

**LOS ESTEROS CRITICAL ENERGY FACILITY, PHASE 2  
(03-AFC-2)**

**Monthly Compliance Report #12**

**LOS ESTEROS CRITICAL ENERGY FACILITY, LLC**

May 2012

For

California Energy Commission

**Los Esteros Critical Energy Facility, Phase 2  
(03-AFC-2)  
Monthly Compliance Report #12**

1. LECEF Project Construction Status

Construction continued during the monthly reporting compliance period focusing primarily on the cooling tower basin (CT), generator step-up transformer (GSU), steam turbine generator (STG) foundation, and heat recovery steam generators (HRSG); key components of the Los Esteros Critical Energy Facility's infrastructure. There were no significant delays or changes to the project schedule. The project is approximately 32.64 % complete (cumulative through May 31, 2012) and construction is at 18.33 %.

Work continues to proceed with engineering, procurement, permitting and compliance (i.e., environmental monitors) as well as scheduling and construction planning. In addition, submittals to the Chief Building Official (CBO) continue as the site undergoes transformation. Harder Mechanical continues work on the new HRSG duct sections and installing pipe rack foundation. Cooling Tower Depot, LECEF's vendor completed erection of the cooling tower in mid-May. The next step will be to begin performance testing on the system, which is expected to begin in August by a third party vendor followed by approval from LECEF.

Listed below are the major events that have occurred during the monthly compliance reporting period:

- New fuel gas compressor was received
- Electricians completed working on lightning protection on top of cooling tower
- Civil subcontractor completed installing rebar at PDC foundation north of GSU
- Poured condensate basin
- Civil subcontractor excavated for steam turbine generator PDC foundation
- Installed final material on cooling tower; lightning protection
- Scaffold builders continued building scaffolds on exterior module field seams welds at all HRSG's
- Civil subcontractor set forms for condensate pump pit foundation
- U/G pipe subcontractor completed installing vent piping on new Oily/Water Separator
- HRSG erection contractor continued completing bolt-ups & welding field seams at all HRSG Inlet Ducts

Work in Progress:

- HRSG erection contractor continued completing bolt-ups & welding field seams at all HRSG Inlet Ducts
- HRSG erection contractor continued installing burner elements and front plate assemblies at HRSG- 2 / 3 & 4 inlet ducts
- HRSG erection contractor continued installing insulation & liner plates inside of all HRSG inlet ducts sections field seams

- HRSG erection contractor pipe fitters continued pre-assembling pipe spools and pipe supports in fab area along with installing large bore pipe spools at the top of HRSG-3
- Electrical subcontractor continued installing housings / bushings / conservator tank / vacuum piping / and other ship loose items at GSU & Testing of the GSU
- Carpenters and rod busters started working on equipment pads on upper portion of lube oil containment area south of STG foundation
- HRSG erection contractor continued pre-assembling & erecting platform steel at HRSG-3
- HRSG erection contractor continued fitting and welding down comer piping to Unit-2 & 3 HP & IP steam drums nozzles
- HRSG erection contractor continued installing interbox spools casings and stiffener beams between module boxes at all units
- U/G pipe subcontractor continued installing & testing new WWC piping at BBS tank and BBS sump locations at units 1 & 4
- BOP erection contractor started shaking out steel and pipe supports received thus far
- HRSG erection contractor continued installing burner elements and front plate assemblies at all HRSG inlet ducts
- Civil subcontractor carpenters continued stripping forms at STG pipe rack spread footer foundations. Also carpenters began setting wall forms at condensate pump pit
- HRSG erection contractor continued installing insulation & liner plates inside of all HRSG inlet ducts sections field seams
- HRSG erection contractor pipe fitters continued pre-assembling pipe spools and pipe supports in fab area along with installing large bore pipe spools at the top of HRSG-2 & 3
- Balance of plant piping subcontractor continued building scaffolds between units 2 & 3 for steel modification to existing pipe rack. Also started making modifications, (adding stiffeners) to existing pipe rack steel
- HRSG erection contractor continued pre-assembling & erecting platform steel at HRSG-2 & 3. Also set HP & IP steam drum platforms at unit-3
- HRSG erection contractor continued fitting and welding down comer piping to Unit-2 & 3 HP & IP steam drums nozzles. Also welded slide plates on Unit-1 IOP steam drum
- Condenser erection contractor continued fitting-up and welding at field weld seams on condenser sections set thus far. Also 500 ton hydraulic crane was set-up in order to set transition scheduled for Tuesday
- Mechanical erection contractor continued laying out anchor bolts for GE supplied water treatment equipment
- BOP erection contractor continued shaking out steel and pipe supports received thus far
- HRSG erection contractor continued installing interbox spools casings and stiffener beams between module boxes at all units
- U/G pipe subcontractor completed installing & testing new WWC piping at BBS tank and BBS sump locations at units 1 & 4. Also began installing 4" HDPE drain line to new sample building
- HRSG erection contractor continued pre-assembling and setting platform steel at units 3 & 2
- Civil subcontractor started forming wall sections of BBS drain tank foundations underneath existing pipe racks between HRSG's

