_\_\_ P.O. # \_\_\_\_\_

Customer Name: LVI Environmental

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

City: El Segundo

Equipment #(s)

<u>Qty</u>	<u>Product</u>	<u>Inches</u>
<u>267</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: Ja

<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

...Service Since 1942



Distributor of Major Brand Petroleum Products

INVOICE # 13030

Date: 8.16.11 JOB #: \_\_\_\_\_ P.O. # \_\_\_\_\_

Customer Name: LVI ENVIRONMENTAL

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

City: ELSEBURO **Equipment #(s)**

**Qty**

**Product**

**Inches**

<u>224</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


## Oil Products

**Qty**

**Product**

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

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

Driver: BURMAN

Time In	Time Out
<u>6:00</u>	<u>6:15A</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

...Service Since 1942



Distributor of Major Brand Petroleum Products

INVOICE # 13203

Date: 8-17-11 JOB #: \_\_\_\_\_ P.O. # \_\_\_\_\_

Customer Name: LVI Environ

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

City: El Segundo

Equipment #(s)

<u>Qty</u>	<u>Product</u>	<u>Inches</u>
<u>285</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>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>6:00</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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For emergency response call PERS at (800) 633-8253

# Wood Oil Company of California

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Distributor of Major Brand Petroleum Products

INVOICE # 13513

Date: 8-27-11 JOB #: \_\_\_\_\_ P.O. # \_\_\_\_\_

Customer Name: LVI Environ mental

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

City: El Segundo

Equipment #(s)

<u>Qty</u>	<u>Product</u>	<u>Inches</u>	
<u>274</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>P-25</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

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# Wood Oil Company of California

...Service Since 1942



Distributor of Major Brand Petroleum Products

INVOICE # 13523

Date: 8-23-11 JOB #: \_\_\_\_\_ P.O. # \_\_\_\_\_

Customer Name: LVI Environ

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

City: El Segundo

Equipment #(s)

<u>Qty</u>	<u>Product</u>	<u>Inches</u>
<u>324</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: \_\_\_\_\_

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

...Service Since 1942



Distributor of Major Brand Petroleum Products

INVOICE # 13522

Date: 8-23-11 JOB #: \_\_\_\_\_ P.O. # \_\_\_\_\_

Customer Name: LVI Environ

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

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

<u>Qty</u>	<u>Product</u>	<u>Inches</u>	<u>Equipment #(s)</u>
_____	ULS Red Dyed Diesel (15 Max PPM)	Beg _____ End _____	TOP OFF water TRUCK
<u>20</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

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

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

Driver: [Signature]

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

...Service Since 1942



Distributor of Major Brand Petroleum Products

INVOICE # **13530**

Date: 8-24-11 JOB #: \_\_\_\_\_

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

Customer Name: LVI

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

City: Ci Segundo

**Equipment #(s)**

<u>Qty</u>	<u>Product</u>	<u>Inches</u>
<u>157</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 PERS</u>

**Oil Products**

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

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

Driver: [Signature]

<b>Time In</b>	<b>Time Out</b>
<u>6:00</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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For emergency response call PERS at (800) 633-8253

# Wood Oil Company of California

...Service Since 1942



Distributor of Major Brand Petroleum Products

INVOICE # 13531

Date: 8-24-11 JOB #: \_\_\_\_\_ P.O. # \_\_\_\_\_

Customer Name: LV I

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>84</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 Truck</u>

**Oil Products**

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

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

Driver: [Signature]

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

Gasoline • Motor Oils • Diesel

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# Wood Oil Company of California

...Service Since 1942



Distributor of Major Brand Petroleum Products

INVOICE # 13545

Date: 8-25-11 JOB #: \_\_\_\_\_ P.O. # \_\_\_\_\_

Customer Name: LV7 Environmental

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

City: El Segundo

**Equipment #(s)**

<u>Qty</u>	<u>Product</u>	<u>Inches</u>
<u>242</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>10:00</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

Gasoline • Motor Oils • Diesel

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

# Wood Oil Company of California

...Service Since 1942



Distributor of Major Brand Petroleum Products

Date: 8/26/11 **JOB #:** \_\_\_\_\_ **INVOICE #** 13438  
**P.O. #** \_\_\_\_\_

Customer Name: LVI Environmental

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

City: EL Segundo

**Equipment #(s)**

<u>Qty</u>	<u>Product</u>	<u>Inches</u>		
<u>300</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	

### Oil Products

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

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

Driver: [Signature]

<b>Time In</b>	<b>Time Out</b>

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



# INVOICE

NO.

INVOICE DATE	8-2-11
CUSTOMER'S ORDER NO.	

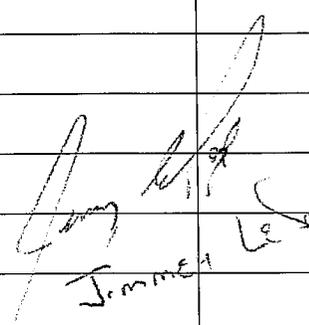
MC FUELS

SOLD TO:	ARB, INC

SHIP TO:	NR6 Power Plant
	EL SEGUNDO, CA

SALESPERSON	SHIPPED VIA	SHIP DATE	TERMS	F.O.B.

QTY. ORDERED	QTY. SHIPPED	DESCRIPTION	UNIT	AMOUNT
1		LABOR Fee		65
	125.-	TOTAL Gallons of - DYED DIESEL #2		
		EQUIPMENT		
		1 Generator	1 MULE	
		1 SKYTRAK		
		1 WELDER		

  
 James Le...  
 8/2/11

# INVOICE

NO.

INVOICE DATE

8-2-11

CUSTOMER'S  
ORDER NO.

MC FUELS

SOLD TO:

ARB

SHIP TO:

LAY DOWN yard

190<sup>th</sup> ST

GARDENA, CA

SALESPERSON

SHIPPED VIA

SHIP DATE

TERMS

F.O.B.

QTY. ORDERED	QTY. SHIPPED	DESCRIPTION	UNIT	AMOUNT
1		LABOR Fee		<del>    </del>
27.5		DYED DIESEL #2		
		EQ. PAINT		
		1 SKIDTRAK		
		1 WELDER		

*John K...*

# INVOICE

NO.

INVOICE DATE 8-3-11  
CUSTOMER'S ORDER NO. 173640-7803-201

SHIP TO: NRG PLANT  
EL SCOURDO, CA

SOLD TO: MZ FUELS  
DMT

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

QTY. ORDERED	QTY. SHIPPED	DESCRIPTION	UNIT	AMOUNT
1		Med Fee		
47.2		TOTAL GALLONS		65
		EQUIPMENT		2.80
		3 CANS		183.13
		1 SKIP LAMBER		6.05
		1 WELDER		
		1 COMPRESSOR		
				248.13
			TAX	





CHEVRON CSI 1891  
621 S VISTADELMAR  
MANHATTAN BEACH, CA  
STN 00097508

03/24/11 14:40:10

E/VISA

XXXXXXXXXXXX5511  
Invoice# 0878143  
Auth# 004545

Pump#: 8  
13.975G @ \$ 3.799/G  
TAX/Service \$ 53.09

Total \$ 53.09

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

78031-402

THANK YOU FOR  
CHOOSING CHEVRON

Granite

WELCOME TO  
CENTURY SHELL  
SALES RECEIPT  
57 442 718805  
SHELL  
5551 W CENTURY  
LOS ANGELES  
CA 90045

WELCOME TO  
CENTURY SHELL  
SALES RECEIPT  
57 442 718805  
SHELL  
5551 W CENTURY  
LOS ANGELES  
CA 90045

600 230629 2 30 330 05 \$ 0763  
Dakota Cafe  
Come inside and enjoy

600 230629 2 30 330 05 \$ 0763  
Dakota Cafe  
Come inside and enjoy

DATE 08/01/11 5:55PM  
INVOICE# 170902  
AUTH# 682187  
ODMETER 11005  
Voyager

DATE 08/03/11 6:34AM  
INVOICE# 190124  
AUTH# 490645  
ODMETER 11005  
Voyager

ACCOUNT NUMBER  
XXXXX XXXX XX416 5  
GRANITE CONSTRUCTION

ACCOUNT NUMBER  
XXXXX XXXX XX416 5  
GRANITE CONSTRUCTION

PUMP PRODUCT \$/G  
11 DIES \$4.139

PUMP PRODUCT \$/G  
12 DIES \$4.139

GALLONS FUEL TOTAL  
48.321 \$200.00

GALLONS FUEL TOTAL  
48.321 \$200.00

TOTAL SALE \$200.00

TOTAL SALE \$200.00

NOW earn DOUBLE  
POINTS at a  
participating Ralphs  
with this receipt  
thru 08-31-11  
Take this receipt to  
Ralphs for Double

NOW earn DOUBLE  
POINTS at a  
participating Ralphs  
with this receipt  
thru 09-30-11  
Take this receipt to  
Ralphs for Double

Points & faster fuel  
savings. Code 6900

Points & faster fuel  
savings. Code 6900

\*\*\*\*\*  
SPECIAL!!!  
MONSTER 16 OZ  
3 FOR \$5.00 +TAX+CRV  
\*\*\*\*\*

\*\*\*\*\*  
SPECIAL!!!  
MONSTER 16 OZ  
3 FOR \$5.00 +TAX+CRV  
\*\*\*\*\*

57444588909

57444588909

08/08/2011 04:26:26 PM 191043951

08/10/2011 06:11:00 PM 191045209

XXXXX XXXX XX416 5 Voyager  
INVOICE 138336  
AUTH 856477  
ODD 11005

XXXXX XXXX XX416 5 Voyager  
INVOICE 153186  
AUTH 743616  
ODD 11005

PUMP# 11  
Diesel 2 CR  
PRICE/GAL 4.239  
FUEL TOTAL \$ 130.14

PUMP# 11  
Diesel 2 CR  
PRICE/GAL 4.239  
FUEL TOTAL \$ 200.00

Subtotal = \$ 130.14  
Tax = \$ 0.00

Subtotal = \$ 200.00  
Tax = \$ 0.00

Total = \$ 130.14  
CREDIT \$ 130.14

Total = \$ 200.00  
CREDIT \$ 200.00

*fuel for Job #78031  
Elsenburg*

Palm Springs Oil #18  
1120 Foothill Blvd.  
La Verne, Ca. 91750

PALM SPRINGS OIL 18  
1120 FOOTHILL BLVD  
LA VERNE CA  
00010107647

*Robert DeKisa*

08/18/2011 5:46:25 PM  
Register: 1 Trans #: 6350 06 ID: 11  
Your cashier: Cashier

Coca-Cola \$1.60 99  
REGULAR CA PUMP#4  
9.726 GAL @ \$ 3.679/GAL \$35.78 99

*8-18-11*

Subtotal = \$37.38  
Tax = \$0.00  
Total = \$37.38

Change Due = \$0.00

Credit \$37.38

XXXX XXXX XXXX 0136, VISA  
INVOICE 174625  
AUTH 00-081862 REF 30002081811746  
SALE  
Batch: 30 Seq Num: 2  
Term ID: 1  
Workstation ID: 1  
WANT FREE GAS?  
REGISTER TO WIN AT WWW.GASVISIT.COM

Any Problems Call  
(626) 440-0684

**Chevron Stations**

CHEVRON CSI 1891  
EQ1 S 1131 ADELPHI MANHATTAN BEACH CA  
ST# 00697608

CARD NOT CHARGED UNTIL SALE COMPLETE  
FINAL RECEIPT PRINTS AT DISPENSER

*78031-402*

XXXXXXXXXXXX2592 E/MEX FLEET  
UNLEADED PUR/self  
Pump Price 33.6873993 839/H \$ 130.00

Items: 1 Subtotal 130.00

Tax 0.00  
Total 130.00

Credit Card(USD\$) \$130.00

Auth#: 229498

ID: 00083659

\*\*\* Customer Copy \*\*\*

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

1051433e8s1009t1 08/11/11 05:47:30

Thank you for  
shopping at Chevron

MANHATTAN BEACH, CA  
STN 00697608  
08/11/11 05:54:47  
MEX FLEET  
XXXXXXXXXXXX2592  
Incoloft 0872104  
Auth# 229498  
Ref # 228498  
\* FINAL RECEIPT \*  
Card changed only  
total shown below.  
Pump# 4  
32.4256 @ \$ 3.859/G  
UNLE/5:14 \$ 125.13  
Total \$125.13  
See application  
about how to EARN  
REWARDS with a  
Chevron and Texaco  
Personal  
Credit Card!  
THANK YOU FOR  
CHOOSING CHEVRON

*Note: Lost Chevron  
Receipt - 13 gal -  
53.90 Est  
6 Havelup  
but A card -  
208-13081*

# INVOICE

NO.

INVOICE DATE

8-9-11

CUSTOMER'S  
ORDER NO.

MC FUELS

SOLD TO:

ARB, inc

SHIP TO:

NRG Power Plant

EL SEGUNDO, CA

SALESPERSON

SHIPPED VIA

SHIP DATE

TERMS

F.O.B.

QTY. ORDERED	QTY. SHIPPED	DESCRIPTION	UNIT	AMOUNT
1		LABOR Fee		65-
	142.6	DYED DIESEL #2 - Gallons TOML		3.60
		EQUIPMENT		
		1 LIA		
		1 GENERATOR		
		1 GATROL		
		1- WELDER		
		Company		
		Jim Leuce		

# INVOICE

NO.

INVOICE DATE	8-16-11
CUSTOMER'S ORDER NO.	

MC FUELS

SOLD TO:	ARB, inc

SHIP TO:	NR6 Power Plant
	EL SEGUNDO CA

SALESPERSON	SHIPPED VIA	SHIP DATE	TERMS	F.O.B.

QTY. ORDERED	QTY. SHIPPED	DESCRIPTION	UNIT	AMOUNT
		LABOR Fee		65
128.8		TOTA DIZED DIESEL #2 FUEL EQUIPMENT		
		1 LIFT		
		1 WELDER		
118.3		Generator - DIZED DIESEL #2 2-1090 HOURS		
		1 GOAT		

*[Handwritten signatures and initials]*

**APPENDIX B**  
**COPIES OF CARB PORTABLE EQUIPMENT REGISTRATIONS**

The following PERP equipment was used at the project during the month of August 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>
Duthie Power Services	Internal Combustion Engine	146078	12/31/11

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

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

Contractor Name	Equipment Manufacturer	Equipment Type	Equipment Model	Engine Model Year <sup>1</sup>	Horsepower (HP)	EPA Engine Tier Level	CARB EIN	Onsite Arrival
<b><i>Equipment Brought Onsite in August 2011</i></b>								
LVI	Dynapac	Roller	CA362D	2008	150	Tier 3	YG8Y55	08/29/11
ARB	CASE	Tractor/Loader/Backhoe	580_SM-SERIES_3	2010	97	Tier 4	KV5Y73	08/19/11
LVI	Takeuchi	Excavator	TB235C	2010	30	Tier 4	HL4H79	08/19/11
PMI	JCB	Tractor/Loader/Backhoe	3CX	2009	84	Tier 4	YV7K63	08/11/11
Granite	Deere	Skid Steer Loader	323DT	2010	62	Tier 3	AJ8K59	08/09/11
Malcolm	Caterpillar	Rough Terrain Forklift	TL1255	2011	141	Tier 3	HC7S45	08/08/11
Malcolm	JLG	Rough Terrain Forklift	G1255A	2007	157	Tier 3	KX5W58	08/03/11
Granite	Sakai	Roller	SW652-1	2008	74	Tier 3	NN6G77	08/03/11
Granite	Cedarapids	Paver	CR552RX	2007	260	Tier 3	SB5T94	08/03/11
<b><i>Equipment Continuing Onsite in August 2011</i></b>								
Granite	Deere	Tractors/Loader/Backhoes	210LJ	2010	84	Tier 4	JC3X37	07/27/11
Granite	Volvo	Roller	DD90HF	2011	130	Tier 3	EW3L59	07/27/11
Granite	Caterpillar	Excavator	325DL	2007	216	Tier 3	NN7T85	07/27/11
PMI	JLG	Forklift	10054	2007	87	Tier 3	EB3Y49	07/25/11
PMI	Genie	Rough Terrain Forklift	GTH-1056	2011	139	Tier 3	VU4U98	06/24/11
ARB	Sky Track	Forklift	10K	2007	110	Tier 3	RA7A36	06/24/11
LVI Services	Takeuchi	Skid Steer Loader	TL240C	2011	87	Tier 4	TJ7F47	06/16/11
LVI Services	HAMM	Roller	3410/SHELL	2011	134	Tier 3	GV3X88	06/10/11
LVI Services	Takeuchi	Skid Steer Loader	TL250C	2010	99	Tier 4	MF8M85	06/10/11

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

Contractor Name	Equipment Manufacturer	Equipment Type	Equipment Model	Engine Model Year <sup>1</sup>	Horsepower (HP)	EPA Engine Tier Level	CARB EIN	Onsite Arrival
PMI	JCB	Tractor/Loader/Backhoe	3CX-14	2011	100	Tier 3	SX5K47	06/09/11
PMI	Deere	Tractor/Loader/Backhoe	210LJ	2011	75	Tier 4	PE4R88	06/06/11
LVI Services	Dynapac	Roller	CA250D	2007	110	Tier 3	GG7M84	06/03/11
LVI Services	Deere	Dump Truck	400D	2008	422	Tier 3	FM6T89	06/02/11
LVI Services	Deere	Dump Truck	350D	2007	380	Tier 3	DK5F88	05/24/11
LVI Services	Caterpillar	Tractors/Loader/Backhoes	973C	2001	230	Tier 1 <sup>1</sup>	MK7N84	05/17/11
LVI Services	Caterpillar	Tractors/Loader/Backhoes	973C	2000	230	Tier 1 <sup>1</sup>	JC8Y37	02/09/11
LVI Services	Komatsu	Crawler/Tractor	D65EX-15EO	2006	207	Tier 3	UL5B58	02/04/11
LVI Services	Komatsu	Excavator	PC650LC5	1991	410	Tier 0 <sup>1</sup>	NK3X63	12/20/10
LVI Services	Hitachi	Excavator	ZX800	2004	456	Tier 2 <sup>1</sup>	NG4M34	12/02/10
LVI Services	Volvo	Excavator	EC460BLC	2006	316	Tier 3	SS3T35	08/26/10
LVI Services	Hitachi	Excavator	EX750-5	1994	446	Tier 0 <sup>1</sup>	JX6E89	08/26/10

**Notes:**

1. "Good Faith Effort" documentation was provided to the CEC Construction Project Manager (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  
AUGUST 2011**

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

September 4, 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.



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

.....  
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 August, 2011 in conjunction with the El Segundo Repowering Project. Briefly, earth-disturbing activities focused on but were not limited to: 1) the continuing demolition of concrete foundations and other substantial features under Units 1 and 2, 2) relocation of existing utilities throughout the site, and 3) removal of pavement in the tank farm. The work took place over a 23-day period between August 1 and 31, 2011.

Prior to the onset of earth-disturbing activities associated with the demolition program, JMA conducted Worker Environmental Awareness Program training (WEAP) on August 1, 15 and 26, 2011 for all new PMI, ARB and Granite Construction personnel participating in earth-disturbing activities. 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 August focused on the continuing removal of the foundations, footings, walls and contaminated materials (PCB) from the area once occupied by Units 1 and 2. This work was undertaken by LVI. PMI undertook trenching operations for utility relocation in the area between Units 3 & 4 and in the vicinity of the LVI demolition area. Granite Construction stripped pavement, removed vegetation and constructed a berm in the southeast corner of the facility (immediately north of 45<sup>th</sup> Avenue and below the Chevron gas station). All earth-disturbing activities took place within the boundaries of the NRG facility. ARB, while on-site, did not undertake any earth disturbing activities that required monitoring.

Demolition of the concrete structures and foundations was accomplished using numerous track excavators/hoes (fitted with buckets, hydraulic hammers and crushing jaws), 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 15-feet in depth.

Due to PCB laden soil in the LVI work area, access was restricted to the periphery of the excavation. Even so, fumes from the soil restricted access to the entire area on more than one occasion. When practical, monitoring of LVI'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. When allowed, the native ground surface was thoroughly inspected for any signs of buried prehistoric or historic deposits.

Earthwork undertaken in August was conducted by 1) LVI Services (LVI), under the direction of Mr. Kelly Arnold, LVI Foreman, 2) Professional Mechanical, Inc. (PMI), under the direction of Mr. George Hernandez, Foreman and 3) Granite Construction under the direction of Mr. Hector Montano (Foreman). JMA's Cultural Resource Monitors (CRMs') for the month of August were John Minch, Jessica Colston, Rebekka Knierim, April Shand and Richard Guttenberg 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 August was conducted under the auspices of Mr. Scott Seipel (SGI Senior Hydrogeologist) and NRG Construction Manager, Mr. David Michelsen.

## **FINDINGS AND RECOMMENDATIONS**

On August 5, while clearing vegetation on a west-facing slope in the southeast corner of the facility, a small area of suspected historic debris was encountered. The area measured approximately 3 x 4-feet and contained a number of items such as intact and fragmented bone, two glass bottles, metal fragments, etc. The area, which was on a steep slope below the Chevron gas station, was flagged off and work at the location was temporarily halted. Immediately it was determined that the bones and fragments were not human but from a small animal.

On August 15, the Project CRS, Laura White along with Robert White, Richard Guttenberg and the designated CRM, April Shand, revisited the location. Initially, it was believed that this was a small deposit of historic material but it was quickly determined that the material comprised "slope wash" originating from the pad situated at the top of the slope (location of Chevron gas station). All of the finds were on or just under the ground surface and no subsurface deposit is present at the location. All of the finds were collected. It was decided that no further work in conjunction with cultural resources was required and the subcontractor could resume activities at this location when desired.

On August 9, a single, intact fire brick was recovered from the LVI demolition area. Marked MEX-KO with the dimensions listed beneath the name (2 1/2 x 4 1/2 x 13 1/2,) it is a large fire brick made by the A.P Green Fire Brick Company of Mexico, Missouri. A.P. Green had offices in San Francisco and their products were common in California. Bricks such as these were manufactured from 1929 to 1942.

On August 16 a small fragment of a second MEX-KO fire brick and another fragment with the partial name "PALL" were recovered from the LVI work area. Age of the "PALL" brick fragment and the manufacturer has yet to be determined. Neither the intact brick or brick fragments are considered significant finds as they offer little additional research potential. Consequently, despite thorough and systematic monitoring of the operation, no significant prehistoric or historic finds were made in conjunction with the demolition and utility relocation programs.



**Plate I. Top:** LVI in progress of filling “forebay” structure with slurry.  
**Bottom:** Southeasterly view of LVI grading new southwest building pad.



**Plate II. Top:** Westerly view from southern border at PMI utility relocation pot hole.  
**Bottom:** Northerly view of LVI clearing north section of east wall.



**Plate III. Top:** Close-up of MEX-KO fire brick manufactured by A.P. Green Fire Brick Co. **Bottom:** Partial MEX-KO fire brick and a second partial brick of unknown manufacture.



August 15, 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, August 8 through 12, 2011**

Dear Mr. Piantka:

Enumerated below are the highpoints of the Cultural Resources Monitoring Program for the week of August 8 through 12, 2011:

Monday, 8/8

JMA's designated cultural/paleontological monitor April Shand on-site today. LVI working in the northwest portion of the demo area. Soil contaminated. No finds made today.

Tuesday, 8/9

JMA's designated cultural/paleontological monitor April Shand on-site today. LVI continues to work in the southwest corner of the northern quadrant of the demo area. Soil is very contaminated. A single, intact fire brick (MEX-KO) was recovered outside of the exclusion area. Find not considered significant.

Wednesday, 8/10

JMA's designated cultural/paleontological monitor April Shand on-site today. LVI continues to work in contaminated soil within the demo area. No finds made today.

Thursday, 8/11

JMA's designated cultural/paleontological monitor April Shand on-site today. Granite removing asphalt in the southeast corner of the plant. PMI conducting utility relocation near berms. No finds made today.

Friday, 8/12

JMA's designated cultural/paleontological monitor April Shand on-site today. LVI working in the contaminated soil area. Granite removing south end wall and corner parking lot. No finds made today.

Despite careful and thorough inspection of the excavation and all associated spoils, no prehistoric finds and no significant historic finds were made during the week of 8/8-8/12, 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:nrgweeklyaugust15,2011



August 22, 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, August 15 through 22, 2011**

Dear Mr. Piantka:

Enumerated below are the highpoints of the Cultural Resources Monitoring Program for the week of August 15 through 19, 2011:

Monday, 8/15

JMA's designated cultural/paleontological monitor April Shand on-site today. PMI excavating electrical trench on south side of facility. No finds made today.

Tuesday, 8/16

JMA's designated cultural/paleontological monitor April Shand on-site today. LVI continues to work within the demo area. Recovered two fire brick fragments outside the exclusion area. One is a MEX-KO then other a partial name "PALL". Neither is considered significant. PMI trenching in parking lot and along east wall.

Wednesday, 8/17

JMA's designated cultural/paleontological monitor April Shand on-site today. PMI continuing to excavate in the east wall area. No finds made today.

Thursday, 8/18

JMA's designated cultural/paleontological monitor April Shand on-site today. LVI excavating in the east wall area in the southeast portion of the northern demo area. No finds made today.

Friday, 8/19

JMA's designated cultural/paleontological monitor April Shand on-site today. LVI has a track hoe excavating in the northeast portion of the demo area. LVI is also compacting large mound of fill material in the same area. No finds made today.

Despite careful and thorough inspection of the excavation and all associated spoils, no prehistoric finds and no significant historic finds were made during the week of 8/15-8/19, 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:nrgweeklyaugust22,2011



August 29 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, August 22 through 26, 2011**

Dear Mr. Piantka:

Enumerated below are the highpoints of the Cultural Resources Monitoring Program for the week of August 22 through 26, 2011:

Monday, 8/22

JMA's designated cultural/paleontological monitor April Shand on-site today. LVI has three track hoes operating in the eastern half of the north demolition area clearing for compaction. PMI is continuing to trench in the roadway. No finds made today.

Tuesday, 8/23

JMA's designated cultural/paleontological monitor April Shand on-site today. LVI moving spoils from one area to another. PMI continues to trench in roadway. No finds made today.

Wednesday, 8/24

JMA's designated PRS and cultural/paleontological monitor John Minch on-site today. Filling and compacting in demo area. Pouring cement foundations. PMI excavating in area between Units 3 & 4 using backhoe and hand labor. Slow going. No finds made today.

Thursday, 8/25

JMA's designated cultural/paleontological monitor April Shand on-site today. PMI excavating in south trench. Bottle base recovered, appears modern. No finds made today.

Friday, 8/26

JMA's designated cultural/paleontological monitor April Shand on-site today. LVI excavating in the southeast portion of the northern demo area. PMI is digging the south section of trench from 4 feet in depth to 10-feet. 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 8/22-8/26, 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:nrgweeklyaugust29,2011



August 8, 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, August 1 through 5, 2011**

Dear Mr. Piantka:

Enumerated below are the highpoints of the Cultural Resources Monitoring Program for the week of August 1 through 5, 2011:

Monday, 8/1

JMA's designated cultural/paleontological monitor Jessica Colston on-site today. LVI working in the southeast and southwest portion of the demo area in preparation of backfilling the fore-bay. No finds made today.

Tuesday, 8/2

JMA's designated cultural/paleontological monitor Jessica Colston on-site today. LVI and PMI working in the southern half of the demo area. No finds made today.

Wednesday, 8/3

JMA's designated cultural/paleontological monitor Jessica Colston on-site today. LVI and PMI working in the northwestern, northeastern and central portion of the demo area once occupied by Units 1 & 2. No finds made today.