- HRSG erection contractor continued installing insulation & liner plates inside of all HRSG inlet ducts sections field seams
- HRSG erection contractor pipe fitters continued pre-assembling pipe spools and pipe supports in fab area along with installing large bore pipe spools at the top of all HRSG's
- Balance of plant piping subcontractor continued building scaffolds between all units for steel modification to existing pipe racks
- Balance of plant piping subcontractor continues making modifications, (adding stiffeners plates and diagonal beams) to existing pipe rack steel between all HRSG's and erecting new steel platforms and pipe rack steel
- Condenser erection contractor continued fitting and welding condenser transition duct piece. Also continued bolting up all water box pieces
- Balance of plant piping subcontractor continued demo of existing chilled water piping required for Phase-2 pipe rack and pipe erection
- U/G pipe subcontractor continued reworking sanitary sewer piping in order to demo out the existing sanitary lift station that is now deemed unusable due to cracks in casing
- Balance of pipe erection contractor continued shaking out sequence-1 structural steel and welding pipe supports received thus far to this steel in the laydown area
- U/G pipe subcontractor continued hydro testing remaining portions of 8" CWS-5021 & 4" CWS-0033 HDPE lines to cooling tower area
- HRSG erection contractor continued installing interbox spools casings and stiffener beams between module boxes at all units
- HRSG erection contractor pipefitters continued preassembling silencer steel for all HRSG's. HP drum and HP / SSH start-up vent silencers were set at unit-3 silencer support structure also IP drum & start-up vent silencer support steel was erected at HRSG-3
- LECEF continued reviewing submittals from LECEF equipment vendors and CH2MHILL

2. Table of Required Monthly Compliance Report Documents

COM-6	N/A, requirement met	AQ-3	N/A, first fire
GEN-2	A copy of the most recent schedule is attached	AQ-4	N/A, first fire
GEN-3	Email from CBO confirming receipt of payment is attached	AQ-6	N/A, first fire
GEN-6	A copy of the most recent information is attached	AQ-9	N/A, first fire
GEN-7	None this month	AQ-10	N/A, first fire
GEN-8	N/A. Applicable work not completed for the reporting period	WS-4	A copy of the most recent information is attached
CIVIL-1	None this month	BIO-2	A copy of the Designated Biologist's summary report is attached
CIVIL-3	A copy of the NCR log is attached	BIO-4	The number of WEAP participants is provided including cumulative total
CIVIL-4	N/A. Applicable work not complete for the reporting period	BIO-20	None this month
STRUC-1	A copy of the most recent information is attached	BIO-21	No additional information required
STRUC-3	N/A. Applicable work not complete for the reporting period	CUL-2	A copy of the anticipated project activity is attached
STRUC-4	N/A. Applicable work not complete for the reporting period	CUL-4	A copy of the acknowledgement forms for the reporting period is attached

MECH-1	A copy of the most recent information is attached	CUL-5	A copy of the CRS Monitor's report is attached
MECH-2	N/A. Applicable work not complete for the reporting period	PAL-3	N/A, requirement met
ELEC-1	A copy of the most recent information is attached	PAL-4	A copy of the PRS Monitor's report is attached
TSE-1	N/A. Applicable work not complete for the reporting period	WASTE-5	N/A. A copy of the USEPA, Region 9 RCRA ID was submitted in previous MCR
TSE-4	A copy of the most recent information is attached	SOCIO-1	A copy of the activities report is attached
AQ-SC3	Discussion of the dust monitoring process is attached	TRANS-1	None this month
AQ-SC5	Information is provided for this COC, as attached	TRANS-2	A copy of the permits is being submitted as a separate attachment
AQ-1	N/A, first fire	TRANS-3	None this month
AQ-2	N/A, first fire	TRANS-4	Information is provided for this COC, as attached

3. Compliance Matrix

A copy of the construction compliance matrix is attached.

4. Conditions Satisfied During The Reporting Period

The conditions satisfied during the reporting period include:

No conditions satisfied during the reporting period

5. Submitted Deadline Not Met

There are no past due compliance submittals.

6. Approved Condition of Certification Changes

- LECEF, Phase 2 license amendment filed on October 30, 2009, and approved on February 2, 2011.
- A change to verification language of HAZ-2 was submitted to the CPM on February 15, 2011 and approved by staff on March 14, 2011.
- A change to verification language of TSE-1 was submitted to the CPM on February 22, 2011 and approved by staff on February 28, 2011.
- A change to verification language of BIO-11 was submitted to the CPM on March 15, 2011, and approved by staff on 3/16/11.
- A change to verification language of TSE-3, TSE-4, GEN-2, GEN-7, CIV-2, and STRUC-2 were submitted to the CPM on April 9, 2012, and approved by staff on April 20, 2012.

7. Filings of Permits from other agencies

- Storm water documentation for construction (Annual Report): Submitted on-line to State Water Resources Control Board on August 31, 2011
- Authority to Construct Renewal, LECEF2: Submitted to the Bay Area Air Quality Management District on August 29, 2011

8. Projection of Compliance Activities for May

GEN-2	Schedule will be updated monthly
GEN-3	CBO payments will be submitted monthly
AQ-SC-3	The AQCMM report will be updated monthly
AQ-SC-5	The AQCMM report will be updated monthly
WS-4	The Safety Inspection report will be updated monthly
BIO-2	The Designated Biologist's report will be updated monthly
BIO-4	WEAP training will be completed for new employees as needed
CUL-2	A current schedule will be provided to the CRS monitor when Available
CUL-4	WEAP training will be completed for new employees as needed
PAL-3	WEAP training will be completed for new employees or visitors as needed, but is typically provided Monday and Wednesday at 7: 00 A.M.
PAL-4	The PRS report will be updated monthly

9. Additions to the On-site Compliance File

- WEAP training records
- Cultural Monitoring Reports
- Paleontology Monitoring Reports
- Biological Monitoring Reports
- Chemical Inventory List

10. Any requests, with justification, to dispose of items that are required to be maintained in the project owner's compliance file?

No items disposed of during the reporting period.

11. Listing of complaint, notices of violations, official warnings and citations

None received during the reporting period.