Thursday, 8/4

JMA's designated cultural/paleontological monitor Richard Guttenberg on-site today. LVI has two track hoes undertaking removals in the southwest portion of the demo area. Large drilling rig augering for I-beam placement on east side of the LVI yard parallel to Vista del Mar. No finds made today.

Friday, 8/5

JMA's designated cultural/paleontological monitor Rebekka Knierim on-site today. LVI employing track hoes, backhoes, bobcats, compactors and dump trucks in demo area. Contaminated soil in this area. Granite constructing berm in the southeast corner of the facility.

During vegetation clearing several bones and bone fragments, bottle glass, and two intact bottles found on the west-facing slope above the tank farm. Some other debris as well. Bones are animal, not human. The significance of the finds is presently unknown. Further investigation and analysis needed.

Despite careful and thorough inspection of the excavation and all associated spoils, no prehistoric finds were made during the week of 8/1-8/5, 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:nrgweeklyaugust8,2011



September 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, August 29 through 31, 2011**

Dear Mr. Piantka:

Enumerated below are the highpoints of the Cultural Resources Monitoring Program for the week of August 29 through 31, 2011:

Monday, 8/29

JMA's designated cultural/paleontological monitor April Shand on-site today. LVI excavating in the southerly portion of the north demolition area. PMI continuing trenching in the south section. No finds made today.

Tuesday, 8/30

JMA's designated cultural/paleontological monitor April Shand on-site today. LVI excavating the balance of the southeast portion of the north demo area. PMI hand excavating in existing trench. No finds made today.

Wednesday, 8/31

JMA's designated cultural/paleontological monitor April Shand on-site today. LVI finishing excavation in the southerly portion of the north demolition area. LVI is now completely finished and will leave the project. PMI continues to excavate in existing trench. ARB is slated to move in as soon as possible. Granite Construction to begin work in earnest once the required permits are obtained. 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 8/29-8/31, 2011.

Very truly yours,

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

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

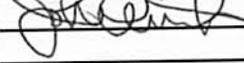
RSW/LSW:nrgweeklyseptember 3,2011

## 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.	Sean Moyna	ARB	
2.	Vicente Tinajero	ARB	
3.			
4.			
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30.			

Cul Trainer: Laura S. White Signature:  Date: 8/26/11  
 Paleo Trainer: John Minch Signature:  Date: 1/1/  
 Bio Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: 1/1/

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



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

August 31, 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 August 2011**

JMA monitored ground disturbing construction activities during the month of August for the El Segundo Power Redevelopment Project. Dates included twenty-three full and part time days, 8/1-5, 8/8-12, 8/15-19, 8/22-26 and 8/29-31 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. Three WEAP training sessions were conducted on August 1<sup>st</sup>, 15<sup>th</sup>, and 26<sup>th</sup>.

The PRS is Dr. John A. Minch. The PRMs were Richard Guttenberg, Jessica Colston, Rebekka Knierim, April Shand, and John Minch who monitored the construction activities during the month.

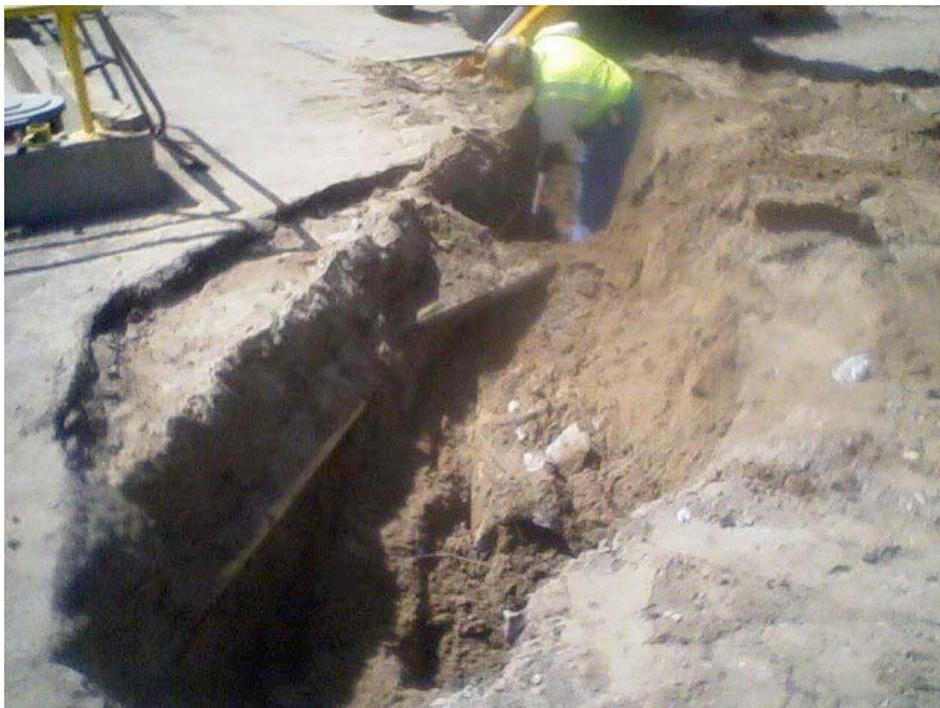
The monthly grading activities consisted of (1) breaking up and removal of various concrete slabs, and deep foundations with front loader, track-hoes, track-hoe mounted Impact hammers and crushing of the foundation material to remove rebar and other metal objects by a track-hoe with a jaw crusher. (2) Utility trenching south of units 3&4 near the modular trailers with a backhoe and hand labor. Shoring is being used in the trenches, and (3) slope preparation at the south end by the tank farm,

The foundation removal 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 forebeach and dune environments. Scattered Mollusk specimens continue to be 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 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 August. 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.





ESPR Project  
 Docket OU-AFC-14C

WEAT Training 10/26/09  
 Sign In

<u>Name</u>	<u>Company</u>	<u>Contact Info</u>
George Piantka	NRG	george.Piantka@nrgenergy.com 766 716 2156
Bill Jones	PMI	925-382-9013
Robert DeFesa	PMI	562.318.8458
CHRIS MOULDEN	PMI	CMOULDEN@PERFMECH.COM 925-250-8711
TOM Richey	PMI	trichey@perfmech.com 925-250-8144
Bernabe Gonzalez	P.M.I	Bgonzales6@ca.rr.com 619)628-6847
John Grea	MonteCollins/PMI	dwcczle@zoho.com 714-872-2926
Eduin Minch	JMA	eminch@jma-ca.com 714-501-4163
Richard Guttenberg	JMA	rguttenberg@jma-ca.com 714-501-4165
John Minch	JMA	(916) 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	SAF	William.Collins@NRGONORG.COM
William Collins	NRG	Ken.Riesz@NRG-ENERGY.COM
KEN RIESE	NRG	(951) 244-1983
Laurie White	JMA	" "
Robert White	JMA	" "
Marc Kadis	NRG	marc.kadis@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>	NRG		<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: 67403

Training Date: 1/18/11

Facilitator: Robert White

Place/Room: Lunch Rm

Name	Company	Phone	Signature
Kelly Arnold	LVI		Kelly Arnold
STEVE STAPLETON	LVI		Steve Stapleton
ROBEN AGUILAR	LVI		Roben 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
Eric Escamilla	LVI		Eric Escamilla
Felipe Quiñones	LVI		FP
FR. JAVIER MENDIVIA	LVI		FR. JAVIER M.
Luis Cisneros	LVI		Luis Cisneros
Brian Valenzuela	LVI		B.V.
LORENZO RAMIREZ	LVI		Lorenzo Ramirez
Franc Sanabria			Frank Sanabria
JESUS V Hernandez	LVI		JV

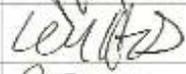
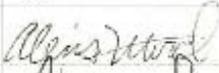
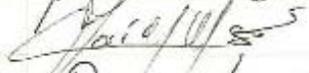
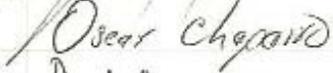
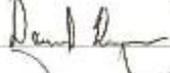
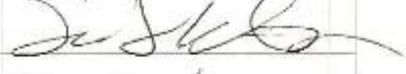
## JMA WEAP SIGN-IN SHEET

Project: 07-103

Training Date: 1/18/11

Facilitator: Robert White

Place/Room: Lunch Rm

Name	Company	Phone	Signature
Jaime Lopez	LVI		
Loriell Holmes	AECOM		
David Fog	AECOM		
Alexis Utrich	SGI		
Jose Soto	LVI		
Sosé M. Monter	LVI		
Oscar Chaparro	LVI		
David Kerecex	LVI		
JOSE J. VELASQUEZ	L.V.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	ESMAYZA
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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)**

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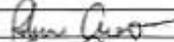
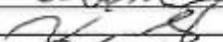
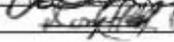
No.	Employee Name	Company	Signature
1.	STEVEN LUND	ARB, INC	
2.	Esteban Pina Jr.	ARB	
3.	JAMES BURNIE	ARB	
4.	Craig Jacobch	ARB (Bill's Backside)	
5.	Kenneth Cook	ARB	
6.	MICKEL BROWN	SIEMENS	
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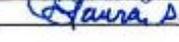
Cul Trainer: Laura A. White Signature: Laura A. White Date: 6/9/11  
 Paleo Trainer: Jan Michel Signature: Jan Michel Date: 6/9/11  
 Bio Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

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

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

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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**

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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 Gall	Granite	<i>Thomas Gall</i>
5.	Edmundo Torres	" "	<i>Edmundo Torres</i>
6.	Billy Cole Jr	Granite	<i>Billy Cole Jr</i>
7.	Hektor Mantano	" "	<i>Hektor Mantano</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>
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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)**

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No.	Employee Name	Company	Signature
1.	SKYE MORNINGSTAR	GRANITE	<i>SKYE MORNINGSTAR</i>
2.	Satorvino Sanchez	GRANITE	<i>Satorvino Sanchez</i>
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Cul Trainer: Laura S White Signature: Laura S. White Date: 8/1/11  
 Paleo Trainer: John March Signature: John March Date: 8/1/11  
 Bio Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: 1/1

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

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

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No.	Employee Name	Company	Signature
1.	CARLOS SUZMAN.	P MI	<i>[Signature]</i>
2.	JESUS ARANDA	P MI	<i>[Signature]</i>
3.	Rafael Dominguez	PMS	<i>[Signature]</i>
4.	Wesley Pankov	ARB	<i>[Signature]</i>
5.	GERMAN CARRILLO Sr	ARB	<i>[Signature]</i>
6.	German Carrillo Jr	ARB	<i>[Signature]</i>
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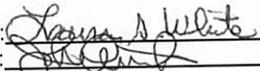
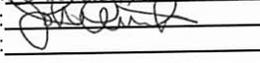
Cul Trainer: Laura S. White Signature: *[Signature]* Date: 8/15/11  
 PaleoTrainer: John Minch Signature: *[Signature]* Date: 8/15/11  
 Bio Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

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

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

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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  
 Paleo Trainer: John Minch Signature:  Date: 1/1/  
 Bio Trainer: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: 1/1/

**ATTACHMENT E  
COMPLIANCE-6  
NOTIFICATIONS AND PERMITS  
AUGUST 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

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		Jade Katsuda	Company	AECOM	Phone # (714) 688-7267	
Date	8/8/11	Check #	Amount	\$53.89	Project # 60188888	
NOTIFICATION TYPE (check one only)		Original (Initial) <input checked="" type="checkbox"/>	Revision (prior reference #) <input checked="" type="checkbox"/>		Cancellation (prior reference #) <input type="checkbox"/>	
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 checked="" type="checkbox"/>	<sup>2</sup> R1166 Reporting > 50 ppm VOC Soil <input 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):			AECOM Technology Corp.		<sup>2</sup> R1166 Plan Number: 518793	
<sup>2</sup> R1166 - Date & time of VOC > 50 or 1000 ppm exceedance:				Highest VOC reading in ppm:		
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 #	15841	CSL License #	Phone # (818) 339-2633	
Name	Performance Mechanical, Inc.		Address		701 Willow Pass RD	
City	Pittsburg	Zip	94565	Site supv name & phone # George Hernandez (818) 339-2633		
SITE INFORMATION		Site Name	El Segundo Power, LLC		Site AQMD ID # 115863	
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 8/8/11	
COMMENTS						

(REVISE START DATE)  
 \* 282414

10 # 15991



## 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  
 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 #	282438 (REVISE START DATE)
COMPLETED BY		Jade Katsuda	Company	AECOM	Phone #	(714) 688-7267
Date	8/8/11	Check #	Amount	\$53.89	Project #	60188888
NOTIFICATION TYPE (check one only)	Original (Initial) <input checked="" type="checkbox"/>	Revision (prior reference #) <input checked="" type="checkbox"/>	Cancellation (prior reference #) <input type="checkbox"/>			
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 checked="" type="checkbox"/>	<sup>2</sup> R1166 Reporting > 50 ppm VOC Soil <input type="checkbox"/>	<sup>2</sup> R1166 Reporting > 1000 ppm VOC Soil <input type="checkbox"/>	* 282415
<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:					Highest VOC reading in ppm:	
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 #	128210	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 #	115663
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 8/8/11
COMMENTS						



### 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

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 #	282440 (REVISE START DATE)
COMPLETED BY		Jade Katsuda	Company	AECOM	Phone #	(714) 888-7287
Date	8/8/11	Check #	Amount	\$53.89	Project #	60188888
NOTIFICATION TYPE (check one only)		Original (initial) <input checked="" type="checkbox"/>	Revision (prior reference #) <input checked="" type="checkbox"/>	Cancellation (prior reference #) <input type="checkbox"/>		
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 checked="" type="checkbox"/>	<sup>2</sup> R1166 Reporting > 50 ppm VOC Soil <input 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):				AECOM Technology Corp		<sup>2</sup> R1166 Plan Number: 518793
<sup>2</sup> R1166 - Date & time of VOC > 50 or 1000 ppm exceedance:					Highest VOC reading in ppm:	
PROJECT DATES	START	9/10/11	END	7/14/12	WORK SHIFT	day <input checked="" type="checkbox"/> swing <input type="checkbox"/> night <input type="checkbox"/>
SITE CONTRACTOR INFORMATION		AQMD ID #	127488	CSLB License #	Phone # (661) 726-4447	
Name	Granite Construction, Inc.		Address		380000 Monroe ST	
City	Indio	Zip	92201	Site supv name & phone #	Hektor Montano (661) 510-6475	
SITE INFORMATION		Site Name	El Segundo Power, LLC		Site AQMD ID #	115663
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 8/8/11
COMMENTS						

\* 282416



## 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

This form will be faxed back to you with a REFERENCE number if you provide a FAXBACK # here: **714689-7355**

AQMD USE ONLY		RECEIVED BY	POSTMARK		REFERENCE #	<b>282432</b>	(REVISE START DATE)
COMPLETED BY		Jade Katsuda	Company	AECOM	Phone #	(714) 689-7287	
Date	8/8/11	Check #	Amount	\$53.89	Project #	60188888	
NOTIFICATION TYPE (check one only)		Original (Initial) <input checked="" type="checkbox"/>	Revision (prior reference #) <input checked="" type="checkbox"/>		Cancellation (prior reference #) <input type="checkbox"/>		
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 checked="" type="checkbox"/>	<sup>2</sup> R1166 Reporting > 50 ppm VOC Soil <input 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):				AECOM Technology Corp.	<sup>2</sup> R1166 Plan Number:		518793
<sup>2</sup> R1166 - Date & time of VOC > 50 or 1000 ppm exceedance:						Highest VOC reading in ppm:	
PROJECT DATES		START	8/10/11	END	8/30/11	WORK SHIFT day <input checked="" type="checkbox"/> swing <input type="checkbox"/> night <input type="checkbox"/>	
SITE CONTRACTOR INFORMATION		AQMD ID #	80209	C5LB License #	Phone # (714) 639-7600		
Name		LVI Services, Inc.		Address		718 Hariton ST	
City		Orange	Zip	92868	Site supv name & phone #		Kelly Arnold (714) 639-7800
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	90246	Site contact name & phone #		George Pianka (760) 710-2156
TANK INFORMATION		# OF TANKS	EACH	CAPACITY (gals)	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 8/8/11	
COMMENTS							

282417  
 \*

28. THIS PLAN IS NOT VALID UNTIL ALL PARTIES HAVE REVIEWED AND SIGNED THE VERIFICATION STATEMENT BELOW.

Site Name El Segundo Power, LLC		Type of Business Energy Facility	
Address 301 Vista Del Mar BLVD	City El Segundo	Zip 90245	
Responsible Party (Owner/Operator) El Segundo Power, LLC		Phone 760.710.2156	
Address 301 Vista Del Mar, BLVD	City El Segundo	Zip 90245	

I CERTIFY THAT I HAVE REVIEWED AND UNDERSTAND THE CONDITIONS CONTAINED WITHIN THIS PLAN. IN SIGNING BELOW, I ACKNOWLEDGE THAT UNDER THE PROVISIONS OF RULE 1166, I CAN BE HELD RESPONSIBLE FOR THE REQUIREMENTS SET FORTH IN THIS PLAN.

Responsible Party El Segundo Power, LLC	Responsible Party Signature 	Date Signed 8/10/11
General Contractor Granite Construction	General Contractor Signature 	Date Signed 8/10/11
Excavation Contractor	Excavation Contractor Signature	Date Signed
Environmental Consultant AECOM	Environmental Consultant Signature 	Date Signed 8/10/11

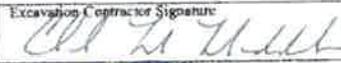
#### DEFINITIONS

<b>Excavation</b>	Is the process of digging out and removing materials including any material necessary to that process such as the digging out and removal of asphalt or concrete necessary to expose, dig out and remove known VOC contaminated soil.
<b>Organic Vapor Analyzer (OVA)</b>	For the purposes of this plan, an OVA is a hydrocarbon monitor utilizing flame ionization, photo ionization or other analytical methods complying with 40 CFR PART 60 APPENDIX A, EPA METHOD 21 SECTION 3, "DETERMINATION OF VOLATILE ORGANIC COMPOUND LEAKS, MONITORING INSTRUMENT SPECIFICATIONS. The monitor shall be capable of being calibrated using hexane at a range of 0 parts per million by volume (PPMV) to 50 PPMV, and at a detection range of at least 30 PPMV to 1100 PPMV
<b>Sensitive Receptor</b>	A sensitive receptor is defined as: Schools (Kinder-garden through grade 12), licensed daycare centers, hospitals and convalescent homes.
<b>Responsible Party</b>	For the purposes of this plan, is the party financially responsible for initiating the excavation. This may include the property owner or the operator of the transfer, storage equipment. This excludes contractors working for the property owner or operator, and any other party that lacks the direct authority to immediately treat all VOC contaminated soils generated at the excavation site.
<b>VOC Contaminated Soil</b>	Is soil that registers a concentration of 50 PPM or greater of volatile organic compounds as measured before suppression materials have been applied and at a distance of no more than three inches from the surface of the excavated soil with an organic vapor analyzer calibrated with hexane.

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Responsible Party El Segundo Power, LLC	Responsible Party Signature 	Date Signed 8/10/11
General Contractor	General Contractor Signature	Date Signed
Excavation Contractor LYE FACILITY SERVICES	Excavation Contractor Signature 	Date Signed 8/09/2011
Environmental Consultant AECOM	Environmental Consultant Signature 	Date Signed 8/9/11

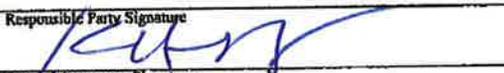
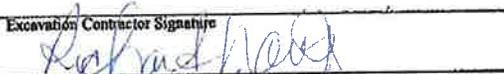
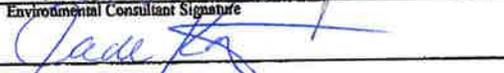
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Address 301 Vista Del Mar BLVD		City El Segundo	Zip 90245
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Address 301 Vista Del Mar, BLVD		City El Segundo	Zip 90245

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Responsible Party El Segundo Power, LLC	Responsible Party Signature 	Date Signed 8/10/11
General Contractor	General Contractor Signature	Date Signed
Excavation Contractor Performance Mechanical, Inc	Excavation Contractor Signature 	Date Signed 8/9/10
Environmental Consultant AECOM	Environmental Consultant Signature 	Date Signed 8/9/11

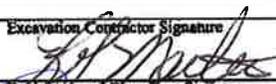
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Responsible Party El Segundo Power, LLC	Responsible Party Signature 	Date Signed 8/10/11
General Contractor	General Contractor Signature	Date Signed
Excavation Contractor ARB, INC	Excavation Contractor Signature 	Date Signed 8/10/11
Environmental Consultant AECOM	Environmental Consultant Signature 	Date Signed 8/10/11

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# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178  
(909) 396-2000 • www.aqmd.gov

July 15, 2011

Mr. Keith Richards, President  
NRG West  
1817 Aston Avenue Suite 104  
Carlsbad, CA 92008

**SUBJECT:** El Segundo Power, LLC, RECLAIM/Title V Facility Permit Revision  
(Facility ID: 115663), Located at 301 Vista Del Mar, El Segundo CA.

Dear Mr. Richards:

Please find attached the revised Title Page, Table of Contents, and Section I of your RECLAIM/Title V Facility Permit. The proposed permit revision was submitted to EPA for 45-day review on May 24, 2011. EPA's review period ended on July 11, 2011 and no comments were made. This permit revision includes the addition of the following equipment:

Equipment	Appl. No.
Rule 1166 Soil Mitigation Plan	518793

Please review the attached sections carefully. Insert the enclosed sections into your RECLAIM/Title V Facility Permit and discard the earlier versions. Questions concerning changes to your permit should be directed to Mr. Kenneth L. Coats at (909) 396-2527.

Sincerely,

Brian L. Yeh  
Senior Manager  
Chemical, Mechanical and Public Services

BLY:Approval Letter  
Attachment

cc: Ed Pupka, AQMD

---

## FACILITY PERMIT TO OPERATE

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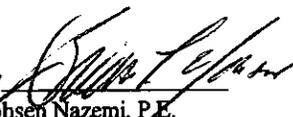
**EL SEGUNDO POWER, LLC  
301 VISTA DEL MAR  
EL SEGUNDO, CA 90245**

### NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env.  
EXECUTIVE OFFICER

By   
Mohsen Nazemi, P.E.  
Deputy Executive Officer  
Engineering & Compliance

**FACILITY PERMIT TO OPERATE  
EL SEGUNDO POWER, LLC**

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Section	Description	Revision #	Date Issued
A	Facility Information	9	01/18/2008
B	RECLAIM Annual Emission Allocation	19	01/01/2011
C	Facility Plot Plan	TO BE DEVELOPED	
D	Facility Description and Equipment Specific Conditions	17	06/02/2009
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I	Compliance Plans & Schedules	10	07/15/2011
J	Air Toxics	7	01/18/2008
K	Title V Administration	8	01/18/2008
Appendix			
A	NOx and SOx Emitting Equipment Exempt From Written Permit Pursuant to Rule 219	10	01/18/2008
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# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178  
(909) 396-2000 • www.aqmd.gov

**PLAN ISSUE DATE:**

**July 15, 2011**

**COMPANY I.D. #:** 115663

**MITIGATION PLAN #:** 518793

**Company:** El Segundo Power, LLC  
301 Del Mar Blvd.  
El Segundo, CA 90245

**Site:** Same as above.  
**Attn:** George Plantka  
**Phone:** (760) 710-2156

**Fax:** (760) 710-2158

## SITE SPECIFIC RULE 1166 CONTAMINATED SOIL MITIGATION PLAN

Reference is made to your Application (A/N 518793) for the excavation and handling of VOC-contaminated soil at 301 Del Mar Blvd., El Segundo, CA 90245 Site Address. In accordance with Rule 1166 (c), this plan is required prior to commencing excavation of any underground storage tank or transfer piping which has previously been used to store or transfer volatile organic compounds (VOC) and during the excavation, handling, or storage of VOC-contaminated soils.

The rights and privileges granted through the issuance of this plan are restricted exclusively to the plan holder to whom it was issued, and are non-transferable, even with the written or expressed consent of the plan holder listed above. No other excavation plan issued by the AQMD can be used at this site.

This plan has been approved under the provisions of Rule 1166 of the Rules and Regulations of the AQMD and is subject to the following conditions.

### PLAN CONDITIONS:

#### **SECTION I – GENERAL REQUIREMENTS**

1. THIS EXCAVATION PLAN SHALL EXPIRE JULY 14, 2012.
2. A SIGNED COPY OF THIS PLAN SHALL BE PRESENT AT THE EXCAVATION SITE AT ALL TIMES AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
3. THIS PLAN IS NOT VALID FOR THE EXCAVATION OF VOC CONTAMINATED SOILS AT LANDFILLS OR SITES USED FOR DISPOSAL OF REFUSE OR OTHER TYPES OF WASTE.

4. THIS PLAN SHALL NOT BE USED IN CONJUNCTION WITH ANY ON SITE TREATMENT PROCESS, WITHOUT ADDITIONAL EVALUATION BY THE AQMD. THIS PLAN DOES NOT ALLOW THE TREATMENT OF VOC-CONTAMINATED SOIL BY THERMAL, CHEMICAL, OR MECHANICAL PROCESSES. ANY OF THE ABOVE TREATMENT PROCESSES REQUIRES A PERMIT TO OPERATE FROM THE AQMD.
5. THE TOTAL QUANTITY OF VOC CONTAMINATED SOIL EXCAVATED UNDER THIS PLAN SHALL NOT EXCEED **50,000 CUBIC YARDS**. AT NO TIME SHALL THE TOTAL QUANTITY OF VOC CONTAMINATED SOIL STOCKPILED AT THIS SITE EXCEED **2,000 CUBIC YARDS**.
6. THE AQMD SHALL BE IMMEDIATELY NOTIFIED OF ANY COMPLAINTS RECEIVED AS A RESULT OF ACTIVITIES CONDUCTED UNDER THIS PLAN. SUCH NOTIFICATION SHALL INCLUDE THE NATURE OF THE COMPLAINT, NUMBER OF COMPLAINANTS, COMPLAINANT NAME, ADDRESS, PHONE NUMBER, ETC., AND THE ACTION TAKEN BY THE PLAN HOLDER TO MITIGATE THE SOURCE OF THE COMPLAINT.
7. A). DURING EACH STEP OF THE PROCESS UP TO AND INCLUDING THE REMOVAL AND DISPOSAL PROCESS, ALL PRECAUTIONS AND MEASURES SHALL BE TAKEN TO MINIMIZE THE RELEASE OF VOC, ODOR AND DUST. THIS INCLUDES BUT IS NOT LIMITED TO THE USE OF ADDITIONAL PLASTIC SHEETING OR SUPPRESSANTS ON EXPOSED SOIL SURFACES & WORK AREAS AND MAINTAINING PAVED PUBLIC STREETS FREE OF SOIL DEPOSITS.  
 B). VOC CONTAMINATED SOIL SHALL NOT BE SPREAD ON-SITE OR OFF-SITE. THIS INCLUDES ANY UNNECESSARY MOVEMENT OR AGITATION OF SOIL THAT MAY CAUSE THE UNCONTROLLED EVAPORATION OF VOC'S INTO THE ATMOSPHERE, INCLUDING THE RESHAPING OR RELOCATION OF STOCKPILES.