**CONDITION OF CERTIFICATION  
GEN-2**

**Los Esteros Critical Energy Facility, Phase 2  
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Activity ID	Activity Name	OD	RD	TF	% Comp	Start	Finish	May 2012			June 2012		
								14	21	28	04	11	18
<b>CIVIL / STRUCTURAL / ARCHITECTURAL</b>													
<b>GENERAL SITE WORK</b>													
<b>CONCRETE</b>													
CS0OWS125	Complete BACKFILL /REPLACE STONE OIL WATER SEPERATOR FDN	2d	2d	265d	0%	01-Jun-12*	04-Jun-12						
<b>MAJOR AND MISC STRUCTURAL CONCRETE</b>													
<b>CONCRETE</b>													
CS0RCKF110	New Piperack Fdns Backfill	10d	1d	30d	90%	27-Apr-12 A	18-Jun-12						
CS0PDC1100	EXCAV/FORM/REBAR STG PDC FNDN	6d	0d		00%	07-May-12 A	25-May-12 A						
CS3HRSG100	FORM/REBAR HRSG#3 & #2 BLOWDOWN TANK FDN	11d	3d	46d	0%	14-May-12 A	31-May-12						
CS0CF-1050	EXCAV/FORM/REBAR CW CHEM FEED EQ FNDN	15d	5d	42d	67%	16-May-12 A	04-Jun-12						
CS4HRSG100	FORM/REBAR HRSG#4 & #1 BLOWDOWN TANK FDN	10d	3d	16d	70%	18-May-12 A	31-May-12						
CS0SWAF02	POUR CONCRETE SAMPLE PANEL FDN	1d	0d		00%	25-May-12 A	25-May-12 A						
CS0PDC1105	POUR CONCRETE STG PDC FNDN	1d	1d	-11d	0%	29-May-12	29-May-12						
CS0CN-F34	Exc/Form/Rebar OWS Slab on Grade	10d	10d	36d	0%	29-May-12*	11-Jun-12						
CS0CW1040	Exc/Form/Rebar Ammonia Storage Area Concrete	10d	10d	35d	0%	29-May-12	11-Jun-12						
CS0PDC1110	FORM/REBAR STG PDC PEDESTALS	10d	10d	-11d	0%	31-May-12	13-Jun-12						
CS3HRSG101	POUR CONCRETE HRSG#3 & #2 BLOWDOWN TANK FDN	1d	1d	46d	0%	01-Jun-12	01-Jun-12						
CS4HRSG101	POUR CONCRETE HRSG#4 & #1 BLOWDOWN TANK FDN	1d	1d	16d	0%	01-Jun-12	01-Jun-12						
CS0SWAF03	BACKFILL SAMPLE PANEL FDN	1d	1d	47d	0%	04-Jun-12*	04-Jun-12						
CS0STGF244A	BACKFILL CONCRETE STG LUBE OIL UNIT FOUNDATION	3d	3d	44d	0%	04-Jun-12*	06-Jun-12						
CS0CN-F04	BACKFILL CONCRETE COND PUMPS FOUNDATION	1d	1d	47d	0%	04-Jun-12*	04-Jun-12						
CS0RCKF180	New SE Piperack Fdn Section - Form/Rebar	10d	10d	30d	0%	04-Jun-12*	15-Jun-12						
CS0STGF240A10	BACKFILL CONCRETE STG Crane PAD	3d	3d	45d	0%	04-Jun-12*	06-Jun-12						
CS3HRSG1030	EXCAV/FORM/REBAR HRSG#3 BFP Piperack Fdn's	10d	10d	-8d	0%	04-Jun-12*	15-Jun-12						
CS3HRSG101A	BACKFILL CONCRETE HRSG#3 & #2 BLOWDOWN TANK FDN	1d	1d	46d	0%	05-Jun-12	05-Jun-12						
CS0CF-1055	POUR CONCRETE CW CHEM FEED EQ FNDN	1d	1d	42d	0%	05-Jun-12	05-Jun-12						
CS4HRSG101A	BACKFILL CONCRETE HRSG#4 & #1 BLOWDOWN TANK FDN	1d	1d	16d	0%	07-Jun-12	07-Jun-12						
CS0AUXB099	EXCAV/FORM/REBAR FNDN ELEC STM BOILER GA - Item #71	15d	15d	10d	0%	11-Jun-12*	29-Jun-12						
CS0DBRF1	EXCAV/FORM/REBAR FG DUCTBURNER FLTR/SEP SKID FDN	0d	0d	54d	0%	11-Jun-12*	11-Jun-12						
CS0DBRF2	POUR CONCRETE FG DUCTBURNER FLTR/SEP SKID	10d	10d	54d	0%	11-Jun-12	22-Jun-12						
CS0CF-1140	Exc/Form/Rebar Circ Water Pipe Support Fdns Near STG	10d	10d	26d	0%	11-Jun-12*	22-Jun-12						
CS0CF-1060	BACKFILL CW CHEM FEED EQ FNDN	1d	1d	42d	0%	11-Jun-12	11-Jun-12						
CS0STG1095	EXCAV/FORM/REBAR 15 kV BUS FDNs - STG GSU	15d	15d	88d	0%	12-Jun-12	02-Jul-12						
CS0STGF402	EXCAV/FORM/REBAR CONDENSER VACCUM PUMP FOUNDATION	6d	6d	30d	0%	12-Jun-12	19-Jun-12						
CS0CN-F44	Pour OWS Slab on Grade	1d	1d	36d	0%	12-Jun-12	12-Jun-12						
CS0CW1043	Pour Ammonia Storage Area Concrete	1d	1d	35d	0%	12-Jun-12	12-Jun-12						
CS0PDC1115	POUR CONCRETE STG PDC PEDESTALS	1d	1d	-11d	0%	14-Jun-12	14-Jun-12						
CS0CN-F54	Backfill OWS Slab on Grade	2d	2d	36d	0%	18-Jun-12	19-Jun-12						
CS0CW1053	Backfill Ammonia Storage Area Concrete	3d	3d	35d	0%	18-Jun-12	20-Jun-12						
CS0RCKF190	New SE Piperack Fdn Section - Pour	1d	1d	30d	0%	18-Jun-12	18-Jun-12						
CS3HRSG1040	POUR CONCRETE HRSG#3 BFP Piperack Fdn's	1d	1d	-8d	0%	18-Jun-12	18-Jun-12						
CS3HRSG1050	BACKFILL CONCRETE HRSG #3 BFP Piperack Fdn's	3d	3d	-8d	0%	19-Jun-12	21-Jun-12						
CS0PDC1120	BACKFILL CONCRETE STG PDC FNDN	1d	1d	-5d	0%	20-Jun-12	20-Jun-12						
CS0STGF404	POUR CONCRETE CONDENSER VACCUM PUMP UNIT FOUNDATION	1d	1d	30d	0%	20-Jun-12	20-Jun-12						
CS4HRSG1090	EXCAV/FORM/REBAR HRSG#4 BFP Piperack Fdn's	10d	10d	-8d	0%	22-Jun-12*	06-Jul-12						
<b>No 417531-13P-PROC PKG</b>													
<b>No LE-WBS4</b>													
CS0RCK100	ERECT UTIL RACK STRUCT STEEL BETWEEN HRSG#3&2 (Including Finger Rack	20d	9d	1d	55%	14-May-12 A	08-Jun-12						
CS0RCK110	ERECT UTIL RACK STRUCT STEEL BETWEEN HRSG#4&1 - Sequence 2	20d	20d	15d	0%	11-Jun-12	09-Jul-12						