**SECTION II - PRIOR TO EXCAVATION**

8. A). AT LEAST **24 HOURS** PRIOR TO COMMENCING EXCAVATION OR GRADING OF SOIL AT THE SITE, THE EXECUTIVE OFFICER OR DESIGNEE SHALL BE NOTIFIED OF THE EXCAVATION BY FAX USING A FORM APPROVED BY THE EXECUTIVE OFFICER WHICH IS FULLY COMPLETED AND INCLUDING, THE NAME OF THE COMPANY PERFORMING THE EXCAVATION, AND THE APPLICATION NUMBER LISTED ON THIS MITIGATION PLAN. THE NOTIFICATION SHALL BE MADE BY FAXING THE NOTIFICATION FORM AT (909) 396-3342. FAX NOTIFICATIONS WILL RECEIVE A REFERENCE NUMBER BY RETURN FAX OR CAN BE OBTAINED REFERENCING THE FAX NOTIFICATION BY PHONE TUESDAY THROUGH FRIDAY DURING BUSINESS HOURS AT 909 396-2326. THE REFERENCE NUMBER SHALL BE RETAINED AS PROOF OF COMPLIANCE WITH THIS REQUIREMENT.

REFERENCE NO: \_\_\_\_\_ NOTIFICATION DATE: \_\_\_\_\_

B). AT LEAST **24 HOURS** PRIOR TO COMMENCING EXCAVATION OR GRADING OF SOIL AT THE SITE, ALL SENSITIVE RECEPTORS WITHIN 1,000 FEET FROM THE SITE SHALL BE NOTIFIED OF THE EXCAVATION BY LETTER USING A FORMAT APPROVED BY THE EXECUTIVE OFFICER WHICH INCLUDES THE NAME, ADDRESS AND PHONE NUMBER OF THE COMPANY PERFORMING THE EXCAVATION, THE DURATION OF THE EXCAVATION AND THE AQMD COMPLAINT HOTLINE NUMBER (909) 288-7664.

9. COMPLETE VERIFICATION INFORMATION IN CONDITION NO. 28 AND OBTAIN REQUIRED SIGNATURES, PRIOR TO COMMENCING EXCAVATION.

### **SECTION III - MONITORING**

10. DURING THE EXCAVATION PROCESS, AN ORGANIC VAPOR ANALYZER (OVA) SHALL BE ON SITE AT ALL TIMES. THE OVA SHALL BE MAINTAINED IN GOOD WORKING ORDER AT ALL TIMES, AND SHALL BE CALIBRATED BY THE MANUFACTURER AT LEAST ONCE EVERY THREE MONTHS. THE CALIBRATION OF THE OVA SHALL BE VERIFIED USING CERTIFIED CALIBRATION GAS AT THE BEGINNING OF EACH WORKING DAY WITH THE PROCEDURES SPECIFIED BY THE MANUFACTURER. IF A CALIBRATION GAS OTHER THAN HEXANE IS USED, EACH MEASURED READING SHALL BE CORRELATED TO AND EXPRESSED AS HEXANE, USING EQUIVALENCY FACTORS PROVIDED BY THE MANUFACTURER. IN THE EVENT THAT INCONSISTENT OR ERRATIC READINGS ARE EXPERIENCED, OR THE OVA BECOMES OTHERWISE INOPERABLE, ALL EXCAVATION ACTIVITIES WILL CEASE UNTIL THE OVA IS REPAIRED OR REPLACED.
11. ALL MONITORING SHALL BE CONDUCTED AT A DISTANCE NO MORE THAN 3 INCHES ABOVE THE SOIL SURFACE USING AN OVA DESCRIBED IN CONDITION NO. 10 ABOVE. MONITORING SHALL BE INITIALLY CONDUCTED AT A MINIMUM FREQUENCY OF ONE READING EVERY FIFTEEN MINUTES. UPON DETECTION OF VOC CONTAMINATION, MONITORING SHALL BE CONDUCTED AT A MINIMUM RATE OF ONE READING FOR EVERY FIVE CUBIC YARDS EXCAVATED. ALL READINGS SHALL BE TAKEN NO LATER THEN THREE (3) MINUTES AFTER EACH LOAD OF SOIL IS EXCAVATED.
12. ALL MONITORING SHALL BE CONDUCTED BY TRAINED PERSONNEL WHO ARE PROFICIENT IN THE USE OF THE HYDROCARBON MONITOR SELECTED FOR USE AT THIS SITE.
13. WRITTEN RECORDS OF OVA MONITORING AND CALIBRATIONS REQUIRED ABOVE SHALL BE KEPT IN A FORMAT APPROVED BY THE AQMD. THE APPROVED FORMAT IS INCLUDED ON PAGE 7 OF THIS PLAN. THE CERTIFICATION ON ALL RECORDS SHALL BE SIGNED AND DATED ON THE DAY THE MEASUREMENTS ARE OBSERVED.
14. UPON DETECTION OF VOC CONTAMINATED SOIL (READINGS 50 PPM OR GREATER), THE EXECUTIVE OFFICER OR DESIGNEE SHALL BE NOTIFIED WITHIN 24 HOURS OF THE FIRST DETECTION OF VOC CONTAMINATION. THE NOTIFICATION SHALL BE MADE BY FAXING THE NOTIFICATION FORM TO (909) 396-3342 OR CALLING (909) 396-2326. A REFERENCE NUMBER WILL BE FAXED BACK OR WILL BE ISSUED WHEN THE PHONE NOTIFICATION IS RECEIVED. ALL PHONE NOTIFICATIONS SHALL BE FOLLOWED BY MAILING THE NOTIFICATION FORM TO THE DISTRICT POSTMARKED WITHIN 48 HOURS. THE REFERENCE NUMBER WILL BE RETAINED AS PROOF OF COMPLIANCE WITH THIS REQUIREMENT.

REFERENCE NO: \_\_\_\_\_ NOTIFICATION DATE: \_\_\_\_\_

### **SECTION IV - HANDLING & STORAGE**

15. ALL VOC-CONTAMINATED SOIL BELOW 1000 PPM SHALL BE STOCKPILED, COVERED WITH PLASTIC SHEETING AND STORED SEPARATELY FROM NON-VOC-CONTAMINATED SOIL, OR IMMEDIATELY TRANSPORTED TO A TREATMENT FACILITY. CONTAMINATED SOIL ONCE EXCAVATED AND STOCKPILED WILL BE CONSIDERED CONTAMINATED AT ALL TIMES AND CANNOT BE BACKFILLED UNLESS TREATED TO LESS THAN 50 PPM LEVELS WITH PRIOR AQMD APPROVAL AND AQMD PERMITTED EQUIPMENT.
16. A VOC CONTAMINATED STOCKPILE SHALL NOT CONTAIN MORE THAN 500 CUBIC YARDS OF SOIL.
17. IF THE OVA MEASUREMENT SPECIFIED IN CONDITION NO. 11 IS GREATER THAN 50 PPMV, BUT LESS THAN 1000 PPM,
  - A) THE AFFECTED WORK AREA AND LOAD OF SOIL SHALL BE SPRAYED WITH WATER AND/OR APPROVED VAPOR SUPPRESSANT.
  - B) CONTAMINATED SOIL IN STOCKPILES SHALL BE COVERED WITH PLASTIC SHEETING WHICH OVERLAP A MINIMUM OF TWENTY FOUR INCHES AND ARE SECURED SO THAT NO PORTION OF THE CONTAMINATED SOIL IS EXPOSED TO THE ATMOSPHERE. IN THE

COURSE OF HANDLING THE STOCKPILE, ONLY THE WORKING FACE OF THE STOCKPILE MAY BE UNCOVERED.

18. IF THE OVA MEASUREMENT SPECIFIED IN CONDITION NO. 11 EQUALS OR IS GREATER THAN 1000 PPMV, NOTIFY THE DISTRICT IMMEDIATELY (WITHIN ONE HOUR) AT THE NUMBER SPECIFIED IN CONDITION # 8 AND,
  - A) THE AFFECTED SOIL AND WORKING AREA SHALL BE IMMEDIATELY SPRAYED WITH WATER OR AN APPROVED VAPOR SUPPRESSANT, AND EITHER:
  - B) THE CONTAMINATED SOIL EXCAVATED SHALL BE IMMEDIATELY PLACED IN AQMD APPROVED SEALED CONTAINERS, EQUIPPED WITH VAPOR TIGHT LIDS, OR,
  - C) THE SOIL EXCAVATED SHALL BE DIRECTLY LOADED IN TRUCKS, MOISTENED WITH ADDITIONAL WATER, COVERED, AND TRANSPORTED IMMEDIATELY OFF SITE TO AN APPROVED TREATMENT FACILITY, OR,
  - D) BY OTHER ALTERNATIVE STORAGE METHODS WITH PRIOR WRITTEN APPROVAL FROM THE AQMD.
19. DURING EXCAVATION, THE EXPOSED VOC CONTAMINATED SOIL SHALL BE RESTRICTED TO THE IMMEDIATE WORKING AREA OF THE STOCKPILE ONLY. ALL OTHER PORTIONS OF THE STOCKPILE SHALL BE COVERED WITH PLASTIC SHEETING, WITH SEAMS WHICH OVERLAP A MINIMUM OF TWENTY-FOUR (24) INCHES AND ARE SECURED WITH DUCT TAPE. ALL EXPOSED VOC-CONTAMINATED SOIL SURFACES (WORK FACE) SHALL BE KEPT MOIST WITH WATER OR OTHER APPROVED SUPPRESSANTS AT ALL TIMES, AND SHALL BE RE-COVERED DURING PERIODS OF INACTIVITY LONGER THAN ONE (1) HOUR. AT THE END OF EACH WORKING DAY, ALL STOCKPILES SHALL BE COMPLETELY COVERED AND SECURELY ANCHORED TO PREVENT ANY EXPOSURE OF SOIL TO THE ATMOSPHERE.
20. ONCE COVERED WITH PLASTIC SHEETING, STOCKPILES SHALL REMAIN COVERED AND UNDISTURBED UNTIL REMOVED FROM THE SITE.
21. SOIL MEASURED PURSUANT TO RULE 1166 AS VOC CONTAMINATED SOIL IS CONSIDERED, FROM THE TIME OF INITIAL MEASUREMENT ONWARD, AS VOC CONTAMINATED SOIL, FOR PURPOSES OF THIS PLAN, UNTIL THE SOIL IS TREATED PURSUANT TO AN APPROVED AQMD TREATMENT PROCESS.
22. DAILY INSPECTIONS SHALL BE CONDUCTED OF ALL COVERED VOC-CONTAMINATED STOCKPILES TO ENSURE THE INTEGRITY OF THE PLASTIC COVER. SUCH INSPECTIONS SHALL INCLUDE A VISUAL INSPECTION OF ALL SEAMS AND PLASTIC COVER SURFACES. ANY HOLES, TEARS OR ANY OTHER POTENTIAL SOURCES OF FUGITIVE VOC EMISSIONS SHALL BE REPAIRED IMMEDIATELY. DAILY RECORDS SHALL BE MAINTAINED TO ENSURE COMPLIANCE WITH THIS CONDITION.

***SECTION V - SOIL REMOVAL AND DISPOSAL***

23. ALL VOC-CONTAMINATED SOIL SHALL BE REMOVED FROM THE SITE WITHIN THIRTY (30) DAYS OF ITS EXCAVATION.

24. ALL VOC-CONTAMINATED SOIL REMOVED FROM THE SITE SHALL COMPLY WITH THE FOLLOWING:
- A). BE TRANSPORTED TO AN APPROVED TREATMENT/DISPOSAL FACILITY. IT SHALL BE THE RESPONSIBILITY OF THE PLAN HOLDER TO ENSURE THAT THE RECEIVING TREATMENT/DISPOSAL FACILITY HAS RECEIVED APPROVAL FROM THE APPROPRIATE ENVIRONMENTAL OVERSIGHT AGENCIES TO HANDLE AND TREAT VOC CONTAMINATED SOILS.
  - B). WHEN LOADING IS COMPLETED AND DURING TRANSPORTATION, NO EXCAVATED MATERIAL SHALL EXTEND ABOVE THE SIDES OR REAR OF THE TRUCK OR TRAILER.
  - C). PRIOR TO COVERING/TARPING, LOADED CONTAMINATED SOIL SHALL BE WETTED BY SPRAYING WITH MIST INHIBITORS.
  - D). THE TRUCK OR TRAILER SHALL BE COMPLETELY COVERED/TARPED PRIOR TO LEAVING THE SITE TO PREVENT PARTICULATE EMISSIONS TO THE ATMOSPHERE.
  - E). THE EXTERIOR OF THE TRUCKS (INCLUDING THE TIRES) SHALL BE CLEANED OFF PRIOR TO THE TRUCKS LEAVING THE EXCAVATION SITE.

#### **SECTION VI - RECORDS AND REPORTING**

25. A WRITTEN REPORT SHALL BE GENERATED WHICH INCLUDES:
- A) THE FACILITY SELECTED TO TREAT THE VOC-CONTAMINATED SOIL, QUANTITY OF SOIL REMOVED FROM SITE, STATUS OF EXCAVATION PIT, AND ANY VOC CONTAMINATED SOIL REMAINING ON SITE.
  - B) A BRIEF SUMMARY INDICATING IF ADDITIONAL CLEAN UP EFFORTS ARE NECESSARY, THE ADDITIONAL QUANTITY OF VOC CONTAMINATED SOILS TO BE EXCAVATED AND THE PROJECTED SCHEDULE OF THE EXCAVATION.
26. RECORDS OF DISPOSAL/TREATMENT OF VOC-CONTAMINATED SOIL SHALL BE MAINTAINED FOR A PERIOD OF TWO (2) YEARS AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
27. WITHIN **FORTY (40) DAYS** OF INITIAL DETECTION OF VOC-CONTAMINATION, THE WRITTEN RECORDS UNDER CONDITION NO. 22 AND WITHIN **THIRTY (30) DAYS** OF EXCAVATION PROJECT COMPLETION RECORDS UNDER CONDITION NOS. 13, 22, AND 25 SHALL BE SUBMITTED TO THE AQMD AT THE FOLLOWING ADDRESS.

SOUTH COAST AIR QUALITY MGMT DISTRICT  
ENGINEERING & COMPLIANCE DIVISION.  
RULE 1166 TOXICS AND WASTE MANAGEMENT SECTION  
21865 COPLEY DR.  
DIAMOND BAR, CA. 91765-4182

28. THIS PLAN IS NOT VALID UNTIL ALL PARTIES HAVE REVIEWED AND SIGNED THE VERIFICATION STATEMENT BELOW.

Site Name		Type of Business	
Address	City	Zip	
Responsible Party (Owner/Operator)			Phone
Address	City	Zip	

I CERTIFY THAT I HAVE REVIEWED AND UNDERSTAND THE CONDITIONS CONTAINED WITHIN THIS PLAN. IN SIGNING BELOW, I ACKNOWLEDGE THAT UNDER THE PROVISIONS OF RULE 1166, I CAN BE HELD RESPONSIBLE FOR THE REQUIREMENTS SET FORTH IN THIS PLAN.

Responsible Party	Responsible Party Signature	Date Signed
General Contractor	General Contractor Signature	Date Signed
Excavation Contractor	Excavation Contractor Signature	Date Signed
Environmental Consultant	Environmental Consultant Signature	Date Signed

**DEFINITIONS**

- Excavation** Is the process of digging out and removing materials including any material necessary to that process such as the digging out and removal of asphalt or concrete necessary to expose, dig out and remove known VOC contaminated soil.
- Organic Vapor Analyzer (OVA)** For the purposes of this plan, an OVA is an hydrocarbon monitor utilizing flame ionization, photo ionization or other analytical methods complying with 40 CFR PART 60 APPENDIX A, EPA METHOD 21 SECTION 3, "DETERMINATION OF VOLATILE ORGANIC COMPOUND LEAKS, MONITORING INSTRUMENT SPECIFICATIONS. The monitor shall be capable of being calibrated using hexane at a range of 0 parts per million by volume (PPMV) to 50 PPMV, and at a detection range of at least 30 PPMV to 1100 PPMV
- Sensitive Receptor** A sensitive receptor is defined as: Schools (Kinder-garden through grade 12), licensed daycare centers, hospitals and convalescent homes.
- Responsible Party** For the purposes of this plan, is the party financially responsible for initiating the excavation. This may include the property owner or the operator of the transfer, storage equipment. This excludes contractors working for the property owner or operator, and any other party that lacks the direct authority to immediately treat all VOC contaminated soils generated at the excavation site.
- VOC Contaminated Soil** Is soil that registers a concentration of 50 PPM or greater of volatile organic compounds as measured before suppression materials have been applied and at a distance of no more than three inches from the surface of the excavated soil with an organic vapor analyzer calibrated with hexane.

Volatile Organic Compound (VOC)

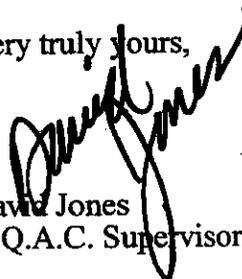
Is any volatile compound of carbon, excluding methane, carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, ammonium carbonate, and exempt compounds. Exempt compounds areas defined in Rule 102 - Definitions of Terms.

Once issued, this plan is subject to further review by the AQMD and may be revoked if excavation activities are found in violation of plan conditions or AQMD's Rules and Regulations. Failure to comply with one or more of the conditions contained within this plan constitutes a violation of Rules 221 and 1166.

Other governmental agencies may require approval before any excavation begins. It shall be the responsibility of the applicant to obtain that approval. The South Coast Air Quality Management District shall not be responsible or liable for any losses because of measures required or taken pursuant to the requirements of this approved 1166 Contaminated Soil Mitigation Plan.

If you have any questions concerning this plan, please call David Jones at (909) 396-2317.

Very truly yours,



David Jones  
A.Q.A.C. Supervisor

### Rule 1166 Soil Monitoring Records

ID No: 115663                      Plan No: 518793 <b>El Segundo Power, LLC</b> <b>301 Del Mar Blvd.</b> <b>El Segundo, CA 90245</b>	<b>Facility/Site Information</b>  
Reference No(s).	

Monitor Information	Calibration Data	Monitoring Personnel	Excavation Summary <small>(Upon completion of each page)</small>
Brand:	Gas:	Name:	Total Cubic Yds (This page)
Model:	Date:	Company:	Total Cubic Yds (To date)
Type:	By:	Phone:	Removed from Site (To date)

Time	VOC Concentration (PPMV) @ Excavated Load			Comment	Time	VOC Concentration (PPMV)@ Excavated Load			Comment
	Reading	Hexane Factor	Adjusted Reading			Every 15 min.	Reading	Hexane Factor	

I certify that the information contained in the above document is true and correct. I further certify that the above listed hydrocarbon monitor was operated in a manner consistent with the manufacturer's specifications and the conditions specified within this plan. In addition, I certify that the above readings represent the actual measurements I observed and recorded during the excavation process.

SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_

**RIGHT OF WAY  
CITY OF MANHATTAN BEACH**

PERMIT NO: RW11-0245  
 STATUS: ISSUED  
 DATE APPLIED: 08/08/2011  
 DATE ISSUED: 08/16/2011  
 FINAL:

JOB ADDRESS: 1 45TH ST MANB  
 LOCATION: NORTH SIDE OF THE STREET

For Inspection call: Roy Murphy 310-802-5306  
 \*\*\*48 Hrs. Advance Notice Required for inspection\*\*\*

APPLICANT: GRANITE CONSTRUCTION  
 CONTRACTOR:  
 ADDRESS:  
 CITY, STATE, ZIP:

PHONE NO: 716.467.0377  
 PHONE NO:  
 LIC #:

**EXCAVATION:**

Curb & Gutter	N	Sewer Line	N
Driveway Approach	N	Water Line	N
Undergrounding	N	Sidewalk	N
Other Exc 1			
Other Exc 2			
Excavation Permit Fee		\$0.00	
Excavation Fee (Per LF)	0	\$0.00	
Residential Sidewalk Repair		\$0.00	
Other Fee 1		\$0.00	
Clean Up Deposit		\$0.00	
Liquid Damages Deposit		\$0.00	
Other Fee 2		\$0.00	
After the Fact		\$0.00	

**TEMPORARY ENCROACHMENT:**

Pedestrian Canopy	N	Street Lane Closure	N
Storage of Materials	N	Crane	N
Temporary Fence	Y	Scaffolding	N
Other Enchr desc			

Temporary Encroachment Permit Fee	\$225.00
Inspection Fee	\$85.00
Street Lane Closure Fee	\$0.00
Clean Up Deposit	\$496.00
Other Enchr Fee	\$0.00
After the Fact	\$0.00

Imaging Fee	\$3.00
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TOTAL CALCULATED FEE	:	\$809.00
PAYMENTS	:	\$809.00
BALANCE DUE	:	\$0.00



## SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT NOTIFICATION OF DEMOLITION OR ASBESTOS REMOVAL

MAIL FORM AND FEE TO SCAQMD, ASBESTOS NOTIFICATIONS, FILE # 55641, LOS ANGELES CA 90074-5641

AQMD USE ONLY	SCREEN BY	RECEIVED	POSTMARK	ENTERED BY	NOTIFICATION #
COMPLETED BY	R. Mendiola	COMPANY	LVI Facility Services	PHONE	714.639.7600
DATE	08-29-2011	CHECK #	3554	FEE \$	53.89
				PROJECT #	251502 Revision # 1
NOTIFICATION TYPE	ORIGINAL	REVISION DATES	REVISION OTHER (highlight)	CANCELLATION	
PROJECT TYPE	DEMOLITION	ORDERED DEMOLITION	RENOVATION (removal)	EMERGENCY REMOVAL	PLANNED RENO (annual)
				Procedure 4 Plan	Procedure 5 Plan
SITE INFORMATION	SITE NAME NRG - El Segundo Power, LLC				
SITE ADDRESS	301 Vista Del Mar Boulevard			CROSS STREET	45 <sup>th</sup> Street and Vista Del Mar Blvd
CITY	El Segundo	STATE	CA	ZIP	90245
				COUNTY	Los Angeles
DESCRIBE WORK AND LOCATION	Demolition of (1) Transmission Tower from East Slope between Vista Del Mar & Plant Structures				
BUILDING SIZE (SQ FT)	2,600	NUMBER OF FLOORS	150' Tall	BUILDING AGE (YEARS)	50+
				NUMBER OF DWELLING UNITS	
BLDG PRIOR / PRESENT USE	COMMERCIAL	HOSPITAL	INDUSTRIAL	Other	OFFICE PUBLIC BLDG. HOUSE SCHOOL SHIP UNIV/COLLEGE
SITE OWNER	El Segundo Power, LLC		ADDRESS	301 Vista Del Mar Boulevard	
CITY	El Segundo	STATE	CA	ZIP	90245
				CONTACT	Marc Kodis
				PHONE	760-535-2119
REQUIRED BUILDING INFORMATION	ASBESTOS PRESENT?	YES	NO	ASBESTOS SURVEY?	YES NO
				ASBESTOS REMOVED?	YES NO
				BUILDING TO BE DEMOLISHED?	YES NO
PROJECT DATES	START	8/30/2011	9:00 PM	END	8/31/2011
					5:00 AM
					WORK SHIFT (day, swing, night) day
*ASBESTOS AMOUNT TO BE REMOVED - (in square feet)	FRIABLE	CLASS I	CLASS II	TOTAL AMOUNT (add row)	
*ASBESTOS REMOVAL FROM	SURFACES		PIPES	COMPONENTS	
*AMOUNT OF EACH TYPE OF ASBESTOS (in square feet)	ACOUSTIC CEILING	LINOLEUM	INSULATION	FIRE PROOFING	DUCTING
				STUCCO	MASTIC
FLOOR TILES	DRY WALL	PLASTER	TRANSITE	ROOFING	OTHER (describe)
CONTRACTOR INFORMATION	CSLB LICENSE #	518740	OSHA REG #	061	AQMD ID #
					80209
NAME	LVI Facility Services		ADDRESS	718 N. Hariton Street	
CITY	Orange	STATE	CA	ZIP	92868
				SITE SUPVR	Kelly Arnold
				PHONE	714-639-7600
WASTE TRANSPORTER #1	SA Recycling		LANDFILL	Terminal Island Facility	
ADDRESS	901 New Dock Street		ADDRESS	901 New Dock Street	
CITY	San Pedro	STATE	CA	ZIP	90731
				CITY	San Pedro
				STATE	CA
				ZIP	90731

\* Not required for demolition notifications  
Forms, instructions, and the Rule 1403 can be obtained from AQMD web site <http://www.aqmd.gov>

<sup>1</sup> asbestos surveys are required prior to Demolition and Renovation.  
Page 1 of 2

**SCAQMD NOTIFICATION OF DEMOLITION OR ASBESTOS REMOVAL**  
**MAIL FORM AND FEE TO SCAQMD, ASBESTOS NOTIFICATIONS, FILE # 55641, LOS ANGELES CA 90074-5641**

<b>WASTE TRANSPORTER #2</b>			<b>* WASTE STORAGE SITE</b>		
ADDRESS			ADDRESS		
CITY	STATE	ZIP	CITY	STATE	ZIP
<p><b>* CONTROLS:</b> DESCRIBE WORK PRACTICES AND CONTROLS TO BE USED AT THE RENOVATION AND DEMOLITION SITE. Procedure # 1, 2, 3, 4, 5 or Other.          For asbestos removals circle the combination of Rule 1403 procedures used. Procedure 4 and 5 submit plans for AQMD prior approval (See procedure 4/5 guidelines)</p>					
<p><b>* ASBESTOS DETECTION PROCEDURE:</b> Circle the procedures and analytical methods used to determine the presence of asbestos in the building. Survey, Bulk Sampling, <u>inspection</u>, RLM, PCM, TEM, Assumed as Asbestos-PACM, Describe Other (See survey guidelines checklist):</p>					
FOR DEMOLITIONS GIVE THE COMPANY NAME AND DATES OF THE ASBESTOS REMOVAL: LVI Facility Services 3/2/11 – 3/4/11					
FOR ORDERED DEMOLITION SEND A COPY OF THE ORDER AND GIVE THE AGENCY NAME & PHONE #					
AUTHORIZING PERSON:			TITLE		
DATE OF ORDER:			DATE ORDERED TO BEGIN:		
<p><b>* FOR EMERGENCY ASBESTOS REMOVAL</b> GIVE THE NAME AND PHONE NUMBER OF THE PERSON DECLARING/AUTHORIZING THE EMERGENCY, DATE AND HOUR OF EMERGENCY AND DESCRIBE THE SUDDEN, UNEXPECTED EVENT (<i>Disturbed /damaged asbestos requires a procedure 5 plan approval prior to clean-up</i>):</p> <p>EXPLAIN HOW THE EVENT WOULD CAUSE UNSAFE CONDITIONS, EQUIPMENT DAMAGE OR UNREASONABLE FINANCIAL BURDEN:</p>					
<p><b>CONTINGENCY PLAN:</b> DESCRIBE ACTIONS TO BE FOLLOWED IF UNEXPECTED ASBESTOS IS FOUND DURING DEMOLITION OR ASBESTOS MATERIAL BECOME DISTURBED, CRUMBLED, PULVERIZED, OR REDUCED TO POWDER. (<i>Disturbed /damaged asbestos requires a procedure 5 plan approval prior to clean-up</i>):  <u>Stop work, isolate area, institute control procedures, contact CAC and owner</u></p>					
<p><b>* TRAINING CERTIFICATION:</b> I certify that an individual trained in the provisions of regulation AQMD Rule 1403 and NESHAP will be on site during the removal and evidence that the required training has been accomplished by this person will be available for inspection during normal business hours.</p>					
LVI Facility Services	Rozanna Mendiola		Admin. Assistant	Date 8/29/2011	
<p><b>INFORMATION CERTIFICATION:</b> I certify that the above information is correct and I have enclosed any required attachments.</p>					
LVI Facility Services	Rozann Mendiola		Admin. Assistant	Date 8/29/2011	
<p>Notifications can not be accepted without the required fee (<u>Rule 301</u>). Asbestos removals of less than 100 square feet are exempt from notification and fees. Please make checks payable to "SCAQMD". Fees are per notification, not refundable, and vary according to the project size. Fees are as follows:</p>					
PROJECT SIZE in square feet		DEMOLITION OR REMOVAL		ADDITIONAL SERVICE CHARGES	
1,000 or less -----		\$ 53.15 -----		Special Handling Fee ---- \$ 53.15	
1,001 to 5,000 -----		\$ 162.49 -----		Revision to Notification - - \$ 53.15	
5,001 to 10,000 -----		\$ 380.33 -----		Returned Check Fee --- \$ 25.00	
10,001 to 50,000 -----		\$ 596.38 -----		Planned Renovation ---- \$ 596.38	
50,001 to 100,000 -----		\$ 864.30 -----		Procedure 4 or 5 Plan----- \$ 596.38	
100,001 or more -----		\$ 1,440.49 -----		Expedited 4 or 5 Plan..... \$ 298.19	
<p><b>ATTENTION:</b> Keep a copy of your notification. State law requires that you provide a copy of the demolition notification to Building and Safety before issuance of a demolition permit. For questions call 909-396-2336. Please mail the form and fee to AQMD. Mailing saves time, money and reduces traffic and air pollution</p>					

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

*Storm Water Construction Site Inspection Report*

General Information					
Client	NRG				
Project Name	El Segundo Power Plant				
WDID No.	4 19C345097	Location	Power Plant Site on Vista Del Mar		
Date of Inspection	08-01-11	Arrival Time	07:15 AM	Departure Time	09:15 AM
Project Contacts					
	Name and Company	Cell Phone	E-Mail	Certification	
Inspector(s)	Marcus Millett AECOM	(562) 673-9909	<a href="mailto:Marcus.millett@aecom.com">Marcus.millett@aecom.com</a>	PE, QSD/QSP	
Inspector(s)					
Client Contact/ Representative	George L. Piantka	(760) 707-6833	<a href="mailto:George.piantka@nrgenergy.com">George.piantka@nrgenergy.com</a>	PE	
<b>Type of Inspection:</b>					
<input checked="" type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event					
SWPPP Status					
<b>Does the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
<b>If no, describe:</b> Amendments Needed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Training Records Present/Up to Date: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Inspection Records Present/Up to Date: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Weather Information					
<b>Has there been a storm event since the last inspection?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>If yes, provide:</b> Storm Start Date & Time:                    Storm Duration (hrs):                    Approximate Amount of Precipitation (in):					
<b>Weather at time of inspection</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> Winds 7 mph from west <input type="checkbox"/> Other:                    Temperature: 69 degrees F.					
<b>Have any discharges occurred since the last inspection?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>If yes, describe:</b>					
<b>Were there any discharges at the time of inspection?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>If yes, describe:</b>					

**Correction Items Identified in Previous Inspection**

BMP No.	BMP	Location	Correction Measure	Issue Resolved
SE-6	Gravel bags	Storm drain inlet CB19. Northwest corner of administration trailers.	Replace broken gravel bags. Place cones around gravel bags. Corrected July 28, 2011. See photograph 1.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SE-8	Sandbag barrier	E-17, opposite tank farm entry road.	Replace broken sandbags. Broken sandbags identified in report 59 were replaced. However, new broken sandbags were observed in this location. See photographs 2 and 3.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SE-10	Storm Drain Inlet Protection	Storm drain inlet CB16 east of plant.	Missing filter fabric in storm drain inlet identified in report 59 was not replaced. See photograph 4.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
SE-10	Storm Drain Inlet Protection	Storm drain inlet CB17 northwest of plant.	Missing filter fabric in storm drain inlet identified in report 59 was replaced on July 28, 2011. See photograph 5.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SE-10	Storm Drain Inlet Protection	Storm drain inlet CB11 at southwest construction gate.	Contractor observed washing sediment into storm drain inlet with hose. Inlet is not connected. Contractors advised that this practice is unacceptable. Dry cleaning methods (e.g. broom, street sweeping) should be used. No additional observations of washing sediment into storm drain inlets were made.	<input checked="" type="checkbox"/> Yes <input 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. Southwest corner of site by storm drain inlet.	1. Replace broken gravel bags. See photograph 6.
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. E-17, opposite tank farm access road 2. Power plant entry road. 3. E17, Tank farm entry road.	1. Replace broken sandbags. Broken sandbags identified in report 59 were replaced. However, new broken sandbags were observed in this location. See photographs 2 and 3. 2. Place additional sandbags at toe of excavation. 3 – 4 additional sandbags along edge of asphalt, and 2 – 3 additional sandbags behind asphalt curb. See photograph 7. 3. Replace broken sandbags. See photograph 8.
SE-10	Storm Drain Inlet Protection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1. Storm drain inlet CB16 east of plant.	1. Missing filter fabric in storm drain inlet identified in report 59 was not replaced. See photograph 4.
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		

BMP No.	BMP	BMP Maintenance Required?	Location (See Note)	Corrective Action Needed and Notes (Include photos, if any)
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: 08-02-11

## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 1

**Location:** Storm drain inlet CB19. Northwest corner of administration trailers.

**Description:** Broken gravel bags identified in report 59 were replaced, and cones placed around gravel bags on July 28, 2011.



## Stormwater Construction Site Photo Log

PHOTOGRAPHS  
NO. 2 AND 3

**Location:** E-17,  
opposite tank farm  
entry road.

**Description:**  
Replace broken  
sandbags. Broken  
sandbags identified  
in report 59 were  
replaced. However,  
new broken  
sandbags were  
observed in this  
location.



## Stormwater Construction Site Photo Log

**PHOTOGRAPH  
NO. 4**

**Location:** Storm  
drain inlet CB16  
east of plant.

**Description:**  
Missing filter fabric  
in storm drain inlet  
identified in report  
59 was not  
replaced.



## Stormwater Construction Site Photo Log

**PHOTOGRAPH  
NO. 5**

**Location:** Storm  
drain inlet CB17  
northwest of plant.

**Description:**  
Missing filter fabric  
in storm drain inlet  
identified in report  
59 was replaced on  
July 28, 2011.



## Stormwater Construction Site Photo Log

**PHOTOGRAPH  
NO. 6**

**Location:**  
Southwest corner  
of site by storm  
drain inlet.

**Description:**  
Replace broken  
gravel bags.



## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 7

**Location:** Power plant entry road.

**Description:** Place additional sandbags at toe of excavation. 3 – 4 additional sandbags along edge of asphalt, and 2 – 3 additional sandbags behind asphalt curb.



Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 8

**Location:** E17,  
Tank farm entry  
road.

**Description:**  
Replace broken  
sandbags.



*Storm Water Construction Site Inspection Report*

General Information					
Client	NRG				
Project Name	El Segundo Power Plant				
WDID No.	4 19C345097	Location	Power Plant Site on Vista Del Mar		
Date of Inspection	08-16-11	Arrival Time	07:15 AM	Departure Time	09:15 AM
Project Contacts					
	Name and Company	Cell Phone	E-Mail	Certification	
Inspector(s)	Marcus Millett AECOM	(562) 673-9909	<a href="mailto:Marcus.millett@aecom.com">Marcus.millett@aecom.com</a>	PE, QSD/QSP	
Inspector(s)					
Client Contact/ Representative	George L. Piantka	(760) 707-6833	<a href="mailto:George.piantka@nrgenergy.com">George.piantka@nrgenergy.com</a>	PE	
<b>Type of Inspection:</b>					
<input checked="" type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event					
SWPPP Status					
<b>Does the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
If no, describe:					
Amendments Needed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Training Records Present/Up to Date: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Inspection Records Present/Up to Date: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Weather Information					
<b>Has there been a storm event since the last inspection?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
If yes, provide:					
Storm Start Date & Time:                    Storm Duration (hrs):                    Approximate Amount of Precipitation (in):					
<b>Weather at time of inspection</b>					
<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input checked="" type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> Winds from West at 10mph					
<input type="checkbox"/> Other:                    Temperature: 68 degrees F.					
<b>Is a qualifying rain event (0.5" rain; 48 hours or more between events) predicted?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
<b>Summarize forecast:</b>					
Mostly sunny with temperatures steady near 72 degrees F. Winds from West at 5 to 10 mph.					

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

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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 of site by the storm drain inlet.	Replace broken gravel bags. Gravel bags identified in report 61 were not replaced. See photograph 1.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
SE-6	Gravel bags	CB19. Northwest corner of administration trailers.	Replace broken gravel bags. Broken gravel bags identified in report 61 were replaced. See photograph 2.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SE-6	Gravel bags	North side of construction trailer area.	Place gravel bags in front of gate. No gravel bags were placed in front of gate at the time of inspection. See photograph 3.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
SE-8	Sandbag barrier	E17. Opposite tank farm access road.	Replace broken sandbags. Broken sandbags identified in report 61 were replaced. See photograph 4.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SE-8	Sandbag barrier	E17. Tank farm access road.	Replace broken sandbags. Broken sandbags identified in report 61 were replaced. See photograph 5.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SE-10	Storm drain inlet protection	Storm drain inlet CB16 east of units 3 and 4.	Missing filter fabric identified in report 61 was not replaced. See photograph 6.	<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. Southwest corner of site by storm drain inlet. 2. North side of construction trailer area.	1. Replace broken gravel bags. See photograph 1. 2. Place gravel bags in front of gate. No gravel bags were placed in front of gate at the time of inspection. 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
SE-10	Storm Drain Inlet Protection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1. Storm drain inlet CB16 east of units 3 and 4.	1. Missing filter fabric in storm drain inlet identified in report 61 was not replaced. See photograph 6.
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: 08-16-11

## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 1

**Location:**  
Southwest corner of  
site by the storm  
drain inlet.

**Description:**  
Broken gravel bags  
identified in report  
61 were not  
replaced.



## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 2

**Location:** CB19.  
Northwest corner of  
administration  
trailers.

**Description:**  
Replace broken  
gravel bags. Broken  
gravel bags identified  
in report 61 were  
replaced.



## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 3

**Location:** North side of construction trailer area.

**Description:**  
Place gravel bags in front of gate. No gravel bags were placed in front of gate at time of inspection.



## Stormwater Construction Site Photo Log

**PHOTOGRAPH  
NO. 4**

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

**Description:**  
Replace broken  
sandbags. Broken  
sandbags identified  
in report 61 were  
replaced.



## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 5

**Location:** E17.  
Tank farm access  
road.

**Description:**  
Replace broken  
sandbags. Broken  
sandbags identified  
in report 61 were  
replaced.



## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 6

**Location:** Storm drain inlet CB16 east of units 3 and 4.

**Description:** Missing filter fabric identified in report 61 was not replaced.



*Storm Water Construction Site Inspection Report*

General Information					
Client	NRG				
Project Name	El Segundo Power Plant				
WDID No.	4 19C345097	Location	Power Plant Site on Vista Del Mar		
Date of Inspection	08-30-11	Arrival Time	7:15 AM	Departure Time	9:30 AM
Project Contacts					
	Name and Company	Cell Phone	E-Mail	Certification	
Inspector(s)	Marcus Millett AECOM	(562) 673-9909	<a href="mailto:Marcus.millett@aecom.com">Marcus.millett@aecom.com</a>	PE, QSD/QSP	
Inspector(s)	Roman Aguilar	(310) 529-3263	<a href="mailto:Roman.Aguilar@nrgenergy.com">Roman.Aguilar@nrgenergy.com</a>		
Client Contact/ Representative	George L. Piantka	(760) 707-6833	<a href="mailto:George.piantka@nrgenergy.com">George.piantka@nrgenergy.com</a>	PE	
<b>Type of Inspection:</b>					
<input checked="" type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event					
SWPPP Status					
<b>Does the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
<b>If no, describe:</b> Amendments Needed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Training Records Present/Up to Date: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Inspection Records Present/Up to Date: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Weather Information					
<b>Has there been a storm event since the last inspection?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>If yes, provide:</b> Storm Start Date & Time:                    Storm Duration (hrs):                    Approximate Amount of Precipitation (in):					
<b>Weather at time of inspection</b> <input type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input checked="" type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> Winds from West at 10mph <input type="checkbox"/> Other:                    Temperature: 69 degrees F.					
<b>Is a qualifying rain event (0.5" rain; 48 hours or more between events) predicted?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
<b>Summarize forecast:</b> Morning fog, then mostly sunny with high temperatures steady near 70 degrees F. Winds from East Southeast at 3 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	CB19, Northwest corner of Admin. Trailers.	Replaced broken sand bags. See photograph 1.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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. Item not corrected. See photograph 2.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
SE-7	Street Sweeping	Access road	Remove soil from roadway. Item corrected. See photographs 6 and 7.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SE-8	Sandbag Barrier	CB21 east of wastewater pond	Replace broken sandbags. Filter fabric installed in storm drain inlet instead of sandbags because location is in a traffic area. See photograph 8.	<input checked="" type="checkbox"/> Yes <input 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. C24, slope adjacent to south access road. 2. F24, southeast corner storm drain.	1. Place 10-linear feet of gravel bags on most downhill portion of asphalt curb adjacent to disturbed area. See photograph 2. 2. Replace broken gravel bags. Remove accumulated sediment. See photograph 4.
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, road going to tank farm. 2. C24, south side road.	1. Replace broken sand bags. See photograph 3. 2. Replace broken sand bags. See photograph 5.
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: 08-31-11

Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 1

**Location:** CB19,  
Northwest corner of  
Admin. Trailers.

**Description:**  
Replaced broken  
gravel bags.



Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 2

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

**Description:**  
Place 10-linear feet of gravel bags on most downhill portion of asphalt curb adjacent to disturbed area. Item not corrected.



Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 3

**Location:** E17, road  
going to tank farm.

**Description:**  
Replace broken sand  
bags.



## Stormwater Construction Site Photo Log

**PHOTOGRAPH  
NO. 4**

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

**Description:**  
Place broken  
gravel bags.  
Remove  
accumulated  
sediment.



## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 5

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

**Description:**  
Replace broken  
sand bags.



Stormwater Construction Site Photo Log

PHOTOGRAPHS  
NO. 6 AND 7

**Location:** E11,  
Access road.

**Description:**  
Remove soil from  
roadway. Item  
corrected.



## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 8

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**Location:** CB21  
east of wastewater  
pond

**Description:** Filter  
fabric installed in  
storm drain inlet  
instead of  
sandbags because  
location is in a  
traffic area.



*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>	08-23-11	<b>Arrival Time</b>	7:55 AM	<b>Departure Time</b>	11:15 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) 529-3263	<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	
<b>Type of Inspection:</b>					
<input checked="" type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event					
SWPPP Status					
<b>Does the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
<b>If no, describe:</b> Amendments Needed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Training Records Present/Up to Date: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Inspection Records Present/Up to Date: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Weather Information					
<b>Has there been a storm event since the last inspection?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>If yes, provide:</b> Storm Start Date & Time:                    Storm Duration (hrs):                    Approximate Amount of Precipitation (in):					
<b>Weather at time of inspection</b> <input type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input checked="" type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> Winds from West at 10mph <input type="checkbox"/> Other:                    Temperature: 68 degrees F.					
<b>Is a qualifying rain event (0.5" rain; 48 hours or more between events) predicted?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
<b>Summarize forecast:</b> Mostly sunny with temperatures steady near 70 degrees F. Winds from West at 6 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	Southwest corner of site by the storm drain inlet.	Replace broken gravel bags. Gravel bags identified in report 61 were replaced. See photograph 1.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SE-6	Gravel bags	North side of construction trailer area.	Place gravel bags in front of gate. Gravel bags were placed in front of gate. See photograph 3.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SE-10	Storm drain inlet protection	Storm drain inlet CB16 east of units 3 and 4.	Missing filter fabric identified in report 61 was replaced. See photograph 4.	<input checked="" type="checkbox"/> Yes <input 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. CB19, Northwest corner of Admin. Trailers.  2. Slope adjacent to south access road.	1. Replace broken gravel bags. See photograph 2. 2. Place 10-linear feet of gravel bags on most downhill portion of asphalt curb adjacent to disturbed area. See photograph 7.

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. Access road	1. Remove soil from roadway. See photographs 8 and 9.
SE-8	Sandbag Barrier	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1. E11, east side of access road at bottom of hill. 2. CB21, east of wastewater pond.	1. Replace missing sand bags. See photograph 5. 2. Replace broken sandbags. 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		
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		

BMP No.	BMP	BMP Maintenance Required?	Location (See Note)	Corrective Action Needed and Notes (Include photos, if any)
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: 08-24-11

## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 1

**Location:**  
Southwest corner of  
site by the storm  
drain inlet.

**Description:**  
Replace broken  
gravel bags. Gravel  
bags identified in  
report 61 were  
replaced.



## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 2

**Location:** CB19.  
Northwest corner of  
administration  
trailers.

**Description:**  
Replace broken  
gravel bags.



## Stormwater Construction Site Photo Log

**PHOTOGRAPH  
NO. 3**

**Location:** North  
side of construction  
trailer area.

**Description:**  
Gravel bags were  
placed in front of  
gate.

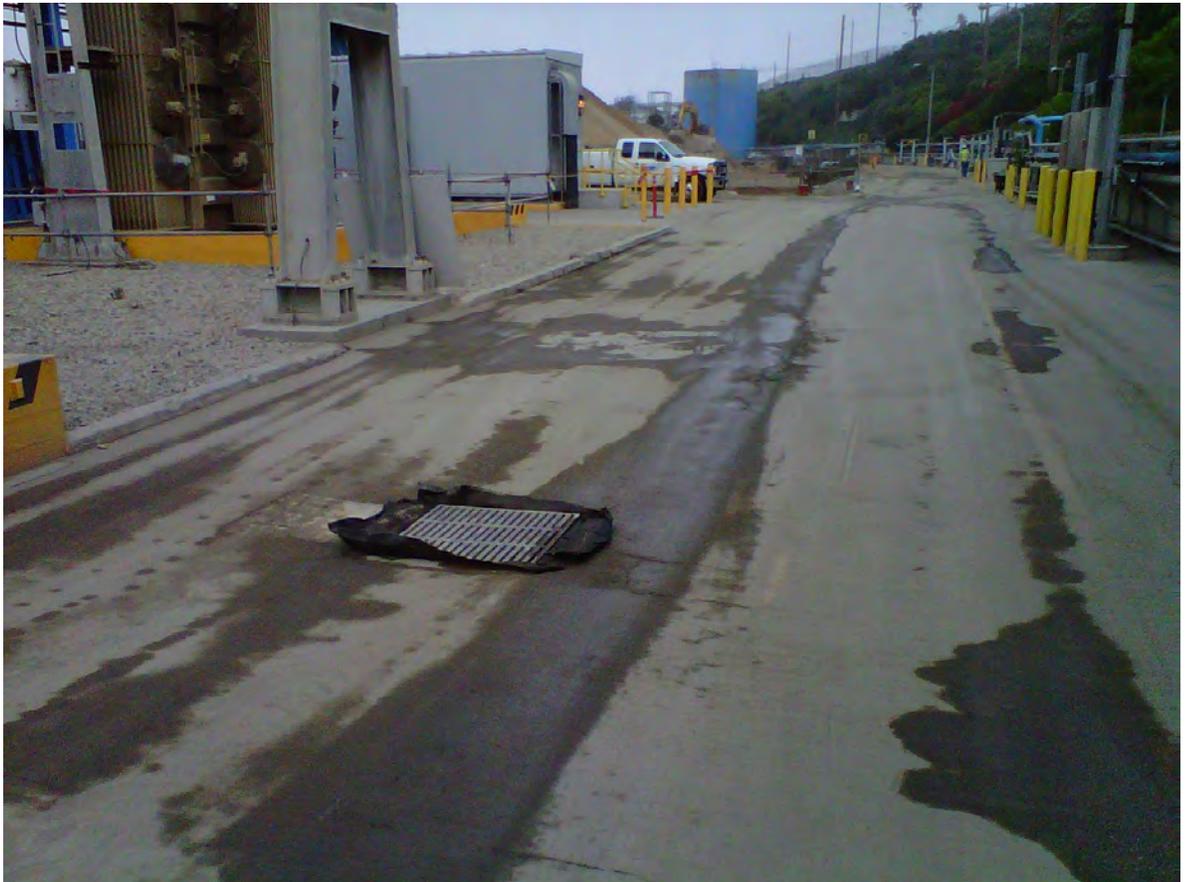


## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 4

**Location:** CB 16,  
storm drain inlet  
east of units 3 and  
4.

**Description:**  
Missing filter fabric  
identified in report  
61 was replaced.



## Stormwater Construction Site Photo Log

**PHOTOGRAPH  
NO. 5**

**Location:** E11,  
east side of access  
road at bottom of  
hill.

**Description:**  
Replace missing  
sandbags.



## Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 6

**Location:** CB21,  
east of wastewater  
pond.

**Description:**  
Replace broken  
sandbags.



Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 7

**Location:** Slope adjacent to south access road.

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



Stormwater Construction Site Photo Log

PHOTOGRAPH  
NO. 8 AND 9

**Location:** Access  
road.

**Description:**  
Remove soil from  
roadway.



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

## DOCUMENTATION OF BMP MAINTENANCE



**Location: Along entrance road.**

**Date: 8/26/11**

**Summary: V-ditch installed along entrance road by Granite Construction Company with jute netting along the hill side.**

## DOCUMENTATION OF BMP MAINTENANCE



**Location: Site wide.**

**Date: 8/31/11**

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

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

# 508382

## Invoice

**The A.I.M.S. Corporation**  
 P.O. Box 800  
 Los Gatos, CA 95031-0800  
 (408) 358-9999/phone; (408)356-2456/fax

Date	Invoice Number
7/1/2011	2011-062

Bill to:

NRG Energy Accounts Payable  
 Attn: West Region  
 P.O. Box 1140  
 New Roads, LA 70760

Service Dates	Terms	Project
July, 2011	30 Net	ESEC

Description	Quantity	Rate	Amount
July, 2011 CBO Fee (EPC-ELS, P.O. #C80731200, Change order 6; Ref. line item 6)	1	94,500.00	94,500.00
July, 2011 Expenses (EPC-ELS, P.O. #C80731200, Change order 6; Ref. line item 7)			
Reimbursement for Signet Testing Labs., Inc. (Inv. 4762395, 7/20/11 + 10%) (For Safety Monitor Services, 7/5/11 & 7/11/11)	1	1,144.00	1,144.00
Reimbursement for Signet Testing Labs., Inc. (Inv. 4762400, 7/21/11 + 10%) (For Third Party Inspections , 6/3-29/11)	1	9,940.25	9,940.25
Reimbursement for Signet Testing Labs., Inc. (Inv. 4774696, 7/28/11 + 10%) (For Safety Monitor Services, 6/20/11 & 6/27/11)	1	1,144.00	1,144.00

**RECEIVED**  
 'AUG 10 2011  
 ACCOUNTS PAYABLE

**Total \$106,728.25**

**Savoy, Kitzie**

---

**From:** Cheryl Wimberly [cheryl@aimscorp.com]  
**Sent:** Tuesday, August 09, 2011 10:48 PM  
**To:** West, AP  
**Cc:** dwimberly@aimscorp.com; Kodis, Marc; hanskosten@msn.com  
**Subject:** AIMS July, 2011 Invoice  
**Attachments:** Inv\_2011062\_from\_The\_\_A.I.M.S.\_Corporation\_2044.pdf; 7.2011.Signed  
Cond Waiver - ESEC.pdf

To Customer :

Attached is the AIMS invoice for services during the month of July, 2011.  
Also attached is the signed Conditional Waiver and Release Upon Progress  
Payment.

Sincerely,  
Cheryl

The A.I.M.S. Corporation  
408.358.9999

**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 \$106,728.25 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 July 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:

5/1/11

AIMS Corporation

By:   
President

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

## CBO Log

NRG - El Segundo Energy Center, El Segundo, California

El Segundo Repowering Project

Note: Ctrl + p (Sorts by Pkg No.) Ctrl + t (Sorts by Transmittal No.)

Note: Ctrl + d (Sorts by Electronic Transmittal Date)

Note: Ctrl + j (Filters CBO Disposition)

APPROVED	CBO ACTION
SIEMENS/OTHER ACTION	
DISPOSITION RESPONDED TO	

Updated:	September 6, 2011
----------	-------------------

CBO Pkg No.	Submittal Number	COC Reference No.	Title	Transmittal No.	Electronic Transmittal Date	Hard Copy Transmittal Date	Forecast Return Date	Actual Return Date	CBO Disposition	Comments
CBO-U-002	4	GEN-2	RESPONSIBLE ENGINEERS	URS-TR-0033	8/8/2011	8/8/2011	8/29/2011	8/15/2011	APPROVED	<a href="#">SEE DISPOSITION</a>
CBO-U-051	4	GEN-2	SPECIFICATIONS	URS-TR-0030	8/5/2011	8/5/2011	8/26/2011		SEE SPECIFICATION TRACKING LOG	<a href="#">SEE DISPOSITION</a>
CBO-U-051	5	GEN-2	SPECIFICATIONS	URS-TR-0032	8/8/2011	8/8/2011	8/29/2011		SEE SPECIFICATION TRACKING LOG	<a href="#">SEE DISPOSITION</a>
CBO-U-051	6	GEN-2	SPECIFICATIONS	URS-TR-0042	8/25/2011	8/25/2011	9/15/2011		SEE SPECIFICATION TRACKING LOG	
CBO-U-051	7	GEN-2	SPECIFICATIONS	URS-TR-0048	8/31/2011	8/31/2011	9/21/2011		SEE SPECIFICATION TRACKING LOG	
CBO-U-100	2	CIVIL-1	GEOTECH REPORT	URS-TR-0037	8/22/2011	8/22/2011	9/12/2011			
CBO-U-101	3	CIVIL-1	SITE GENERAL ARRANGEMENT	URS-TR-0036	8/22/2011	8/22/2011	9/12/2011			
CBO-U-103	2	CIVIL-1	BLOWDOWN SUMP SHORING PLAN	URS-TR-0035	8/8/2011	8/8/2011	8/29/2011	8/15/2011	RESPONSE REQUIRED	<a href="#">SEE DISPOSITION</a>
CBO-U-103	3	CIVIL-1	BLOWDOWN SUMP SHORING PLAN	URS-TR-0041	8/24/2011	8/24/2011	9/14/2011			
CBO-U-103	4	CIVIL-1	BLOWDOWN SUMP SHORING PLAN	URS-TR-0046	8/29/2011	8/29/2011	9/19/2011			
CBO-U-104	1	CIVIL-1	SITE MONUMENT PLAN	URS-TR-0047	8/29/2011	8/29/2011	9/19/2011		APPROVED	
CBO-U-201	2	STRUC-1	SEAWALL	URS-TR-0034	8/15/2011	8/15/2011	9/5/2011			
CBO-U-201	3	STRUC-1	SEAWALL	URS-TR-0038	8/23/2011	8/23/2011	9/13/2011			
CBO-U-202	2	GEN-2	STANDARD DETAILS	URS-TR-0040	8/23/2011	8/23/2011	9/13/2011		CBO Record	<a href="#">SEE DISPOSITION</a>
CBO-U-202	3	GEN-2	STANDARD DETAILS	URS-TR-0049	8/31/2011	9/21/2011	10/12/2011	9/2/2011	CBO Record	<a href="#">SEE DISPOSITION</a>
CBO-U-206	2	STRUC-1	GT FOUNDATION	URS-TR-0050	8/31/2011	8/31/2011	9/21/2011			
CBO-U-300	2	MECH-1	UG PIPING ISOMETRICS	URS-TR-0045	8/29/2011	8/29/2011	9/19/2011			
CBO-U-301	1	MECH-1	UG PIPING COMPOSITE	URS-TR-0044	8/26/2011	8/26/2011	9/16/2011			
CBO-U-302	1	MECH-1	P&IDS AND LINE SCHEDULES	URS-TR-0039	8/24/2011	8/24/2011	9/14/2011			
CBO-U-400	1	ELEC-1	ELECTRICAL ONE LINE	URS-TR-0043	8/26/2011	8/26/2011	9/16/2011			
CBO-U-500	2	TSE-5	HV POLE LOCATIONS	URS-TR-0031	8/8/2011	8/8/2011	8/29/2011	8/19/2011	RESPONSE REQUIRED	<a href="#">SEE DISPOSITION</a>

### CBO Log

NRG - El Segundo Energy Center, El Segundo, California

El Segundo Repowering Project

Note: Ctrl + p (Sorts by Pkg No.) Ctrl + t (Sorts by Transmittal No.)

Note: Ctrl + d (Sorts by Electronic Transmittal Date)

Note: Ctrl + j (Filters CBO Disposition)

APPROVED	CBO ACTION
SIEMENS/OTHER ACTION	
DISPOSITION RESPONDED TO	

Updated:	September 6, 2011
----------	-------------------

CBO Pkg No.	Submittal Number	COC Reference No.	Title	Transmittal No.	Electronic Transmittal Date	Hard Copy Transmittal Date	Forecast Return Date	Actual Return Date	CBO Disposition	Comments
CBO-U-002	3	GEN-2	RESPONSIBLE ENGINEERS	URS-TR-0024	7/29/2011	7/29/2011	8/19/2011	8/15/2011	APPROVED	<a href="#">SEE DISPOSITION</a>
CBO-U-002	4	GEN-2	RESPONSIBLE ENGINEERS	URS-TR-0033	8/8/2011	8/8/2011	8/29/2011	8/15/2011	APPROVED	<a href="#">SEE DISPOSITION</a>
CBO-U-104	1	CIVIL-1	SITE MONUMENT PLAN	URS-TR-0028	7/29/2011	7/29/2011	8/19/2011	8/18/2011	APPROVED	<a href="#">SEE DISPOSITION</a>
CBO-U-104	1	CIVIL-1	SITE MONUMENT PLAN	URS-TR-0047	8/29/2011	8/29/2011	9/19/2011		APPROVED	
CBO-U-200	1	STRUC-1	LATERAL FORCE PROCEDURE CALCULATIONS	URS-TR-0001	12/20/2010	12/21/2010	1/11/2011	1/21/2011	CONDITIONALLY APPROVED	<a href="#">Lateral force procedure is acceptable; however, provide additional lateral force procedure for switchyard structures as indicated on CEC Condition of Certification requirements specified in Section STRUC-1 of the Final Assessment Report, Application for Certification for El Segundo Energy Center Project, Dockey No. 00-AFC-14C</a>



<b>CBO Pkg. Number:</b>	<b>CBO-U-100</b>
<b>CBO Title:</b>	<b>GEOTECH REPORT</b>
<b>COC Reference No.</b>	<b>CIVIL-1</b>
<b>Project Name:</b>	<b>29270 NRG EL SEGUNDO REPOWERING OWNER'S ENGINEER</b>
<b>Transmittal Number:</b>	<b>URS-TR-0037</b>
<b>Reason for Issue:</b>	<b>Response to Disposition</b>
<b>Date Submitted:</b>	<b>August 22, 2011</b>

<b>Sender Details:</b>  URS Corporation Kathy Tippin 7800 E. Union Ave. Suite 100 Denver, CO 80237	<b>Recipient Details:</b>  Joni Boren CBO Office 3071 Miraloma Ave. Anaheim, CA 92806
---	--

**ELECTRONIC SUBMITTAL:**

<b>Signature:</b> Tina Myers	<b>Date:</b> August 22, 2011
	<b>Phone:</b> 303-843-2268



PLEASE SEE THE ATTACHED DOCUMENT(S) FOR YOUR USE.

<b>DOCUMENT NUMBER</b>	<b>DOCUMENT TITLE</b>	<b>REV.</b>
NA	GEOTECHNICAL	Aug 12, 2011



<b>CBO Pkg. Number:</b>	<b>CBO-U-101</b>
<b>CBO Title:</b>	<b>SITE GENERAL ARRANGEMENT</b>
<b>COC Reference No.</b>	<b>CIVIL-1</b>
<b>Project Name:</b>	<b>29270 NRG EL SEGUNDO REPOWERING OWNER'S ENGINEER</b>
<b>Transmittal Number:</b>	<b>URS-TR-0036</b>
<b>Reason for Issue:</b>	<b>Response to Disposition</b>
<b>Date Submitted:</b>	<b>August 22, 2011</b>

<b>Sender Details:</b>  URS Corporation Kathy Tippin 7800 E. Union Ave. Suite 100 Denver, CO 80237	<b>Recipient Details:</b>  Joni Boren CBO Office 3071 Miraloma Ave. Anaheim, CA 92806
---	--

**ELECTRONIC SUBMITTAL:**

<b>Signature:</b> Tina Myers	<b>Date:</b> August 22, 2011
	<b>Phone:</b> 303-843-2268



PLEASE SEE THE ATTACHED DOCUMENT(S) FOR YOUR USE.

<b>DOCUMENT NUMBER</b>	<b>UNID</b>	<b>DOCUMENT TITLE</b>	<b>REV</b>
USA659-UC07-00U-100201	477125657	GENERAL ARRANGEMENT - SITE PLAN	02
USA659-UC07-10U-100203	477125671	GENERAL ARRANGEMENT - PLAN - STG AREA	01
USA659-UC07-10U-100205	477125695	GENERAL ARRANGEMENT - PLAN - ACHE AREA	01
USA659-UC07-10U-100202	477125664	GENERAL ARRANGEMENT - PLAN - HRSG AREA	01
NA	NA	Response to Disposition	NA



<b>CBO Pkg. Number:</b>	<b>CBO-U-103</b>
<b>CBO Title:</b>	<b>BLOWDOWN SUMP SHORING PLAN</b>
<b>COC Reference No.</b>	<b>CIVIL-1</b>
<b>Project Name:</b>	<b>29270 NRG EL SEGUNDO REPOWERING OWNER'S ENGINEER</b>
<b>Transmittal Number:</b>	<b>URS-TR-0035</b>
<b>Reason for Issue:</b>	<b>Issued for CBO Disposition</b>
<b>Date Submitted:</b>	<b>August 8, 2011</b>

<b>Sender Details:</b>  URS Corporation Kathy Tippin 7800 E. Union Ave. Suite 100 Denver, CO 80237	<b>Recipient Details:</b>  Joni Boren CBO Office 3071 Miraloma Ave. Anaheim, CA 92806
---	--

**ELECTRONIC SUBMITTAL:**

**Nick Laporte-NRG**  
**Marc Kodis-NRG**  
**Nola Donothan-NRG**  
**Dave Michelsen-NRG**  
**Scott Seipel-NRG**  
**Laura Lochridge-Siemens**

**Dan Priebe-URS**  
**Kathy Tippin-URS**  
**Devin Rhinehart-URS**  
**Gil Martinez-ARB**  
**Rich Smith-ARB**

<b>Signature:</b> Kathryn L. Tippin	<b>Date:</b> August 8, 2011
	<b>Phone:</b> 303-843-2116



PLEASE SEE THE ATTACHED DOCUMENT(S) FOR YOUR USE.

<b>DOCUMENT NUMBER</b>	<b>DOCUMENT TITLE</b>	<b>REV.</b>
USA659-VJ00-10UHW-641133	HRSG BLOWDOWN TANK AND SUMP FOUNDATION PLAN, SECTIONS, AND DETAILS	A
11104-CASE 1	SHORING CASE #1 32X32X15D PIT	1
11104-01-R1 CASE 1-REV1	SHORING CASE #1 -34X32 BEAM AND LAG PIT APPLICABLE REACHES: HRSG BLOWDOWN TANK/SUMP	1
USA659-BN02-00UHW-602403	HRSG BLOWDOWN SUMP DESIGN CALCULATION	1
N/A	RESPONSE TO CBO COMMENTS DWG USA-VJ00-10UHW-641133, REV A	N/A



<b>CBO Pkg. Number:</b>	<b>CBO-U-103</b>
<b>CBO Title:</b>	<b>BLOWDOWN SUMP SHORING PLAN</b>
<b>COC Reference No.</b>	<b>CIVIL-1</b>
<b>Project Name:</b>	<b>29270 NRG EL SEGUNDO REPOWERING OWNER'S ENGINEER</b>
<b>Transmittal Number:</b>	<b>URS-TR-0046</b>
<b>Reason for Issue:</b>	<b>Issued for CBO Disposition</b>
<b>Date Submitted:</b>	<b>August 29, 2011</b>

<b>Sender Details:</b>  URS Corporation Gigi Aviado 7800 E. Union Ave. Suite 100 Denver, CO 80237	<b>Recipient Details:</b>  Joni Boren CBO Office 3071 Miraloma Ave. Anaheim, CA 92806
--	--

**ELECTRONIC SUBMITTAL:**

<b>Signature:</b> Gigi Aviado	<b>Date:</b> August 29, 2011
	<b>Phone:</b> 303-843-2116



PLEASE SEE THE ATTACHED DOCUMENT(S) FOR YOUR USE.

<b>DOCUMENT NUMBER</b>	<b>UNID</b>	<b>DOCUMENT TITLE</b>	<b>REV</b>
USA659-VJ00-10UHW-641133	477123349	HRSG BLOWDOWN TANK AND SUMP FOUNDATION PLAN, SECTIONS AND DETAILS	2



<b>CBO Pkg. Number:</b>	<b>CBO-U-103</b>
<b>CBO Title:</b>	<b>BLOWDOWN SUMP SHORING PLAN</b>
<b>COC Reference No.</b>	<b>CIVIL-1</b>
<b>Project Name:</b>	<b>29270 NRG EL SEGUNDO REPOWERING OWNER'S ENGINEER</b>
<b>Transmittal Number:</b>	<b>URS-TR-0041</b>
<b>Reason for Issue:</b>	<b>Issued for CBO Disposition</b>
<b>Date Submitted:</b>	<b>August 24, 2011</b>

<b>Sender Details:</b>  URS Corporation Tina Myers 7800 E. Union Ave. Suite 100 Denver, CO 80237	<b>Recipient Details:</b>  Joni Boren CBO Office 3071 Miraloma Ave. Anaheim, CA 92806
---	--

**ELECTRONIC SUBMITTAL:**

<b>Signature:</b> Tina Myers	<b>Date:</b> August 24, 2011
	<b>Phone:</b> 303-843-2268



PLEASE SEE THE ATTACHED DOCUMENT(S) FOR YOUR USE.

<b>DOCUMENT NUMBER</b>	<b>DOCUMENT TITLE</b>	<b>REV.</b>
1104-01	Shoring Case #1 32x26 Beam & Lag Pit	2
11104-case1-rev2	Shoring Case #1 32x26x12D Pit @ Blowdown Sump	2



<b>CBO Pkg. Number:</b>	<b>CBO-U-104</b>
<b>CBO Title:</b>	<b>SITE MONUMENT PLAN</b>
<b>COC Reference No.</b>	<b>CIVIL-1</b>
<b>Project Name:</b>	<b>29270 NRG EL SEGUNDO REPOWERING OWNER'S ENGINEER</b>
<b>Transmittal Number:</b>	<b>URS-TR-0047</b>
<b>Reason for Issue:</b>	<b>Issued for CBO Disposition</b>
<b>Date Submitted:</b>	<b>August 29, 2011</b>

<b>Sender Details:</b>  URS Corporation Kathy Tippin 7800 E. Union Ave. Suite 100 Denver, CO 80237	<b>Recipient Details:</b>  Joni Boren CBO Office 3071 Miraloma Ave. Anaheim, CA 92806
---	--

**ELECTRONIC SUBMITTAL:**

<b>Signature:</b> Tina Myers	<b>Date:</b> August 29, 2011
	<b>Phone:</b> 303-843-2268



PLEASE SEE THE ATTACHED DOCUMENT(S) FOR YOUR USE.

DOCUMENT NUMBER	UNID	DOCUMENT TITLE	REV
USA659-UE00-0U-671601	477123059	SITE MONUMENT PLAN	01



<b>CBO Pkg. Number:</b>	<b>CBO-U-201</b>
<b>CBO Title:</b>	<b>SEAWALL</b>
<b>COC Reference No.</b>	<b>STRUC-1</b>
<b>Project Name:</b>	<b>29270 NRG EL SEGUNDO REPOWERING OWNER'S ENGINEER</b>
<b>Transmittal Number:</b>	<b>URS-TR-0038</b>
<b>Reason for Issue:</b>	<b>Issued for CBO Disposition</b>
<b>Date Submitted:</b>	<b>August 23, 2011</b>

<b>Sender Details:</b>  URS Corporation Kathy Tippin 7800 E. Union Ave. Suite 100 Denver, CO 80237	<b>Recipient Details:</b>  Joni Boren CBO Office 3071 Miraloma Ave. Anaheim, CA 92806
---	--

**ELECTRONIC SUBMITTAL:**

<b>Signature:</b> Tina Myers	<b>Date:</b> August 23, 2011
	<b>Phone:</b> 303-843-2268



PLEASE SEE THE ATTACHED DOCUMENT(S) FOR YOUR USE.

DOCUMENT NUMBER	UNID	DOCUMENT TITLE	REV
1303010	N/A	Seawall Form Liner	0



<b>CBO Pkg. Number:</b>	<b>CBO-U-206</b>
<b>CBO Title:</b>	<b>GT FOUNDATION</b>
<b>COC Reference No.</b>	<b>STRUC-1</b>
<b>Project Name:</b>	<b>29270 NRG EL SEGUNDO REPOWERING OWNER'S ENGINEER</b>
<b>Transmittal Number:</b>	<b>URS-TR-0050</b>
<b>Reason for Issue:</b>	<b>Issued for CBO Disposition</b>
<b>Date Submitted:</b>	<b>August 31, 2011</b>

<b>Sender Details:</b>  URS Corporation Gigi Aviado 7800 E. Union Ave. Suite 100 Denver, CO 80237	<b>Recipient Details:</b>  Joni Boren CBO Office 3071 Miraloma Ave. Anaheim, CA 92806
--	--

**ELECTRONIC SUBMITTAL:**

<b>Signature:</b> Gigi Aviado	<b>Date:</b> August 31, 2011
	<b>Phone:</b> 303-843-2116



PLEASE SEE THE ATTACHED DOCUMENT(S) FOR YOUR USE.

<b>DOCUMENT NUMBER</b>	<b>UNID</b>	<b>DOCUMENT TITLE</b>	<b>REV</b>
USA659-VJ00-11UMB-641144	477123448	COMBUSTION TURBINE/GENERATOR FOUNDATION MAT PLAN	2
USA659-BN02-00UMB-602410	478855867	COMBUSTION TURBINE/GENERATOR FOUNDATION DESIGN	2



<b>CBO Pkg. Number:</b>	<b>CBO-U-300</b>
<b>CBO Title:</b>	<b>UNDERGROUND PIPING ISOMETRICS</b>
<b>COC Reference No.</b>	<b>MECH-1</b>
<b>Project Name:</b>	<b>29270 NRG EL SEGUNDO REPOWERING OWNER'S ENGINEER</b>
<b>Transmittal Number:</b>	<b>URS-TR-0045</b>
<b>Reason for Issue:</b>	<b>Issued for CBO Disposition</b>
<b>Date Submitted:</b>	<b>August 29, 2011</b>

<b>Sender Details:</b>  URS Corporation Gigi Aviado 7800 E. Union Ave. Suite 100 Denver, CO 80237	<b>Recipient Details:</b>  Joni Boren CBO Office 3071 Miraloma Ave. Anaheim, CA 92806
--	--

**ELECTRONIC SUBMITTAL:**

<b>Signature:</b> Gigi Aviado	<b>Date:</b> August 29, 2011
	<b>Phone:</b> 303-843-2116



PLEASE SEE THE ATTACHED DOCUMENT(S) FOR YOUR USE.

DOCUMENT NUMBER	UNID	DOCUMENT TITLE	REV
USA659-XJ00-00SGA10-510002	477128047	UNDERGROUND PIPING ISOMETRIC 00SGA10 BR002 FIRE PROTECTION	2
USA659-XJ00-00SGA10-510003	478860366	UNDERGROUND PIPING ISOMETRIC 00SGA10 BR003 FIRE PROTECTION	2
USA659-XJ00-00SGA10-510015	478860489	UNDERGROUND PIPING ISOMETRIC 00SGA10 BR015 FIRE PROTECTION	2
USA659-XJ00-00SGA10-510016	478860496	UNDERGROUND PIPING ISOMETRIC 00SGA10 BR016 FIRE PROTECTION	2
USA659-XJ00-00SGA10-510018	479452355	UNDERGROUND PIPING ISOMETRIC 00SGA10 BR016 FIRE PROTECTION	2
USA659-XJ00-10QFB30-530002	480525543	UNDERGROUND PIPING ISOMETRIC 10QFB30 BR002 CONTROL AIR DISTRIBUTION	0
USA659-XJ00-20QFB30-530002	480525758	UNDERGROUND PIPING ISOMETRIC 20QFB30 BR002 CONTROL AIR DISTRIBUTION	0
USA659-XJ00-10GMA10-510116	480525765	UNDERGROUND PIPING ISOMETRIC 10GMA10 BR116 PLANT DRAINS	0
USA659-XJ00-10GMA10-510117	480525772	UNDERGROUND PIPING ISOMETRIC 10GMA10 BR117 PLANT DRAINS	0
USA659-XJ00-20GMA10-510116	480525789	UNDERGROUND PIPING ISOMETRIC 20GMA10 BR116 PLANT DRAINS	0
USA659-XJ00-20GMA10-510117	480525796	UNDERGROUND PIPING ISOMETRIC 20GMA10 BR117 PLANT DRAINS	0



<b>CBO Pkg. Number:</b>	<b>CBO-U-301</b>
<b>CBO Title:</b>	<b>UNDERGROUND PIPING COMPOSITE</b>
<b>COC Reference No.</b>	<b>MECH-1</b>
<b>Project Name:</b>	<b>29270 NRG EL SEGUNDO REPOWERING OWNER'S ENGINEER</b>
<b>Transmittal Number:</b>	<b>URS-TR-0044</b>
<b>Reason for Issue:</b>	<b>Issued for CBO Disposition</b>
<b>Date Submitted:</b>	<b>August 29, 2011</b>

<b>Sender Details:</b>  URS Corporation Gigi Aviado 7800 E. Union Ave. Suite 100 Denver, CO 80237	<b>Recipient Details:</b>  Joni Boren CBO Office 3071 Miraloma Ave. Anaheim, CA 92806
--	--

**ELECTRONIC SUBMITTAL:**

<b>Signature:</b> Gigi Aviado	<b>Date:</b> August 29, 2011
	<b>Phone:</b> 303-843-2116



PLEASE SEE THE ATTACHED DOCUMENT(S) FOR YOUR USE.

<b>DOCUMENT NUMBER</b>	<b>UNID</b>	<b>DOCUMENT TITLE</b>	<b>REV</b>
USA659-XH01-00U-330301	477124520	UNDERGROUND PIPING COMPOSITE KEY PLAN	0
USA659-XH01-10U-330302	477124537	UNDERGROUND PIPING COMPOSITE POWERBLOCK 10 WEST PLAN VIEW	0
USA659-XH01-20U-330303	477124544	UNDERGROUND PIPING COMPOSITE POWERBLOCK 20 WEST PLAN VIEW	2



<b>CBO Pkg. Number:</b>	<b>CBO-U-302</b>
<b>CBO Title:</b>	<b>FOR REVIEW PIPING INSTRUMENT AND DIAGRAM</b>
<b>COC Reference No.</b>	<b>Mech-1</b>
<b>Project Name:</b>	<b>29270 NRG EL SEGUNDO REPOWERING OWNER'S ENGINEER</b>
<b>Transmittal Number:</b>	<b>URS-TR-0039</b>
<b>Reason for Issue:</b>	<b>Issued for CBO Disposition</b>
<b>Date Submitted:</b>	<b>August 30, 2011</b>

<b>Sender Details:</b>  URS Corporation Gigi Aviado 7800 E. Union Ave. Suite 100 Denver, CO 80237	<b>Recipient Details:</b>  Joni Boren CBO Office 3071 Miraloma Ave. Anaheim, CA 92806
--	--

**ELECTRONIC SUBMITTAL:**

<b>Signature:</b> Gigi Aviado	<b>Date:</b> August 30, 2011
	<b>Phone:</b> 303-843-2848



PLEASE SEE THE ATTACHED DOCUMENT(S) FOR YOUR USE.

DOCUMENT NUMBER	UNID	DOCUMENT TITLE	REV
USA659-XG02-00GHC-4181-1	476294545	Demineralized Water	D
USA659-XG02-10LAB00-4181-1	476294583	Feedwater Water	E
USA659-XG02-10LBA10-4181-1	476294781	Main Steam	D
USA659-XG02-10LBH10-4181-1	476294378	Blowdown	C
USA659-XG02-10LCA10-4181-1	476294453	Condensate System	D
USA659-XG02-LCM10-4181-1	476294392	Clean Drains	C
USA659-XG02-MAG10-4181-1	467294941	Steam Duct	C
USA659-XG02-10MBU80-4181-1	476294873	Power Augmentation	D
USA654-&PFB029-SCA-4181-1	476294415	Compressed Air System	A
USA659-XG02-SCA-4181-1 SH 1	476294415	Compressed Air System	A
USA659-XG02-HSJ00-4181-1 SH 1	476294361	Ammonia Storage & Transfer	A
USA654-&PFB029-HSJ00-4181-1 SH 2 & 3	476294361	Ammonia Storage & Transfer	A
USA659-XG02-QJA-4181-1 SH 2- SH 4	476294798	Compressed Nitrogen System	B
USA654-&PFB029-QJA-4181-1 SH1	476294798	Compressed Nitrogen System	B
USA659-XG01-00GMA-430202	477124322	Plant Drainage System	0
USA659-XG02-10EK00-2500-1	476294644	Supply of Gaseous Fuel System – 7 Shts	B
USA659-XG01-00SGA-430201	477124308	Plant Fire Protection System	0



<b>CBO Pkg. Number:</b>	<b>CBO-U-400</b>
<b>CBO Title:</b>	<b>ELECTRICAL ONE LINE</b>
<b>COC Reference No.</b>	<b>ELEC-1</b>
<b>Project Name:</b>	<b>29270 NRG EL SEGUNDO REPOWERING OWNER'S ENGINEER</b>
<b>Transmittal Number:</b>	<b>URS-TR-0043</b>
<b>Reason for Issue:</b>	<b>Issued for CBO Disposition</b>
<b>Date Submitted:</b>	<b>August 29, 2011</b>

<b>Sender Details:</b>  URS Corporation Gigi Aviado 7800 E. Union Ave. Suite 100 Denver, CO 80237	<b>Recipient Details:</b>  Joni Boren CBO Office 3071 Miraloma Ave. Anaheim, CA 92806
--	--

**ELECTRONIC SUBMITTAL:**

<b>Signature:</b> Gigi Aviado	<b>Date:</b> August 29, 2011
	<b>Phone:</b> 303-843-2848



PLEASE SEE THE ATTACHED DOCUMENT(S) FOR YOUR USE.

DOCUMENT NUMBER	UNID	DOCUMENT TITLE	REV
USA659-YU02-00B-720602	477126326	Electrical One Line Diagram Legend	0
USA659-YU02-00B-720601	477126333	Electrical One Line Diagram Key One Line Power Block 1 & 2	2
USA659-YU02-00B-720603	477126340	Elect. One Line Diag. ST Generator & XFMR 11MKA01-G001 & 11BAT01GT001	1
USA659-YU02-00B-720604	477126357	Elect. One Line Diag. ST Generator & XFMR 10MKA01-G001 & 10BAT01-G001	1
USA659-XW01-00B-716180	477126913	Elect. Requirements for Pkg. Mech. Equipment Technical Specification	1



<b>CBO Pkg. Number:</b>	<b>CBO-U-500</b>
<b>CBO Title:</b>	<b>POLE LOCATIONS</b>
<b>COC Reference No.</b>	<b>TSE-5</b>
<b>Project Name:</b>	<b>29270 NRG EL SEGUNDO REPOWERING OWNER'S ENGINEER</b>
<b>Transmittal Number:</b>	<b>URS-TR-0031</b>
<b>Reason for Issue:</b>	<b>Issued for CBO Disposition</b>
<b>Date Submitted:</b>	<b>August 8, 2011</b>

<b>Sender Details:</b>  URS Corporation Kathy Tippin 7800 E. Union Ave. Suite 100 Denver, CO 80237	<b>Recipient Details:</b>  Joni Boren CBO Office 3071 Miraloma Ave. Anaheim, CA 92806
---	--

**ELECTRONIC SUBMITTAL:**

**Nick Laporte-NRG**  
**Marc Kodis-NRG**  
**Nola Donothan-NRG**  
**Laura Lochridge-Siemens**

**Dan Priebe-URS**  
**Kathy Tippin-URS**  
**Devin Rhinehart-URS**

<b>Signature:</b> Kathryn L. Tippin	<b>Date:</b> August 8, 2011
	<b>Phone:</b> 303-843-2116



PLEASE SEE THE ATTACHED DOCUMENT(S) FOR YOUR USE.

DOCUMENT NUMBER	UNID	DOCUMENT TITLE	REV
ESK-1	NA	ESEC TRANSMISSION LAYOUT PLAN VIEW	1
NA	NA	RESPONSE TO CBO DISPOSITION	NA



Date: 8/1/2011
To: CBO Office
Joni Boren
3071 Miraloma Ave
Anaheim, CA 92806

From: Vijay Mistry
Address: 3330 Harbor Blvd
Costa Mesa, CA 92626
714-466-7100
www.brinderson.com

Ref Pkg No.: CBO-914

BT Project: E6605N001, NRG - ENG TASK 2010 SUPPORT - TEMP TRAILERS- ELECT.

Find attached 3 Enclosures, 1 copie(s) each, which are released
as ISSUED FOR CBO APPROVAL

Remarks:

PACKAGE WILL BE DELIVER VIA FEDEX.

Copies To

Brinderson

Vijay Mistry (E), Jim Prendergast (E), Chau Tang (E), G.T Le (E), Duane Petersen (E), Gloria Tai (E),
Efren Terrible (E), Ganesh Dore (E), George Lozano (E), Dave Benner (E), Project File (T)

CBO

Joni Boren (2F+E)

NRG - El Segundo

Marc Kodis (E), Scott Seipel (E), David Michelsen (E), Kiet Lam (E), Johan Lueschen (E), Nola Donathan (E),
Nick Laporte (E), Robert Rea (E)

Table with 5 columns: Encl. No., Number, Rev., Title, Date. It lists three categories of drawings: ELECTRICAL DRAWINGS, ELECTRICAL REFERENCE DRAWINGS, and GENERAL PROJECT DOCUMENTS, with specific document numbers and dates.

Thank you,

Project Manager



Date: 8/1/2011
To: CBO Office
Joni Boren
3071 Miraloma Ave
Anaheim, CA 92806

From: Vijay Mistry
Address: 3330 Harbor Blvd
Costa Mesa, CA 92626
714-466-7100
www.brinderson.com

Ref Pkg No.: CBO-1005

BT Project: E6605N001, NRG - ENG TASK 2010 SUPPORT - FIRE W & SERVICE W PROCESS P&ID's

Find attached 3 Enclosures, 1 copie(s) each, which are released
as ISSUED FOR CBO APPROVAL

Remarks:

PACKAGE WILL BE DELIVER VIA FEDEX.

Copies To

Brinderson

Vijay Mistry (E), Jim Prendergast (E), Chau Tang (E), G.T Le (E), Duane Petersen (E), Gloria Tai (E),
Efren Terrible (E), Ganesh Dore (E), George Lozano (E), Dave Benner (E), Project File (T)

CBO

Joni Boren (2F+E)

NRG - El Segundo

Marc Kodis (E), Scott Seipel (E), David Michelsen (E), Kiet Lam (E), Johan Lueschen (E), Nola Donathan (E),
Nick Laporte (E), Robert Rea (E)

Table with 5 columns: Encl. No., Number, Rev., Title, Date. Contains entries for P&ID'S and PROCESS GENERAL DOCUMENTS.

Thank you,

Project Manager



Date: 8/3/2011
To: CBO Office
Joni Boren
3071 Miraloma Ave
Anaheim, CA 92806

From: Vijay Mistry
Address: 3330 Harbor Blvd
Costa Mesa, CA 92626
714-466-7100
www.brinderson.com

Ref Pkg No.: CBO-151

BT Project: E6605N001, NRG - ENG TASK 2010 SUPPORT-TANK FARM MODIF. ACCESS ROAD

Find attached 19 Enclosures, 1 copie(s) each, which are released
as ISSUED FOR CBO APPROVAL

Remarks:

PACKAGE TO BE HAND DELIVER BY VIJAY MISTRY ON 08/03/11

Copies To

Brinderson

Vijay Mistry (E), Jim Prendergast (E), Chau Tang (E), G.T Le (E), Duane Petersen (E), Gloria Tai (E),
Efren Terrible (E), Ganesh Dore (E), George Lozano (E), Koladi Kripanarayanan (E), Darin Mckee (E), Project File
(T)

CBO

Joni Boren (2F+E)

NRG - El Segundo

Marc Kodis (E), Scott Seipel (E), David Michelsen (E), Kiet Lam (E), Johan Lueschen (E), Nola Donathan (E),
Nick Laporte (E), Robert Rea (E)

Table with 5 columns: Encl. No., Number, Rev., Title, Date. Contains 7 rows of drawing information under the heading CIVIL-STRUCTURAL DRAWINGS.

<b>Encl. No.</b>	<b>Number</b>	<b>Rev.</b>	<b>Title</b>	<b>Date</b>
8	6134-C-813023	1	NRG - EL SEGUNDO RELOCATION PROJECT, SOUTH AREA GRADING, RECTANGULAR CONCRETE DRAIN PLAN	8/2/2011
9	6134-C-813024	2	NRG - EL SEGUNDO RELOCATION PROJECT, SOUTH AREA GRADING, SECTIONS & DETAILS	8/2/2011
10	6134-C-813025	2	NRG - EL SEGUNDO RELOCATION PROJECT, SOUTH AREA GRADING, SECTIONS & DETAILS	8/2/2011
11	6134-C-813026	3	NRG - EL SEGUNDO RELOCATION PROJECT, SOUTH AREA GRADING, CHAIN LINK FENCE DETAILS	8/2/2011
12	6134-C-813027	2	NRG - EL SEGUNDO RELOCATION PROJECT, SOUTH AREA GRADING, RETAINING WALL ON 45TH STREET	8/2/2011
13	6134-C-813028	0	NRG - EL SEGUNDO RELOCATION PROJECT, SOUTH AREA GRADING, SECTIONS & DETAIL	8/2/2011
14	6134-C-813030	3	NRG - EL SEGUNDO RELOCATION PROJECT, SOUTH AREA GRADING, NEW UTILITIES PLAN	8/2/2011
15	6134-C-813040	1	NRG - EL SEGUNDO RELOCATION PROJECT, SOUTH AREA GRADING, EROSION CONTROL PLAN	8/2/2011

### **CIVIL-STRUCTURAL GENERAL DOCUMENTS**

16	Respo to Dispo CBO-151 7-22-11		RESPONSE TO DISPOSITION CBO-151 7-22-11,	
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### **CIVIL-STRUCTURAL REFERENCE DRAWINGS**

17	6134-SK-C-800901	A	NRG - EL SEGUNDO RELOCATION PROJECT, FIRE HYDRANT, FIRE HYDRANT STUDY AT TANK FARM	8/2/2011
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### **VENDOR GENERAL DATA**

18	GRADING PLAN REVIEW		GRADING PLAN REVIEW, NRG EL SEGUNDO TANK RELOCATION PROJECT - SOUTH AREA GRADING, EL SEGUNDO, CALIFORNIA	2/3/2011
19	SUPPLEMENTAL GEOTECHNICAL		SUPPLEMENTAL GEOTECHNICAL RECOMMENDATIONS, NRG EL SEGUNDO TANK RELOCATION PROJECT, EL SEGUNDO, CALIFORNIA	9/3/2011

Thank you,

Project Manager



Date: 8/4/2011
To: CBO Office
Joni Boren
3071 Miraloma Ave
Anaheim, CA 92806

From: Vijay Mistry
Address: 3330 Harbor Blvd
Costa Mesa, CA 92626
714-466-7100
www.brinderson.com

Ref Pkg No.: CBO-317

BT Project: E6605N001, NRG - ENG TASK 2010 SUPPORT - RECLAIM WATER

Find attached 4 Enclosures, 1 copie(s) each, which are released
as ISSUED FOR CBO APPROVAL

Remarks:

PACKAGE WILL BE DELIVER VIA FEDEX.

Copies To

Brinderson

Vijay Mistry (E), Jim Prendergast (E), Chau Tang (E), G.T Le (E), Duane Petersen (E), Gloria Tai (E),
Efren Terrible (E), Ganesh Dore (E), George Lozano (E), Manny Gracia (E), Project File (T)

CBO

Joni Boren (2F+E)

NRG - El Segundo

Marc Kodis (E), Scott Seipel (E), David Michelsen (E), Kiet Lam (E), Johan Lueschen (E), Nola Donathan (E),
Nick Laporte (E), Robert Rea (E)

Table with 5 columns: Encl. No., Number, Rev., Title, Date. Rows include GENERAL PROJECT DOCUMENTS, PIPING DRAWINGS, and PIPING ISOMETRICS.

Thank you,

Project Manager



Date: 8/4/2011
To: CBO Office
Joni Boren
3071 Miraloma Ave
Anaheim, CA 92806

From: Vijay Mistry
Address: 3330 Harbor Blvd
Costa Mesa, CA 92626
714-466-7100
www.brinderson.com

Ref Pkg No.: CBO-206

BT Project: E6605N001, NRG - ENG TASK 2010 SUPPORT - PERIMETER WALL

Find attached 11 Enclosures, 1 copie(s) each, which are released
as ISSUED FOR CBO APPROVAL

Remarks:

PACKAGE WILL BE DELIVER VIA FEDEX.

Copies To

Brinderson

Vijay Mistry (E), Jim Prendergast (E), Chau Tang (E), G.T Le (E), Duane Petersen (E), Gloria Tai (E),
Efren Terrible (E), Ganesh Dore (E), George Lozano (E), Koladi Kripanarayanan (E), Darin Mckee (E),
Dave Benner (E), Project File (T)

CBO

Joni Boren (2F+E)

NRG - El Segundo

Marc Kodis (E), Scott Seipel (E), David Michelsen (E), Kiet Lam (E), Johan Lueschen (E), Nola Donathan (E),
Nick Laporte (E), Robert Rea (E)

Table with 5 columns: Encl. No., Number, Rev., Title, Date. Contains entries for CIVIL-STRUCTURAL CALCULATIONS and CIVIL-STRUCTURAL DRAWINGS.

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<b>Encl. No.</b>	<b>Number</b>	<b>Rev.</b>	<b>Title</b>	<b>Date</b>
9	6134-S-826024	0	NRG - EL SEGUNDO RELOCATION PROJECT, PERIMETER WALL, SECTIONS & DETAILS	8/2/2011
10	6134-S-826030	0	NRG - EL SEGUNDO RELOCATION PROJECT, PERIMETER WALL, CHAIN LINK FENCE DETAILS	8/2/2011
<b>VENDOR GENERAL DATA</b>				
11	SUPPLEMENTAL GEOTECHNICAL		SUPPLEMENTAL GEOTECHNICAL RECOMMENDATIONS, FOR RETAINING WALL, NRG EL SEGUNDO RELOCATION PROJECT	5/12/2011

Thank you,

Project Manager



**Date:** 8/5/2011  
**To:** CBO Office  
Joni Boren  
3071 Miraloma Ave  
Anaheim, CA 92806

**From:** Vijay Mistry  
**Address:** 3330 Harbor Blvd  
Costa Mesa, CA 92626  
714-466-7100  
www.brinderson.com

**Ref Pkg No.: CBO-204**

**BT Project:** E6605N001, NRG - ENG TASK 2010 SUPPORT, WATER PLANT

**Find attached 11 Enclosures, 1 copie(s) each, which are released as ISSUED FOR CBO APPROVAL**

**Remarks:**

**PACKAGE WILL BE DELIVER VIA FEDEX.**

**Copies To**

**Brinderson**

Vijay Mistry (E), Jim Prendergast (E), Chau Tang (E), G.T Le (E), Duane Petersen (E), Gloria Tai (E), Efren Terrible (E), Ganesh Dore (E), George Lozano (E), Koladi Kripanarayanan (E), Darin Mckee (E), Dave Benner (E), Project File (T)

**CBO**

Joni Boren (2F+E)

**NRG - El Segundo**

Marc Kodis (E), Scott Seipel (E), David Michelsen (E), Kiet Lam (E), Johan Lueschen (E), Nola Donathan (E), Nick Laporte (E), Robert Rea (E)

Encl. No.	Number	Rev.	Title	Date
<b>CIVIL-STRUCTURAL CALCULATIONS</b>				
1	CBO-204 PIPE SUPPORT CALCS		CIVIL STRUCTURAL CALCULATIONS, PIPE SUPPORT CALCULATIONS,	7/13/2011
2	CBO-204 SLEEPER SUPPORT CALS		CIVIL STRUCTURAL CALCULATIONS, SLEEPER SUPPORT CALCULATIONS,	7/13/2011
<b>CIVIL-STRUCTURAL DRAWINGS</b>				
3	6134-C-808001	3	NRG - EL SEGUNDO RELOCATION PROJECT, WATER PLANT, COVER SHEET	7/29/2011
4	6134-C-808020	4	NRG - EL SEGUNDO RELOCATION PROJECT, WATER PLANT, FOUNDATION LOCATION PLAN	7/29/2011
5	6134-C-808025	3	NRG - EL SEGUNDO RELOCATION PROJECT, WATER PLANT, SUPPORT FOUNDATION SCHEDULE & DETAILS	7/29/2011
6	6134-C-808028	0	NRG - EL SEGUNDO RELOCATION PROJECT, WATER PLANT, SLEEPER SUPPORT #1	7/29/2011
7	6134-C-808030	0	NRG - EL SEGUNDO RELOCATION PROJECT, WATER PLANT, SLEEPER SUPPORT #2	7/29/2011

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<b>Encl. No.</b>	<b>Number</b>	<b>Rev.</b>	<b>Title</b>	<b>Date</b>
8	6134-C-808050	3	NRG - EL SEGUNDO RELOCATION PROJECT, WATER PLANT, STEEL SUPPORT SCHEDULE & DETAILS	7/29/2011
9	6134-C-808070	0	NRG - EL SEGUNDO RELOCATION PROJECT, WATER PLANT, AREA PAVING PLAN	7/29/2011
10	6134-C-808071	0	NRG - EL SEGUNDO RELOCATION PROJECT, WATER PLANT, FIRE ACCESS PAVING PLAN	7/29/2011
<b>GENERAL PROJECT DOCUMENTS</b>				
11	DCR-009		DESIGN CHANGE REQUEST - 009,	8/2/2011

Thank you,

Project Manager



Date: 8/10/2011
To: Joni Boren
NRG
301 Vista Del Mar
El Segundo, Ca 90245

From: Vijay Mistry
Address: 3330 Harbor Blvd
Costa Mesa, CA 92626
714-466-7100
www.brinderson.com

Ref Pkg No.: CBO-405

BT Project: E6605N001, NRG - ENG TASK 2010 SUPPORT, FIRE WATER & SERVICE WATER

Find attached 5 Enclosures, 1 copie(s) each, which are released
as ISSUED FOR CBO APPROVAL

Remarks:

PACKAGE WILL BE DELIVER VIA FEDEX.

Copies To

Brinderson

Vijay Mistry (E), Jim Prendergast (E), Chau Tang (E), G.T Le (E), Duane Petersen (E), Gloria Tai (E),
Efren Terrible (E), Ganesh Dore (E), George Lozano (E), Dave Benner (E), Project File (T)

CBO

Joni Boren (2F+E)

NRG - El Segundo

Marc Kodis (E), Scott Seipel (E), David Michelsen (E), Kiet Lam (E), Johan Lueschen (E), Nola Donathan (E),
Nick Laporte (E), Robert Rea (E)

Table with 5 columns: Encl. No., Number, Rev., Title, Date. Contains 5 rows of electrical drawings and general documents.



Date: 8/11/2011
To: Jonis Boren
NRG
301 Vista Del Mar
El Segundo, Ca 90245

From: Vijay Mistry
Address: 3330 Harbor Blvd
Costa Mesa, CA 92626
714-466-7100
www.brinderson.com

Ref Pkg No.: CBO-405

BT Project: E6605N001, NRG - ENG TASK 2010 SUPPORT, FIRE WATER & SERVICE WATER

Find attached 4 Enclosures, 1 copie(s) each, which are released
as ISSUED FOR CBO APPROVAL

Remarks:

UNDERGROUND

PACKAGE WILL BE DELIVER VIA FEDEX.

CLIENT REQUESTED THE NUMBER OF SPARE CONDUITS BE REDUCED TO MINIMIZE DUCT BANK WIDTHS.

Copies To

Brinderson

Vijay Mistry (E), Jim Prendergast (E), Chau Tang (E), G.T Le (E), Duane Petersen (E), Gloria Tai (E),
Efren Terrible (E), Ganesh Dore (E), George Lozano (E), Dave Benner (E), Project File (T)

CBO

Joni Boren (2F+E)

NRG - El Segundo

Marc Kodis (E), Scott Seipel (E), David Michelsen (E), Kiet Lam (E), Johan Lueschen (E), Nola Donathan (E),
Nick Laporte (E), Robert Rea (E)

Table with 5 columns: Encl. No., Number, Rev., Title, Date. Contains 4 rows of electrical drawing details.

Thank you,

Project Manager



Date: 8/12/2011
To: Jonis Boren
NRG
301 Vista Del Mar
El Segundo, Ca 90245

From: Vijay Mistry
Address: 3330 Harbor Blvd
Costa Mesa, CA 92626
714-466-7100
www.brinderson.com

Ref Pkg No.: CBO-405

BT Project: E6605N001, NRG - ENG TASK 2010 SUPPORT, FIRE WATER & SERVICE WATER

Find attached 4 Enclosures, 1 copie(s) each, which are released
as ISSUED FOR CBO APPROVAL

Remarks:

ABOVEGROUND

PACKAGE WILL BE DELIVER VIA FEDEX.

CLIENT REQUESTED THE NUMBER OF SPARE CONDUITS BE REDUCED TO MINIMIZE DUCT BANK WIDTHS.

Copies To

Brinderson

Vijay Mistry (E), Jim Prendergast (E), Chau Tang (E), G.T Le (E), Duane Petersen (E), Gloria Tai (E),
Efren Terrible (E), Ganesh Dore (E), George Lozano (E), Dave Benner (E), Project File (T)

CBO

Joni Boren (2F+E)

NRG - El Segundo

Marc Kodis (E), Scott Seipel (E), David Michelsen (E), Kiet Lam (E), Johan Lueschen (E), Nola Donathan (E),
Nick Laporte (E), Robert Rea (E)

Table with 5 columns: Encl. No., Number, Rev., Title, Date. Contains 4 rows of electrical drawing details under the heading 'ELECTRICAL DRAWINGS'.

Thank you,

Project Manager



Date: 8/12/2011
To: Jonis Boren
NRG
301 Vista Del Mar
El Segundo, Ca 90245

From: Vijay Mistry
Address: 3330 Harbor Blvd
Costa Mesa, CA 92626
714-466-7100
www.brinderson.com

Ref Pkg No.: CBO-1010

BT Project: E6605N001, NRG - ENG TASK 2010 SUPPORT, FIRE HYDRANT RELO (TANK FARM)

Find attached 3 Enclosures, 1 copie(s) each, which are released
as ISSUED FOR CBO APPROVAL

Remarks:

PACKAGE WILL BE DELIVER VIA FEDEX.

Copies To

Brinderson

Vijay Mistry (E), Jim Prendergast (E), Chau Tang (E), G.T Le (E), Duane Petersen (E), Gloria Tai (E),
Efren Terrible (E), Ganesh Dore (E), George Lozano (E), Manny Gracia (E), Project File (T)

CBO

Joni Boren (2F+E)

NRG - El Segundo

Marc Kodis (E), Scott Seipel (E), David Michelsen (E), Kiet Lam (E), Johan Lueschen (E), Nola Donathan (E),
Nick Laporte (E), Robert Rea (E)

Table with 5 columns: Encl. No., Number, Rev., Title, Date. Contains entries for PIPING DRAWINGS, PIPING GENERAL DOCUMENTS, and PIPING ISOMETRICS.

Thank you,

Project Manager



Date: 8/16/2011
To: Marc Kodis
NRG
301 Vista Del Mar
El Segundo, Ca 90245

From: Vijay Mistry
Address: 3330 Harbor Blvd
Costa Mesa, CA 92626
714-466-7100
www.brinderson.com

Ref Pkg No.: CBO-326

BT Project: E6605N001, NRG - ENG TASK 2010 SUPPORT - A/G SEWER PIPING DESIGN

Find attached 7 Enclosures, 1 copie(s) each, which are released
as ISSUED FOR APPROVAL

Remarks:

PLEASE RETURN YOUR COMMENTS/APPROVAL ON OR BEFORE AUGUST 19, 2011. BRINDERSON ENGINEERING WILL PROCEED IF COMMENTS AND/OR APPROVAL ARE NOT RECEIVED BY THAT DATE.

Copies To

Brinderson

Vijay Mistry (E), Duane Petersen (E), Jim Prendergast (E), G.T Le (E), Chau Tang (E), Gloria Tai (E), Efren Terrible (E), Ganesh Dore (E), Manny Gracia (E), Project File (T)

NRG - El Segundo

Marc Kodis (E), Scott Seipel (E), David Michelsen (E), Kiet Lam (E), Johan Lueschen (E), Nola Donathan (E), Nick Laporte (E), Robert Rea (E)

Table with 5 columns: Encl. No., Number, Rev., Title, Date. Contains 6 rows of drawing and document information, including sections for PIPING DRAWINGS, PIPING GENERAL DOCUMENTS, and PIPING ISOMETRICS.

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<b>Encl. No.</b>	<b>Number</b>	<b>Rev.</b>	<b>Title</b>	<b>Date</b>
7	6134-P-805112	A	NRG - EL SEGUNDO RELOCATION PROJECT, SANITARY SEWER SYTEM - ABOVE GROUND, PIPING ISOMETRIC	8/15/2011

Thank you,

Project Manager



**Date:** 8/17/2011  
**To:** Joni Boren  
CBO  
301 Vista Del Mar  
El Segundo, Ca 90245

**From:** Vijay Mistry  
**Address:** 3330 Harbor Blvd  
Costa Mesa, CA 92626  
714-466-7100  
www.brinderson.com

**Ref Pkg No.: CBO-311**

**BT Project:** E6605N001, NRG - ENG TASK 2010 SUPPORT DEMIN WATER SYS MECH/INST/ PIPING

**Find attached 43 Enclosures, 1 copie(s) each, which are released**

**as ISSUED FOR CBO INFORMATION**

**Remarks:**

**DEMIN TARSCO CERTIFIED DRAWINGS**

**PACKAGE WILL BE HAND-DELIVERED ON FRIDAY 8-19-11 BY LORENA SCOTT.**

**Copies To**

**Brinderson**

Vijay Mistry (E), Morteza Panbechi (E), G.T. Le (E), Jim Prendergast (E), Koladi Kripanarayanan (E), Darin McKee (E), Chau Tang (E), Dave Benner (E), Duane Petersen (E), Francis Fuentes (E), Gloria Tai (E), Naren Shah (E), Ganesh Dore (E), George Lozano (E), Derrick Shrupert (E), Project File (T)

**CBO**

Joni Boren (2F+E)

**NRG- El Segundo**

Marc Kodis (E), Scott Seipel (E), David Michelsen (E), Kiet Lam (E), Johan Lueschen (E), Nola Donathan (E), Nick Laporte (E), Robert Rea (E)

Encl. No.	Number	Rev.	Title	Date	Status Code
<b>SUPPLIER DATA</b>					
1	4025C-DM1-01	1	TK-DM1, GENERAL NOTES	5/19/2011	I
2	4025C-DM1-02	1	TK-DM1, DEMIN WATER DESIGN SHEET	6/13/2011	I
3	4025C-DM1-02a	1	TK-DM1, TANK ORIENTATION	5/20/2011	I
4	4025C-DM1-03	0	TK-DM1, BOTTOM LAYOUT		I
5	4025C-DM1-04	2	TK-DM1, NAMEPLATE INSTALLATION	6/13/2011	I
6	4025C-DM1-05	0	TK-DM1, SHELL PLATE ERECTION		I
7	4025C-DM1-06	0	TK-DM1, GROUNDING LUG INSTALLATION		I
8	4025C-DM1-07a	0	TK-DM1, ROOF - GENERAL		I
9	4025C-DM1-09	0	TK-DM1, ANCHOR CHAIR ERECTION / BOLT LAYOUT		I
10	4025C-DM1-10	1	TK-DM1, SHELL NOZZLE INSTALLATION	5/20/2011	I
11	4025C-DM1-13	2	TK-DM1, LIQUID LEVER INDICATOR INSTALLATION	6/13/2011	I
12	4025C-DM1-20	0	TK-DM1, 24" SHELL MANHOLE WITH HANDRAIL INSTALLATION		I
13	4025C-DM1-21	0	TK-DM1, 12" GOOSENECK VENT WITH SCREEN INSTALLATION		I
14	4025C-DM1-22	0	TK-DM1, 24" ROOF MANWAY ERECTION		I
15	4025C-DM1-24	2	TK-DM1, LADDER & HANDRAIL ERECTION	6/13/2011	I
16	4025C-DM1-25	1	TK-DM1, INTERNAL PIPING ERECTION	5/20/2011	I
17	4025C-DM1-27	0	TK-DM1, SQUARE ROOF HATCH / INTERNAL LADDER ERECTION		I

Encl. No.	Number	Rev.	Title	Date	Status Code
18	4025C-DM1-F01	2	TK-DM1, NAMEPLATE DETAILS	6/13/2011	I
19	4025C-DM1-F02	0	TK-DM1, BOTTOM CUTTING DIAGRAM & BOM		I
20	4025C-DM1-F03	1	TK-DM1, GROUNDING LUG DETAILS	5/19/2011	I
21	4025C-DM1-F04a	0	TK-DM1, COMPRESSION RING DETAILS		I
22	4025C-DM1-F04b	0	TK-DM1, RAFTER AND ROOF PLATE DETAILS		I
23	4025C-DM1-F05	0	TK-DM1, SHELL PLATE DETAILS		I
24	4025C-DM1-F06	1	TK-DM1, ANCHOR CHAIR DETAILS	5/19/2011	I
25	4025C-DM1-F10	2	TK-DM1, SHELL NOZZLE FABRICATION	7/27/2011	I
26	4025C-DM1-F18	1	TK-DM1, MANHOLE WITH HANDRAIL DETAILS	7/27/2011	I
27	4025C-DM1-F19a	1	TK-DM1, GOOSENECK VENT WITH BIRDSCREEN DETAILS	7/27/2011	I
28	4025C-DM1-F19B	1	TK-DM1, GOOSENECK VENT WITH BIRDSCREEN DETAILS	7/8/2011	I
29	4025C-DM1-F20	0	TK-DM1, 24" ROOF MANWAY DETAILS		I
30	4025C-DM1-F21	0	TK-DM1, LIQUID LEVEL INDICATOR DETAILS		I
31	4025C-DM1-F22a	1	TK-DM1, LADDER SIDE STEP LEFT DETAILS	7/27/2011	I
32	4025C-DM1-F22b	1	TK-DM1, CAGED LADDER DETAILS	7/27/2011	I
33	4025C-DM1-F23	3	TK-DM1, HANDRAIL DETAILS	7/27/2011	I
34	4025C-DM1-F24a	0	TK-DM1, PLATFORM SIDE STEP LEFT DETAILS		I
35	4025C-DM1-F24b	0	TK-DM1, PLATFORM SIDE STEP LEFT DETAILS		I
36	4025C-DM1-F25	1	TK-DM1, M4 SQUARE ROOF MANWAY DETAILS	5/19/2011	I
37	4025C-DM1-F26	1	TK-DM1, INTERNAL LADDER DETAILS	7/27/2011	I
38	4025C-DM1-F27	2	TK-DM1, INTERNAL PIPING DETAILS	7/27/2011	I
39	4025C-DM1-F28	0	TK-DM1, EXTERNAL SUPPORT DETAILS		I
40	4025C-DM1-F29	0	TK-DM1, INSPECTION HATCH DETAILS		I
41	4025C-DM1-QF25	0	TK-DM1, BOTTOM WELD MAP		I
42	4025C-DM1-QF26	0	TK-DM1, SHELL RT MAP		I
43	TANK TK-DM1 DESIGN	1	TK-DM1, CALCULATIONS - DEMINERALIZED WATER TANK	3/3/2011	I

*Thank you,*

*Project Manager*



Date: 8/17/2011
To: Joni Boren
CBO
301 Vista Del Mar
El Segundo, Ca 90245

From: Vijay Mistry
Address: 3330 Harbor Blvd
Costa Mesa, CA 92626
714-466-7100
www.brinderson.com

Ref Pkg No.: CBO-311

BT Project: E6605N001, NRG - ENG TASK 2010 SUPPORT DEMIN WATER SYS MECH/INST/ PIPING

Find attached 37 Enclosures, 1 copie(s) each, which are released

as ISSUED FOR CBO INFORMATION

Remarks:

MIXING TARSCO CERTIFIED DRAWINGS

PACKAGE WILL BE HAND-DELIVERED ON FRIDAY 8-19-11 BY LORENA SCOTT.

Copies To

Brinderson

Vijay Mistry (E), Morteza Panbechi (E), G.T. Le (E), Jim Prendergast (E), Koladi Kripanarayanan (E), Darin McKee (E), Chau Tang (E), Dave Benner (E), Duane Petersen (E), Francis Fuentes (E), Gloria Tai (E), Naren Shah (E), Ganesh Dore (E), George Lozano (E), Derrick Shrumper (E), Project File (T)

CBO

Joni Boren (2F+E)

NRG- El Segundo

Marc Kodis (E), Scott Seipel (E), David Michelsen (E), Kiet Lam (E), Johan Lueschen (E), Nola Donathan (E), Nick Laporte (E), Robert Rea (E)

Table with 6 columns: Encl. No., Number, Rev., Title, Date, Status Code. Contains 17 rows of supplier data including titles like 'TK-MX1, GENERAL NOTES' and 'TK-MX1, SHELL NOZZLE INSTALLATION'.

<b>Encl. No.</b>	<b>Number</b>	<b>Rev.</b>	<b>Title</b>	<b>Date</b>	<b>Status Code</b>
18	4025E-MX1-F02	0	TK-MX1, BOTTOM CUTTING DIAGRAM & BOM		I
19	4025E-MX1-F03	0	TK-MX1, GROUNDING LUG DETAILS		I
20	4025E-MX1-F04	1	TK-MX1, ROOF CUTTING DIAGRAM & BOM	7/8/2011	I
21	4025E-MX1-F05	0	TK-MX1, SHELL PLATE DETAILS		I
22	4025E-MX1-F06	1	TK-MX1, ANCHOR CHAIR DETAILS	6/17/2011	I
23	4025E-MX1-F10	1	TK-MX1, SHELL NOZZLE FABRICATION	5/18/2011	I
24	4025E-MX1-F18	1	TK-MX1, 24" MANHOLE DETAILS	7/27/2011	I
25	4025E-MX1-F19a	0	TK-MX1, GOOSENECK VENT WITH BIRDSCREEN DETAILS		I
26	4025E-MX1-F19B	0	TK-MX1, GOOSENECK VENT WITH BIRDSCREEN DETAILS		I
27	4025E-MX1-F21	1	TK-MX1, LIQUID LEVEL INDICATOR DETAILS	5/19/2011	I
28	4025E-MX1-F23	2	TK-MX1, HANDRAIL DETAILS	7/27/2011	I
29	4025E-MX1-F25	1	TK-MX1, M4 SQUARE ROOF MANWAY DETAILS	5/19/2011	I
30	4025E-MX1-F26	1	TK-MX1, INTERNAL LADDER DETAILS	7/27/2011	I
31	4025E-MX1-F27	1	TK-MX1, INTERNAL PIPING DETAILS	5/19/2011	I
32	4025E-MX1-F28	0	TK-MX1, EXTERNAL SUPPORT DETAILS		I
33	4025E-MX1-F29	0	TK-MX1, INSPECTION HATCH DETAILS		I
34	4025E-MX1-QF23	1	TK-MX1, BOTTOM WELD MAP	5/19/2011	I
35	4025E-MX1-QF24	1	TK-MX1, SHELL WELD MAP		I
36	4025E-MX1-QF25	2	TK-MX1, SHELL RT MAP	7/27/2011	I
37	TANK TK-MX1 DESIGN	1	TK-MX1, CALCULATIONS - MIXING WATER TANK	3/3/2011	I

*Thank you,*

*Project Manager*



Date: 8/17/2011
To: Joni Boren
CBO
301 Vista Del Mar
El Segundo, Ca 90245

From: Vijay Mistry
Address: 3330 Harbor Blvd
Costa Mesa, CA 92626
714-466-7100
www.brinderson.com

Ref Pkg No.: CBO-311

BT Project: E6605N001, NRG - ENG TASK 2010 SUPPORT DEMIN WATER SYS MECH/INST/ PIPING

Find attached 50 Enclosures, 1 copie(s) each, which are released

as ISSUED FOR CBO INFORMATION

Remarks:

RAW WATER TARSCO CERTIFIED DRAWINGS

PACKAGE WILL BE HAND-DELIVERED ON FRIDAY 8-19-11 BY LORENA SCOTT.

Copies To

Brinderson

Vijay Mistry (E), Morteza Panbechi (E), G.T. Le (E), Jim Prendergast (E), Koladi Kripanarayanan (E), Darin McKee (E), Chau Tang (E), Dave Benner (E), Duane Petersen (E), Francis Fuentes (E), Gloria Tai (E), Naren Shah (E), Ganesh Dore (E), George Lozano (E), Derrick Shrupert (E), Project File (T)

CBO

Joni Boren (2F+E)

NRG- El Segundo

Marc Kodis (E), Scott Seipel (E), David Michelsen (E), Kiet Lam (E), Johan Lueschen (E), Nola Donathan (E), Nick Laporte (E), Robert Rea (E)

Table with 6 columns: Encl. No., Number, Rev., Title, Date, Status Code. Contains 17 rows of supplier data including items like TK-RW1, GENERAL NOTES, RAW WATER TANK DESIGN SHEET, etc.

Encl. No.	Number	Rev.	Title	Date	Status Code
18	4025D-RW1-22	0	TK-RW1, 24" ROOF MANWAY ERECTION		I
19	4025D-RW1-24	2	TK-RW1, LADDER & HANDRAIL ERECTION	6/17/2011	I
20	4025D-RW1-25	1	TK-RW1, INTERNAL PIPING ERECTION	5/19/2011	I
21	4025D-RW1-27	0	TK-RW1, SQUARE ROOF HATCH/ INTERNAL LADDER ERECTION		I
22	4025D-RW1-F01	2	TK-RW1, NAMEPLATE DETAILS	6/17/2011	I
23	4025D-RW1-F02	0	TK-RW1, BOTTOM CUTTING DIAGRAM & BOM		I
24	4025D-RW1-F03	1	TK-RW1, GROUNDING LUG DETAILS	5/18/2011	I
25	4025D-RW1-F04a	1	TK-RW1, BULL RING DETAILS	7/27/2011	I
26	4025D-RW1-F04b	1	TK-RW1, CENTER COLUMN DETAILS	7/27/2011	I
27	4025D-RW1-F04c	1	TK-RW1, RAFTER & SHELL CLIP DETAILS	7/27/2011	I
28	4025D-RW1-F05	0	TK-RW1, SHELL PLATE DETAILS		I
29	4025D-RW1-F06	0	TK-RW1, ANCHOR CHAIR DETAILS		I
30	4025D-RW1-F07	0	TK-RW1, ROOF CUTTING DIAGRAM & BOM		I
31	4025D-RW1-F10	1	TK-RW1, SHELL NOZZLE FABRICATION	5/18/2011	I
32	4025D-RW1-F17	0	TK-RW1, 36" MANHOLE DETAILS		I
33	4025D-RW1-F18	0	TK-RW1, MANHOLE WITH HANDRAIL DETAILS		I
34	4025D-RW1-F19a	1	TK-RW1, GOOSENECK VENT WITH BIRDSCREEN DETAILS	7/27/2011	I
35	4025D-RW1-F19B	1	TK-RW1, GOOSENECK VENT WITH BIRDSCREEN DETAILS		I
36	4025D-RW1-F20	0	TK-RW1, 24" ROOF MANWAY DETAILS		I
37	4025D-RW1-F21	0	TK-RW1, LIQUID LEVEL INDICATOR DETAILS		I
38	4025D-RW1-F22a	1	TK-RW1, LADDER SIDE STEP LEFT DETAILS	7/27/2011	I
39	4025D-RW1-F22b	1	TK-RW1, CAGED LADDER DETAILS	7/27/2011	I
40	4025D-RW1-F23	3	TK-RW1, HANDRAIL DETAILS	7/27/2011	I
41	4025D-RW1-F24a	0	TK-RW1, PLATFORM SIDE STEP LEFT DETAILS		I
42	4025D-RW1-F24b	0	TK-RW1, DETAILS		I
43	4025D-RW1-F25	1	TK-RW1, M4 SQUARE ROOF MANWAY DETAILS	5/19/2011	I
44	4025D-RW1-F26	1	TK-RW1, INTERNAL LADDER DETAILS	7/27/2011	I
45	4025D-RW1-F27	2	TK-RW1, INTERNAL PIPING DETAILS	7/27/2011	I
46	4025D-RW1-F28	0	TK-RW1, EXTERNAL SUPPORT DETAILS		I
47	4025D-RW1-F29	0	TK-RW1, INSPECTION HATCH DETAILS		I
48	4025D-RW1-QF25	0	TK-RW1, BOTTOM WELD MAP		I
49	4025D-RW1-QF26	0	TK-RW1, SHELL RT MAP		I
50	TANK TK-RW1 DESIGN	1	TK-RW1, CALCULATIONS - RAW WATER TANK	3/3/2011	I

*Thank you,*

*Project Manager*



Date: 8/18/2011  
To: Joni Boren  
CBO  
301 Vista Del Mar  
El Segundo, Ca 90245

From: Vijay Mistry  
Address: 3330 Harbor Blvd  
Costa Mesa, CA 92626  
714-466-7100  
www.brinderson.com

**Ref Pkg No.: CBO-324**

**BT Project:** E6605N001, NRG - ENG TASK 2010 SUPPORT DEMIN WATER SYS MECH/INST/ PIPING

**Find attached 11 Enclosures, 1 copie(s) each, which are released  
as ISSUED FOR CBO INFORMATION**

**Remarks:**

**FIRE WATER TARSCO CERTIFIED DRAWINGS**

**PACKAGE WILL BE HAND-DELIVERED ON FRIDAY 8-19-11 BY LORENA SCOTT.**

**Copies To**

**Brinderson**

Vijay Mistry (E), Morteza Panbechi (E), G.T. Le (E), Jim Prendergast (E), Koladi Kripanarayanan (E), Darin McKee (E), Chau Tang (E), Dave Benner (E), Duane Petersen (E), Francis Fuentes (E), Gloria Tai (E), Naren Shah (E), Ganesh Dore (E), George Lozano (E), Derrick Shrupert (E), Project File (T)

**CBO**

Joni Boren (2F+E)

**NRG- El Segundo**

Marc Kodis (E), Scott Seipel (E), David Michelsen (E), Kiet Lam (E), Johan Lueschen (E), Nola Donathan (E), Nick Laporte (E), Robert Rea (E)

Encl. No.	Number	Rev.	Title	Date	Status Code
<b>SUPPLIER DATA</b>					
1	4025B-FW1-07a	2	TK-FW1, ROOF SUPPORT - GENERAL	7/26/2011	I
2	4025B-FW1-F04a	2	TK-FW1, BULL RING DETAILS	7/26/2011	I
3	4025B-FW1-F04b	2	TK-FW1, CENTER COLUMN DETAILS	7/26/2011	I
4	4025B-FW1-F04c	2	TK-FW1, RAFTER AND SHELL CLIP DETAILS	7/26/2011	I
5	4025B-FW1-F18	2	TK-FW1, MANHOLE WITH HANDRAIL DETAILS	7/27/2011	I
6	4025B-FW1-F19a	2	TK-FW1, GOOSENECK VENT WITH BIRDSCREEN DETAILS	7/27/2011	I
7	4025B-FW1-F22a	1	TK-FW1, LADDER SIDE STEP LEFT DETAILS	7/27/2011	I
8	4025B-FW1-F22b	2	TK-FW1, CAGED LADDER DETAILS	7/27/2011	I
9	4025B-FW1-F23	4	TK-FW1, HANDRAIL DETAILS	7/27/2011	I
10	4025B-FW1-F26	1	TK-FW1, INTERNAL LADDER DETAILS	7/27/2011	I
11	4025B-FW1-F27	2	TK-FW1, INTERNAL PIPING DETAILS	7/27/2011	I

*Thank you,*

*Project Manager*



Date: 8/18/2011
To: Joni Boren
NRG
301 Vista Del Mar
El Segundo, Ca 90245

From: Vijay Mistry
Address: 3330 Harbor Blvd
Costa Mesa, CA 92626
714-466-7100
www.brinderson.com

Ref Pkg No.: CBO-327

BT Project: E6605N001, NRG - ENG TASK 2010 SUPPORT- FIRST PASS R.O. WATER SYSTEM

Find attached 17 Enclosures, 1 copie(s) each, which are released
as ISSUED FOR CBO APPROVAL

Remarks:

PACKAGE WILL BE HAND DELIVER ON FRIDAY 8-19-11 BY LORENA SCOTT.

Copies To

Brinderson

Vijay Mistry (E), Duane Petersen (E), Manny Gracia (E), Jim Prendergast (E), Koladi Kripa (E), Chau Tang (E),
G.T Le (E), Gloria Tai (E), Ganesh Dore (E), Project File (T)

CBO

Joni Boren (2F+E)

NRG - El Segundo

Marc Kodis (E), Scott Seipel (E), David Michelsen (E), Kiet Lam (E), Johan Lueschen (E), Nola Donathan (E),
Nick Laporte (E), Robert Rea (E)

Table with 5 columns: Encl. No., Number, Rev., Title, Date. Contains entries for CIVIL-STRUCTURAL CALCULATIONS and PIPING DRAWINGS.

<b>Encl. No.</b>	<b>Number</b>	<b>Rev.</b>	<b>Title</b>	<b>Date</b>
8	P-STD-40.24	0	"S-1" PIPE SHOE FOR HEAT INSULATED CS PIPE,	7/7/2008
9	P-STD-40.31	0	"PG-3" PIPE GUIDES 3" THRU 10",	7/7/2008
10	P-STD-40.47	0	PU-1 PICK-UP SUPPORT, 3" - 24" PIPE	7/7/2008
<b>PIPING GENERAL DOCUMENTS</b>				
11	6134-P-LST-023	0	NRG - EL SEGUNDO RELOCATION PROJECT, RECLAIM WATER - FIRST PASS R.O., TIE-IN LIST	8/12/2011
<b>PIPING ISOMETRICS</b>				
12	6134-P-810309	0	NRG - EL SEGUNDO RELOCATION PROJECT, RECLAIM WATER - FIRST PASS R.O., PIPING ISOMETRIC	8/12/2011
13	6134-P-810310	0	NRG - EL SEGUNDO RELOCATION PROJECT, RECLAIM WATER - FIRST PASS R.O., PIPING ISOMETRIC	8/12/2011
14	6134-P-810311	0	NRG - EL SEGUNDO RELOCATION PROJECT, RECLAIM WATER - FIRST PASS R.O., PIPING ISOMETRIC	8/12/2011
15	6134-P-810312	0	NRG - EL SEGUNDO RELOCATION PROJECT, RECLAIM WATER - FIRST PASS R.O., PIPING ISOMETRIC	8/12/2011
16	6134-P-810313	0	NRG - EL SEGUNDO RELOCATION PROJECT, RECLAIM WATER - FIRST PASS R.O., PIPING ISOMETRIC	8/12/2011
<b>PIPING REFERENCE DRAWINGS</b>				
17	6134-P-890000	3	NRG - EL SEGUNDO RELOCATION PROJECT, MISCELLANEOUS SERVICES, PIPE SUPPORT AND HANGER DETAILS	1/4/2011

Thank you,

Project Manager



**Date:** 8/18/2011  
**To:** Joni Boren  
NRG  
301 Vista Del Mar  
El Segundo, Ca 90245

**From:** Vijay Mistry  
**Address:** 3330 Harbor Blvd  
Costa Mesa, CA 92626  
714-466-7100  
www.brinderson.com

**Ref Pkg No.: CBO-914**

**BT Project:** E6605N001, NRG - ENG TASK 2010 SUPPORT - TEMP TRAILERS- ELECT.

---

**Find attached 1 Enclosures, 1 copie(s) each, which are released  
as ISSUED FOR CBO APPROVAL**

**Remarks:**

**PACKAGE WILL BE HAND DELIVER ON FRIDAY 8-19-11 BY LORENA SCOTT.**

---

**Copies To**

**Brinderson**

Vijay Mistry (E), Jim Prendergast (E), Chau Tang (E), Dave Benner (E), Ganesh Dore (E), Project File (T)

**CBO**

Joni Boren (2F+E)

**NRG - El Segundo**

Marc Kodis (E), Scott Seipel (E), David Michelsen (E), Kiet Lam (E), Johan Lueschen (E), Nola Donathan (E),  
Nick Laporte (E), Robert Rea (E)

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<b>Encl. No.</b>	<b>Number</b>	<b>Rev.</b>	<b>Title</b>	<b>Date</b>
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**ELECTRICAL GENERAL DOCUMENTS**

1	Respo. to Dispo CBO914 8-15-11		RESPONSE TO DISPOSITION CBO-914 8-15-11,	
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**Thank you,**

**Project Manager**



Date: 8/22/2011
To: CBO Office
Joni Boren
301 Vista Del Mar
El Segundo, Ca 90245

From: Vijay Mistry
Address: 3330 Harbor Blvd
Costa Mesa, CA 92626
714-466-7100
www.brinderson.com

Ref Pkg No.: CBO-323

BT Project: E6605N001, NRG - ENG TASK 2010 SUPPORT- INJECTION SKID PIPING

Find attached 6 Enclosures, 1 copie(s) each, which are released
as ISSUED FOR CBO APPROVAL

Remarks:

PIPING COMMENTS ON DISPOSTION CBO-325 ARE ATTACHED TO THIS TRANSMITTAL SINCE DRAWINGS ARE SHARED BY BOTH DISPOSITIONS.

PACKAGE TO BE HAND DELIVER BY LORENA SCOTT ON 8-22-11.

Copies To

Brinderson

Vijay Mistry (E), Duane Petersen (E), Manny Gracia (E), Jim Prendergast (E), G.T Le (E), Chau Tang (E), Gloria Tai (E), Efren Terrible (E), Ganesh Dore (E), Project File (T)

CBO

Joni Boren (2F+E)

NRG - El Segundo

Marc Kodis (E), Scott Seipel (E), David Michelsen (E), Kiet Lam (E), Johan Lueschen (E), Nola Donathan (E), Nick Laporte (E), Robert Rea (E)

Table with 5 columns: Encl. No., Number, Rev., Title, Date. Contains 6 rows of piping drawings and documents, including titles like 'PIPING DRAWINGS', 'PIPING GENERAL DOCUMENTS', 'PIPING ISOMETRICS', and 'PIPING REFERENCE DOCUMENTS'.



**Date:** 8/23/2011  
**To:** Joni Boren  
CBO  
301 Vista Del Mar  
El Segundo, Ca 90245

**From:** Vijay Mistry  
**Address:** 3330 Harbor Blvd  
Costa Mesa, CA 92626  
714-466-7100  
www.brinderson.com

**Ref Pkg No.: CBO-151**

**BT Project:** E6605N001, NRG - ENG TASK 2010 SUPPORT-TANK FARM MODIF. ACCESS ROAD

**Find attached 2 Enclosures, 1 copie(s) each, which are released as ISSUED FOR CBO APPROVAL**

**Remarks:**

**PACKAGE WILL BE DELIVER VIA FEDEX.**

**Copies To**

**Brinderson**

Vijay Mistry (E), Koladi Kripanarayanan (E), Jim Prendergast (E), Darin Mckee (E), Chau Tang (E), GT Le (E), Gloria Tai (E), Duane Petersen (E), Efren Terrible (E), Ganesh Dore (E), Project File (T)

**CBO**

Joni Boren (2F+E)

**NRG - El Segundo**

Marc Kodis (E), Scott Seipel (E), David Michelsen (E), Kiet Lam (E), Johan Lueschen (E), Nola Donathan (E), Nick Laporte (E), Robert Rea (E)

Encl. No.	Number	Rev.	Title	Date
<b>CIVIL-STRUCTURAL DRAWINGS</b>				
1	6134-C-813030	4	NRG - EL SEGUNDO RELOCATION PROJECT, SOUTH AREA GRADING, NEW UTILITIES PLAN	8/16/2011
<b>CIVIL-STRUCTURAL GENERAL DOCUMENTS</b>				
2	Respo to Dispo CBO-151 8-11-11		RESPONSE TO DISPOSITION CBO-151 8-11-11,	

Thank you,

Project Manager



Date: 8/23/2011
To: Joni Boren
CBO
301 Vista Del Mar
El Segundo, Ca 90245

From: Vijay Mistry
Address: 3330 Harbor Blvd
Costa Mesa, CA 92626
714-466-7100
www.brinderson.com

Ref Pkg No.: CBO-302

BT Project: E6605N001, NRG - ENG TASK 2010 SUPPORT- CONDENSATE TANK & PIPING

Find attached 9 Enclosures, 1 copie(s) each, which are released
as ISSUED FOR CBO APPROVAL

Remarks:
DRAWINGS REQUIRE PE STAMP, FOR RESUBMITTAL TO CBO.

PACKAGE WILL BE DELIVER VIA FEDEX.

Copies To

Brinderson

Vijay Mistry (E), Duane Petersen (E), Manny Gracia (E), Jim Prendergast (E), GT Le (E), Chau Tang (E),
Gloria Tai (E), Efren Terrible (E), George Lozano (E), Project File (T)

CBO

Joni Boren (2F+E)

NRG - El Segundo

Marc Kodis (E), Scott Seipel (E), David Michelsen (E), Kiet Lam (E), Johan Lueschen (E), Nola Donathan (E),
Nick Laporte (E), Robert Rea (E)

Table with 5 columns: Encl. No., Number, Rev., Title, Date. Contains entries for PIPING DRAWINGS, PIPING GENERAL DOCUMENTS, and PIPING ISOMETRICS.

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<b>Encl. No.</b>	<b>Number</b>	<b>Rev.</b>	<b>Title</b>	<b>Date</b>
7	6134-P-812006	4	NRG - EL SEGUNDO RELOCATION PROJECT, CONDESATE TANKS - DEMINERALIZED FROM RO, PIPING ISOMETRIC	5/20/2011
8	6134-P-812008	1	NRG - EL SEGUNDO RELOCATION PROJECT, CONDESATE TANKS - OVERFLOW, PIPING ISOMETRIC	1/27/2011
9	6134-P-812010	4	NRG - EL SEGUNDO RELOCATION PROJECT, CONDESATE TANKS - DEMINERALIZED WATER, PIPING ISOMETRIC	5/20/2011

Thank you,

Project Manager



**Date:** 8/23/2011  
**To:** Joni Boren  
CBO  
301 Vista Del Mar  
El Segundo, Ca 90245

**From:** Vijay Mistry  
**Address:** 3330 Harbor Blvd  
Costa Mesa, CA 92626  
714-466-7100  
www.brinderson.com

**Ref Pkg No.: CBO-405**

**BT Project:** E6605N001, NRG - ENG TASK 2010 SUPPORT, FIRE WATER & SERVICE WATER

**Find attached 2 Enclosures, 1 copie(s) each, which are released as ISSUED FOR CBO APPROVAL**

**Remarks:**

**PACKAGE WILL BE DELIVER VIA FEDEX.**

**UNDERGROUND**

**REVISED MCC-FW1 CONDUIT STUB-UPS PER MORROW-MEADOWS MARKED-UP DWG. REVISED CONDUIT NUMBERS TO MATCH SINGLE LINE DIAGRAMS BUCKET LOCATIONS. REI-SSUED TO CBO FOR APPROVAL.**

**Copies To**

**Brinderson**

Vijay Mistry (E), David Benner (E), Jim Prendergast (E), GT Le (E), Duane Petersen (E), Gloria Tai (E), Efren Terrible (E), George Lozano (E), Project File (T)

**CBO**

Joni Boren (2F+E)

**NRG - El Segundo**

Marc Kodis (E), Scott Seipel (E), David Michelsen (E), Kiet Lam (E), Johan Lueschen (E), Nola Donathan (E), Nick Laporte (E), Robert Rea (E)

Encl. No.	Number	Rev.	Title	Date
<b>ELECTRICAL DRAWINGS</b>				
1	6134-E-808007	3	NRG - EL SEGUNDO RELOCATION PROJECT, FIRE WATER AND SERVICE WATER, CONDUIT & CABLE SCHEDULE	8/17/2011
2	6134-E-808031	2	NRG - EL SEGUNDO RELOCATION PROJECT, FIRE WATER AND SERVICE WATER, ELECTRICAL SECTION & DETAILS	8/17/2011

**Thank you,**

**Project Manager**



Date: 8/24/2011
To: Joni Boren
CBO
301 Vista Del Mar
El Segundo, Ca 90245

From: Vijay Mistry
Address: 3330 Harbor Blvd
Costa Mesa, CA 92626
714-466-7100
www.brinderson.com

Ref Pkg No.: CBO-325

BT Project: E6605N001, NRG - ENG TASK 2010 SUPPORT- SODIUM HYPOCHLORITE SKID MECH

Find attached 6 Enclosures, 1 copie(s) each, which are released

as ISSUED FOR CBO APPROVAL

Remarks:

PACKAGE WILL BE DELIVER VIA FEDEX.

Copies To

Brinderson

Vijay Mistry (E), Jim Prendergast (E), Morteza Panbechi (E), GT Le (E), Duane Petersen (E), George Lozano (E), Project File (T)

CBO

Joni Boren (2F+E)

NRG - El Segundo

Marc Kodis (E), Scott Seipel (E), David Michelsen (E), Kiet Lam (E), Johan Lueschen (E), Nola Donathan (E), Nick Laporte (E), Robert Rea (E)

Table with 5 columns: Encl. No., Number, Rev., Title, Date. Contains 6 rows of document details including 'MECHANICAL GENERAL DOCUMENTS', 'MECHANICAL SPECIFICATIONS', and 'VENDOR GENERAL DATA'.



Date: 8/26/2011
To: Jonis Boren
CBO
301 Vista Del Mar
El Segundo, Ca 90245

From: Vijay Mistry
Address: 3330 Harbor Blvd
Costa Mesa, CA 92626
714-466-7100
www.brinderson.com

Ref Pkg No.: CBO-405

BT Project: E6605N001, NRG - ENG TASK 2010 SUPPORT, FIRE WATER & SERVICE WATER

Find attached 27 Enclosures, 1 copie(s) each, which are released
as ISSUED FOR CBO APPROVAL

Remarks:

PACKAGE WILL BE DELIVER VIA FEDEX.

Copies To

Brinderson

Vijay Mistry (E), Duane Petersen (E), Jim Prendergast (E), G.T Le (E), Chau Tang (E),
Gloria Tai (E), Efren Terrible (E), Dave Benner (E), George Lozano (E), Project File (T)

CBO

Joni Boren (2F+E)

NRG - El Segundo

Marc Kodis (E), Scott Seipel (E), David Michelsen (E), Kiet Lam (E), Johan Lueschen (E), Nola Donathan (E),
Nick Laporte (E), Robert Rea (E)

Table with 5 columns: Encl. No., Number, Rev., Title, Date. Contains 5 rows of electrical drawing information under the heading 'ELECTRICAL DRAWINGS'.

Encl. No.	Number	Rev.	Title	Date
6	6134-E-808055	0	NRG - EL SEGUNDO RELOCATION PROJECT, FIRE WATER AND SERVICE WATER, SCHEMATIC / CONNECTION DIAGRAM-PUMP P-MX1	8/25/2011
7	6134-E-808056	0	NRG - EL SEGUNDO RELOCATION PROJECT, FIRE WATER AND SERVICE WATER, SCHEMATIC / CONNECTION DIAGRAM-PUMP P-MX2	8/25/2011
8	6134-E-808057	0	NRG - EL SEGUNDO RELOCATION PROJECT, FIRE WATER AND SERVICE WATER, SCHEMATIC / CONNECTION DIAGRAM-PUMP P-SW1	8/25/2011
9	6134-E-808058	0	NRG - EL SEGUNDO RELOCATION PROJECT, FIRE WATER AND SERVICE WATER, SCHEMATIC / CONNECTION DIAGRAM-PUMP P-SW2	8/25/2011
10	6134-E-808070	0	NRG - EL SEGUNDO RELOCATION PROJECT, FIRE WATER AND SERVICE WATER, RELAY PANEL RP-01 LAYOUT	8/25/2011
11	6134-E-808071	0	NRG - EL SEGUNDO RELOCATION PROJECT, FIRE WATER AND SERVICE WATER, CONNECTION DIAGRAM-RELAY PANEL RP-01	8/25/2011
12	6134-E-808072	0	NRG - EL SEGUNDO RELOCATION PROJECT, FIRE WATER AND SERVICE WATER, CONNECTION DIAGRAM-PUMP P-FW1	8/25/2011
13	6134-E-808073	0	NRG - EL SEGUNDO RELOCATION PROJECT, FIRE WATER AND SERVICE WATER, CONNECTION DIAGRAM-PUMP P-FW2	8/25/2011
14	6134-E-808074	0	NRG - EL SEGUNDO RELOCATION PROJECT, FIRE WATER AND SERVICE WATER, CONNECTION DIAGRAM-PUMP P-FW3	8/25/2011
15	6134-E-808075	0	NRG - EL SEGUNDO RELOCATION PROJECT, FIRE WATER AND SERVICE WATER, CONNECTION DIAGRAM-SEQUENCING PANEL	8/25/2011

### REFERENCE ELECTRICAL DRAWINGS

16	565983	7	MIAN SINGLE LINE DIAGRAM,	12/8/2010
17	6134-E-808001	5	NRG EL SEGUNDO RELOCATION PROJECT, FIRE WATER AND SERVICE WATER, 480V SINGLE LINE DIAGRAM - MCC FW1	6/10/2011
18	6134-E-808002	8	NRG EL SEGUNDO RELOCATION PROJECT, FIRE WATER AND SERVICE WATER, 480V SINGLE LINE DIAGRAM - MCC FW1	8/8/2011
19	6134-E-808003	2	NRG - EL SEGUNDO RELOCATION PROJECT, FIRE WATER AND SERVICE WATER, 480V SINGLE LINE DIAGRAM - MCC FW1	6/20/2011
20	6134-E-808005	6	NRG EL SEGUNDO RELOCATION PROJECT, FIRE WATER AND SERVICE WATER, CONDUIT & CABLE SCHEDULE	7/18/2011

<b>Encl. No.</b>	<b>Number</b>	<b>Rev.</b>	<b>Title</b>	<b>Date</b>
21	6134-E-808006	5	NRG - EL SEGUNDO RELOCATION PROJECT, FIRE WATER AND SERVICE WATER, CONDUIT & CABLE SCHEDULE	8/4/2011
<b>REFERENCE INSTRUMENTATION DRAWINGS</b>				
22	6134-I-805004	0	NRG - EL SEGUNDO RELOCATION PROJECT, ANALOG JUNCTION BOX JB-A-002, CONNECTION DIAGRAM	7/19/2011
23	6134-I-805005	0	NRG - EL SEGUNDO RELOCATION PROJECT, DIGITAL JUNCTION BOX JB-D-002, CONNECTION DIAGRAM	7/19/2011
24	6134-I-808006	2	NRG - EL SEGUNDO RELOCATION PROJECT, ANALOG JUNCTION BOX JB-A-002, CONNECTION DIAGRAM	7/19/2011
25	6134-I-808007	2	NRG - EL SEGUNDO RELOCATION PROJECT, DIGITAL JUNCTION BOX JB-D-002, CONNECTION DIAGRAM	7/19/2011
26	6134-I-822006	1	NRG - EL SEGUNDO RELOCATION PROJECT, DIGITAL JUNCTION BOX JB-D-002 - TS2, CONNECTION DIAGRAM	7/19/2011
27	6134-I-822007	1	NRG - EL SEGUNDO RELOCATION PROJECT, DIGITAL JUNCTION BOX JB-A-002 - TS2, CONNECTION DIAGRAM	7/19/2011

Thank you,

Project Manager



Date: 8/31/2011  
To: Jonis Boren  
CBO  
301 Vista Del Mar  
El Segundo, Ca 90245

From: Vijay Mistry  
Address: 3330 Harbor Blvd  
Costa Mesa, CA 92626  
714-466-7100  
www.brinderson.com

**Ref Pkg No.: CBO-314**

**BT Project:** E6605N001, NRG - ENG TASK 2010 SUPPORT, COND. TANKS/RO LIFT STATION

**Find attached 1 Enclosures, 1 copie(s) each, which are released as ISSUED FOR CBO APPROVAL**

**Remarks:**

**PACKAGE WILL BE DELIVER VIA FEDEX.**

**Copies To**

**Brinderson**

Vijay Mistry (E), Duane Petersen (E), Jim Prendergast (E), G.T Le (E), Chau Tang (E),  
Gloria Tai (E), Morteza Panbechi (E), Francis Fuentes (E), George Lozano (E), Project File (T)

**CBO**

Joni Boren (2F+E)

**NRG - El Segundo**

Marc Kodis (E), Scott Seipel (E), David Michelsen (E), Kiet Lam (E), Johan Lueschen (E), Nola Donathan (E),  
Nick Laporte (E), Robert Rea (E)

Encl. No.	Number	Rev.	Title	Date
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**VENDOR GENERAL DATA**

1	CBO-314 START UP REPORT		JENSEN START-UP REPORT NRG RO WASHDOWN LIFT STATION, A SERIES / HOMA,	7/27/2011
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Thank you,

Project Manager



**Date:** 8/31/2011  
**To:** Joni Boren  
CBO  
301 Vista Del Mar  
El Segundo, Ca 90245

**From:** Vijay Mistry  
**Address:** 3330 Harbor Blvd  
Costa Mesa, CA 92626  
714-466-7100  
www.brinderson.com

**Ref Pkg No.: CBO-324**

**BT Project:** E6605N001, NRG - ENG TASK 2010 SUPPORT, DEMIN WATER SYS MECH/INST/PIPING

**Find attached 4 Enclosures, 1 copie(s) each, which are released as ISSUED FOR CBO APPROVAL**

**Remarks:**

**PACKAGE WILL BE DELIVER VIA FEDEX.**

**Copies To**

**Brinderson**

Vijay Mistry (E), Jim Prendergast (E), Chau Tang (E), G.T Le (E), Duane Petersen (E), Gloria Tai (E), Efren Terrible (E), George Lozano (E), Morteza Panbechi (E), Project File (T)

**CBO**

Joni Boren (2F+E)

**NRG - El Segundo**

Marc Kodis (E), Scott Seipel (E), David Michelsen (E), Kiet Lam (E), Johan Lueschen (E), Nola Donathan (E), Nick Laporte (E), Robert Rea (E)

Encl. No.	Number	Rev.	Title	Date
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**MECHANICAL GENERAL DOCUMENTS**

1	Resp. to DispoCBO-324 8-11-11		RESPONSE TO DISPOSITION CBO-324 08-11-11,	
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**VENDOR GENERAL DATA**

2	2005-16.61-106#3		AISC SPECIFICATION FOR STRAUCTURAL BUILDING PAGE, 16.1-106 (SECT.J),	
3	4025B-FW1-02	3	NRG EL SEGUNDO, CA, TAN ELEVATION & DESIGN DATA,	8/22/2011
4	4025B-FW1-07a	2	NRG EL SEGUNDO, CA, ROOF SUPPORT - GENERAL,	7/26/2011

**Thank you,**

**Project Manager**



## **DISPOSITION**

August 31, 2011

**PROJECT:** EL SEGUNDO ENERGY CENTER  
**CEC Docket No.:** 00-AFC-14

**CBO COC:** MECH-1  
**CBO Package No:** CBO-1005

**Review Subject:** FW-SW P&IDs  
**Applicable Documents:** All Drawings to Date

## **APPROVED**

1. Future revisions to this documentation, if any, shall be submitted to the CBO for review.
2. For any questions you may contact Hans Kosten by cell phone 650-996-9932 or by email [hans@cpwr-cbo.com](mailto:hans@cpwr-cbo.com).

Sincerely,

Hans Kosten  
Deputy CBO

Sent to Distribution List



## **DISPOSITION**

August 11, 2011

**PROJECT:** EL SEGUNDO ENERGY CENTER  
**CEC Docket No.:** 00-AFC-14

**CBO COC:** CIVIL-1  
**CBO Package No:** CBO-151

**Review Subject:** Tank Farm Modification Access Road  
**Applicable Documents:** All Documents to Date

## **CONDITIONAL APPROVAL**

1. 6134-C-813030 Rev 3
  - Reference made to new chain link fence and new wall per drawing that is not called out. Please provide clarification of what drawing numbers these are.
  - Drop Inlets were to be numbered, correct drawing.
2. 6134-SK-C-800901 Rev A
  - Revisions are to be released at Rev 0; roll up to allow for use in field.
  - Drop inlets were to be numbered; correct drawing.
3. Future revisions to this documentation, if any, shall be submitted to the CBO for review.
4. For any questions you may contact Hans Kosten by cell phone 650-996-9932 or by email [hans@esec-cbo.com](mailto:hans@esec-cbo.com).

Sincerely,

Hans Kosten  
Deputy CBO

Sent to Distribution List



## **DISPOSITION**

August 22, 2011

**PROJECT:** EL SEGUNDO ENERGY CENTER  
**CEC Docket No.:** 00-AFC-14

**CBO COC:** MECH-1  
**CBO Package No:** CBO-317

**Review Subject:** Reclaim Water  
**Applicable Documents:** BT No.: 442

## **APPROVED with Note**

1. Upon receipt of Galvanizing Specification from Contractor, provide copy to CBO.
2. Future revisions to this documentation, if any, shall be submitted to the CBO for review.
3. For any questions you may contact Hans Kosten by cell phone 650-996-9932 or by email [hans@cpwr-cbo.com](mailto:hans@cpwr-cbo.com).

Sincerely,

Hans Kosten  
Deputy CBO

Sent to Distribution List



## **DISPOSITION**

**August 3, 2011**

**PROJECT: EL SEGUNDO ENERGY CENTER**  
**CEC Docket No.: 00-AFC-14**

**CBO COC: ELEC-1**  
**CBO Package No: CBO-405**

**Review Subject: Fire Water Service Water - Electrical**  
**Applicable Documents: All drawings to date**

## **CONDITIONAL APPROVAL**

1. See CBO Comments attached.
2. Future revisions to this documentation, if any, shall be submitted to the CBO for review.
3. For any questions you may contact Hans Kosten by cell phone 650-996-9932 or by email [hans@cpwr-cbo.com](mailto:hans@cpwr-cbo.com).

Sincerely,

Hans Kosten  
Deputy CBO

Sent to Distribution List



**CBO COMMENTS**  
**CBO-405 FIRE WATER & SERVICE WATER ELECTRICAL**  
**AUGUST 3, 2011**

**Dwg 6134-E-808002 Rev 7**

1. Calls out Z=XX%, clarify value of XX

**Dwg 6134-E-808005 Rev 6**

2. Has Holds that need to be removed prior to complete acceptance.
3. Check/correct inconsistencies in the size of conduits of L-45 & L-46 against drawing 6134-E-808125 & 6134-E-808127. (Previous Dispo comment #4) CBO review of L-46 shows 6134-E-808127 has 2" above and below ground while 6134-E-808005Rev 6 has 2" U/G and 1" A/G; validate response.

**Dwg 6134-E-808006 Rev 4**

4. Dwg has holds; remove prior to complete approval.
5. D-18 Underground (U/G) length in Ft has dash (blank)
6. F0-01U/G length in Ft has dash
7. F0-02 is later, provide when available
8. F0-03 U/G length in Ft has dash

**Dwg 6134-E-808021 Rev 2**

9. Clarify for CBO if P-SLS2 Lift Station will be installed before or after Shower Trailer is installed.

**Dwg 6134-E-808125 Rev 1**

10. Makes reference to 6134-E-808067 that has not been submitted to CBO. Will this be submitted later or as a reference drawing?



**THE AIMS CORPORATION**  
Associated Infrastructure Management Services, Inc.  
Delegate CBO for the California Energy Commission

**Dwg 6134-E-808127 Rev 1**

11. Detail 5 on Dwg 6134-E-808129 Rev 2 is not consistent, correct inconsistencies.



**THE AIMS CORPORATION**  
Associated Infrastructure Management Services, Inc.  
Delegate CBO for the California Energy Commission

## **DISPOSITION**

August 22, 2011

**PROJECT:** EL SEGUNDO ENERGY CENTER  
**CEC Docket No.:** 00-AFC-14

**CBO COC:** ELEC-1  
**CBO Package No:** CBO-409

**Review Subject:** Electrical to Hypochlorite Skid  
**Applicable Documents:** Per BT No. 414

## **APPROVED**

1. Future revisions to this documentation, if any, shall be submitted to the CBO for review.
2. For any questions you may contact Hans Kosten by cell phone 650-996-9932 or by email [hans@esec-cbo.com](mailto:hans@esec-cbo.com).

Sincerely,

Hans Kosten  
Deputy CBO

Sent to Distribution List



## **DISPOSITION**

August 15, 2011

**PROJECT:** EL SEGUNDO ENERGY CENTER  
**CEC Docket No.:** 00-AFC-14

**CBO COC:** GEN-5  
**CBO Package No:** CBO-U-002

**Review Subject:** Responsible Design Engineers  
**Applicable Documents:** Pradip K. Khan, PE, SE  
Jean Libby, PE, Civil  
James Porebski, PE, Mechanical  
Jeffrey Griffin, PE, Civil  
Ralph Tavares, PE, Civil  
Evor Johns, PE, Civil  
Khaled El-Mokadem, PE, Civil  
Joseph Lucca, PE, Civil  
Chander Nangia, PE, Civil  
Brian Kehoe, PE, SE  
Robert Fossatti, PE, Civil  
Christopher Bane, PE, Structural  
Kenneth Reamey, PE, Civil  
Douglas Sharpe, PE, Electrical  
Henry Lonberg, PE, Civil

## **APPROVED**

1. Future revisions to this documentation, if any, shall be submitted to the CBO for review.
2. For any questions you may contact Hans Kosten by cell phone 650-996-9932 or by email [hans@esec-cbo.com](mailto:hans@esec-cbo.com).

Sincerely,

Hans Kosten  
Deputy CBO

Sent to Distribution List



**THE AIMS CORPORATION**  
Associated Infrastructure Management Services, Inc.  
Delegate CBO for the California Energy Commission

## **DISPOSITION**

August 31, 2011

**PROJECT:** EL SEGUNDO ENERGY CENTER  
**CEC Docket No.:** 00-AFC-14

**CBO COC:** CIVIL-1  
**CBO Package No:** CBO-U-103

**Review Subject:** Blowdown Sump Shoring Plan  
**Applicable Documents:** SHORING PLAN ONLY

## **APPROVED**

1. Future revisions to this documentation, if any, shall be submitted to the CBO for review.
2. For any questions you may contact Hans Kosten by cell phone 650-996-9932 or by email [hans@esec-cbo.com](mailto:hans@esec-cbo.com).

Sincerely,

Hans Kosten  
Deputy CBO

Sent to Distribution List



**THE AIMS CORPORATION**  
Associated Infrastructure Management Services, Inc.  
Delegate CBO for the California Energy Commission

## **DISPOSITION**

August 18, 2011

**PROJECT:** EL SEGUNDO ENERGY CENTER  
**CEC Docket No.:** 00-AFC-14

**CBO COC:** CIVIL-1  
**CBO Package No:** CBO-U-104

**Review Subject:** Site Monument Plan  
**Applicable Documents:** Per Transmittal URS-TR-0028

## **APPROVED**

1. Future revisions to this documentation, if any, shall be submitted to the CBO for review.
2. For any questions you may contact Hans Kosten by cell phone 650-996-9932 or by email [hans@esec-cbo.com](mailto:hans@esec-cbo.com).

Sincerely,

Hans Kosten  
Deputy CBO

Sent to Distribution List



**THE AIMS CORPORATION**  
Associated Infrastructure Management Services, Inc.  
Delegate CBO for the California Energy Commission

## **DISPOSITION**

**August 30, 2010**

**PROJECT: EL SEGUNDO ENERGY CENTER**  
**CEC Docket No.: 00-AFC-14**

**CBO COC: STRUC-1**  
**CBO Package No: CBO-204**

**Review Subject: HRSG Foundation & Calculations**  
**Applicable Documents: Per Transmittal URS-TR-00027**

## **CONDITIONALLY APPROVED**

1. See CBO Comments attached.
2. Future revisions to this documentation, if any, shall be submitted to the CBO for review.
3. For any questions you may contact Hans Kosten by cell phone 650-996-9932 or by email [hans@esec-cbo.com](mailto:hans@esec-cbo.com).

Sincerely,

Hans Kosten  
Deputy CBO

Sent to Distribution List



**THE AIMS CORPORATION**  
Associated Infrastructure Management Services, Inc.  
Delegate CBO for the California Energy Commission

**CBO COMMENTS  
CBO-204 HRSG FOUNDATION & CALCS  
AUGUST 30, 2011**

**WORLEYPARSONS DWG USA659-VJ00-10UHA-641130 SHT 1/6, REV 1**

Submit when available the information for the CEM and BFP Cooler Outline foundations.

**WORLEYPARSONS DWG USA659-VJ00-10UHA-641130 SHT 4/6, REV 1**

Correct reference drawing call outs from "NEM Dwg 21011- ### - ## -####" to "NEM Dwg 21019- ### - ## - ####".

**NEM DWG 21019-390-05-001, REV 8**

Worley Parsons Dwg USA659-VJ00-10UHA-641130, Sht. 1/6, Rev 1 has correct orientation of north, recommend to correct NEM drawing and validate others.

**NEM DWG 21019-390-06-001, REV 7**

**NEM DWG 21019-390-05-003, REV 5**

The projection of the anchor bolt from top of concrete as shown on Section A does not agree with foundation drawing. Correct inconsistencies and calculations if required.

**NEM DWG 21019-390-05-002, REV 4**

**NEM DWG 21019-390-05-004, REV 7**

On Anchor Bolt Detail 1, the projection of the anchor bolt from top of concrete does not agree with foundation drawing. Correct inconsistencies.

**ATTACHMENT J  
BIO-7  
BIOLOGICAL RESOURCES MONITORING SUMMARY REPORTS  
AUGUST 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.

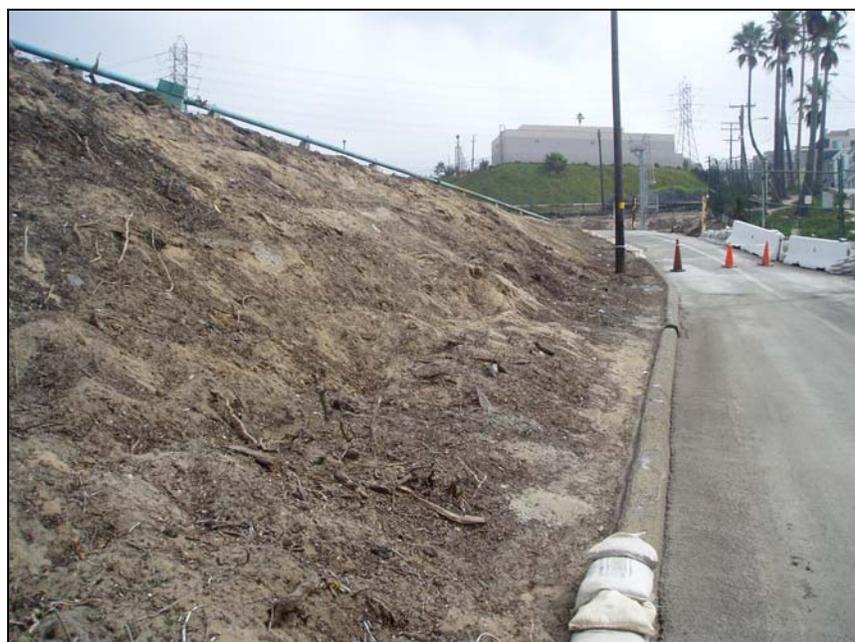
Respectfully,

**MBC Applied Environmental Sciences**

Shane Beck  
Principal Scientist / Designated Biologist

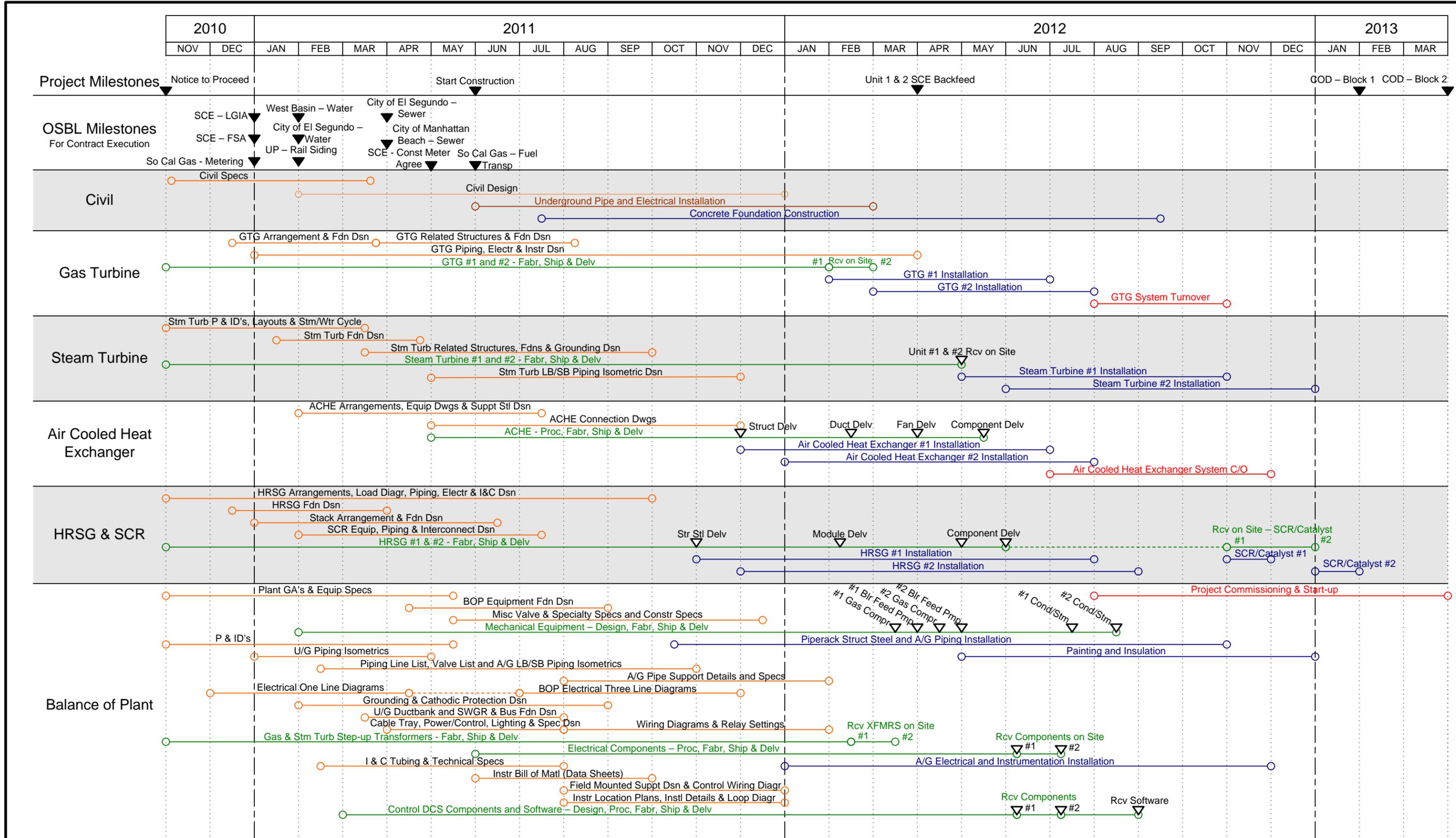


Area formerly covered by riprap, southern end of ESGS, 1 September 2011.  
Looking downcoast (south-southwest).



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

**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:

**ATTACHMENT L**  
**Noise-2**  
**Noise Complaint Report/Resolution Form**  
**August 2011**

**ATTACHMENT A  
COMPLAINT REPORT/RESOLUTION FORM**

COMPLAINT LOG NUMBER: 08-10-2011 DOCKET NUMBER: 00-AFC-14C  
PROJECT NAME: El Segundo Energy Center

**COMPLAINANT INFORMATION**

NAME: Did not leave name. PHONE NUMBER: 310-738-1198  
ADDRESS: Did not leave address, stated call was from El Segundo.

**COMPLAINT**

DATE COMPLAINT RECEIVED: 08-10-2011 TIME COMPLAINT RECEIVED: 1:04 pm & 1:16 pm  
COMPLAINT RECEIVED BY:  TELEPHONE  IN WRITING (COPY ATTACHED)  
DATE OF FIRST OCCURRENCE: 08-10-2011  
DESCRIPTION OF COMPLAINT (INCLUDING DATES, FREQUENCY, AND DURATION):  
Complainant called at 1:04 pm and 1:16 pm to complain that work had started prior to 8:00 a.m. on 08-10-2011.  
Complainant also mentioned that AQMD hotline number (909-288-7664) does not work.  
FINDINGS OF INVESTIGATION BY PLANT PERSONNEL:  
Construction work was active in the area along 45TH Street related to the El Segundo Energy Center (ESEC). Granite Construction was working in the area from 7:30 am to 3:30 PM. These work hours are within the CEC permit.  
DOES COMPLAINT RELATE TO VIOLATION OF A CEC REQUIREMENT?  YES  NO  
DATE COMPLAINANT CONTACTED TO DISCUSS FINDINGS: 08-10-2011  
DESCRIPTION OF CORECTIVE MEASURES TAKEN OR OTHER COMPLAINT RESOLUTION:  
ESEC discussed the noise conditions for the construction project are between 7:30 am and 6 PM during the week.  
DOES COMPLAINANT AGREE WITH PROPOSED RESOLUTION?  YES  NO  
IF NOT, EXPLAIN: \_\_\_\_\_

**CORRECTIVE ACTION**

IF CORRECTIVE ACTION NECESSARY, DATE COMPLETED: N/A  
DATE FIRST LETTER SENT TO COMPLAINANT (COPY ATTACHED): \_\_\_\_\_  
DATE FINAL LETTER SENT TO COMPLAINANT (COPY ATTACHED): \_\_\_\_\_  
OTHER RELEVANT INFORMATION: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*"This information is certified to be correct."*

PLANT MANAGER SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

(ATTACH ADDITIONAL PAGES AND ALL SUPPORTING DOCUMENTATION, AS REQUIRED)

**ATTACHMENT M  
VIS-8  
Construction Lighting Report  
August 2011**

## Existing Lighting – KOP 2



**Location: KOP 2 . Beach location south of 45<sup>th</sup> Street looking north.**

**Date: 5-26-11 at 9:18pm**

**Summary: ISO 100**

## Temporary Construction Lighting – KOP 2



**Location:** KOP 2 . Beach location south of 45<sup>th</sup> Street looking north. Temporary construction lighting in place for the removal of the out-of-service transmission tower.

**Date:** 8-30-11 at 10:45pm

**Summary:** ISO 100 F4 - 0.7EV

## Existing Lighting – KOP 3



**Location: KOP 3 .**

**Date: 8-25-11 at 9:18pm**

**Summary: ISO 100 F4 – 0.3EV**

## Temporary Construction Lighting – KOP 3



**Location: KOP 3 . Temporary construction lighting in place for the removal of the out-of-service transmission tower.**

**Date: 8-30-11 at 10:32pm**

**Summary: ISO 100 F4 + 0.3EV**

## Existing Lighting – KOP 5



**Location: KOP 5 . Vista Del Mar location looking south.**

**Date: 8-25-11 at 8:41pm**

**Summary: ISO 100 F3.5 + 0.7EV**

## Temporary Construction Lighting – KOP 5



**Location: KOP 5 . Vista Del Mar location looking south. Temporary construction lighting in place for the removal of the out-of-service transmission tower.**

**Date: 8-30-11 at 9:41pm**

**Summary: ISO 100 F3.5 - 0.7EV**

## Existing Lighting – KOP 8



**Location: KOP 8 . Vista Del Mar location looking south.**

**Date: 8-25-11 at 8:50pm**

**Summary: ISO 100 F4.2 + 0.7EV**

## Temporary Construction Lighting – KOP 8



**Location: KOP 8 . Vista Del Mar location looking south. Temporary construction lighting in place for the removal of the out-of-service transmission tower.**

**Date: 8-30-11 at 9:59pm**

**Summary: ISO 100 F4 0EV**