■ Remaining Level of Effort     ■ Critical Remaining Work  
■ Actual Work     ◆ Milestone  
■ Remaining Work     ◆ Milestones Critical

Activity ID	Activity Name	OD	RD	TF	% Comp	Start	Finish	May 2012			June 2012		
								14	21	28	04	11	18
<b>HRSG ERECTION</b>													
<b>INSTALL HRSG AND CONDENSER</b>													
<b>No LE-WBS4</b>													
CS3HRSG1229	HRSG3-Install Insul/Liner Bay Joint E	2d	2d	288d	0%	02-Apr-12 A	30-May-12						
CS3HRSG1231	HRSG3-Install Insul/Liner Joint D	2d	0d		00%	02-Apr-12 A	23-May-12 A						
CS3HRSG1233	HRSG3-Install Insul/Liner Joint C	2d	0d		00%	02-Apr-12 A	23-May-12 A						
CS3HRSG1235	HRSG3-Install Insul/Liner Joint B	2d	0d		00%	02-Apr-12 A	23-May-12 A						
CS2HRSG1229	HRSG2-Install Insul/Liner Joint E	2d	2d	288d	0%	09-Apr-12 A	30-May-12						
CS2HRSG1231	HRSG2-Install Insul/Liner Joint D	2d	1d	289d	50%	09-Apr-12 A	29-May-12						
CS2HRSG1233	HRSG2-Install Insul/Liner Joint C	2d	1d	289d	50%	09-Apr-12 A	29-May-12						
CS3HRSG1250	HRSG3-Weld Boxes	9d	15d	96d	0%	10-Apr-12 A	18-Jun-12						
CS2HRSG1237	HRSG2-Install Duct Burners Bay D	6d	7d	120d	0%	16-Apr-12 A	06-Jun-12						
CS3HRSG1215	HRSG3-Install Continous Top Walkways and Platforms	8d	5d	60d	7.5%	18-Apr-12 A	04-Jun-12						
CS4HRSG1233	HRSG4-Install Insul/Liner Joint C	2d	10d	113d	0%	18-Apr-12 A	11-Jun-12						
CS4HRSG1235	HRSG4-Install Insul/Liner Joint B	2d	10d	113d	0%	18-Apr-12 A	11-Jun-12						
CS3HRSG1211	HRSG3-Install Insul/Liner Bay 2 to 1	4d	4d	286d	0%	23-Apr-12 A	01-Jun-12						
CS4HRSG1231	HRSG4-Install Insul/Liner Joint D	2d	4d	119d	0%	23-Apr-12 A	01-Jun-12						
CS2HRSG1250	HRSG2-Weld Boxes	10d	10d	260d	0%	23-Apr-12 A	11-Jun-12						
CS3HRSG1204	HRSG3-Install Insul/Liner Bay 5 to 4	9d	5d	277d	44%	01-May-12 A	04-Jun-12						
CS3HRSG1206	HRSG3-Install Insul/Liner Bay 4 to 3	2d	9d	273d	0%	01-May-12 A	08-Jun-12						
CS3HRSG1221	HRSG3-Install Non-Code Piping/Vents/Drains	54d	20d	96d	96%	07-May-12 A	25-Jun-12						
CS1HRSG1231	HRSG1-Install Insul/Liner Joint D	2d	5d	118d	0%	14-May-12 A	04-Jun-12						
CS1HRSG1233	HRSG1-Install Insul/Liner Joint C	2d	2d	118d	0%	14-May-12 A	04-Jun-12						
CS1HRSG1235	HRSG1-Install Insul/Liner Joint B	2d	2d	118d	0%	14-May-12 A	04-Jun-12						
CS3HRSG1222	HRSG3-Install HP Silencer & Supt Steel	5d	3d	287d	40%	16-May-12 A	31-May-12						
CS3HRSG1223	HRSG3-Install IP Silencer & Supt Steel	5d	5d	92d	0%	21-May-12 A	04-Jun-12						
CS3HRSG1218	HRSG3-Install HP Code Piping	27d	27d	92d	0%	29-May-12	05-Jul-12						
CS2HRSG1214	HRSG2-Install Ductburner Stairs & Platforms	6d	6d	47d	0%	29-May-12*	05-Jun-12						
CS4HRSG1214	HRSG4-Install Ductburner Stairs & Platforms	6d	6d	56d	0%	29-May-12*	05-Jun-12						
CS1HRSG1213	HRSG1-Install IP Drum	4d	4d	52d	0%	29-May-12	01-Jun-12						
CS4HRSG1275	HRSG4 - Weldout Ductwork From Bay D to Module Box 1	10d	10d	111d	0%	29-May-12*	11-Jun-12						
CS1HRSG1275	HRSG1 - Weldout Ductwork From Bay D to Module Box 1	10d	10d	111d	0%	29-May-12	11-Jun-12						
CS4HRSG1250	HRSG4-Weld Boxes	17d	17d	86d	0%	29-May-12*	20-Jun-12						
CS1HRSG1214	HRSG1-Install Ductburner Stairs & Platforms	6d	6d	52d	0%	04-Jun-12	11-Jun-12						
CS1HRSG1250	HRSG1-Weld Boxes	10d	10d	89d	0%	04-Jun-12*	15-Jun-12						
CS3HRSG1224	HRSG3-Install HP S/U Vent & Supt Steel	4d	4d	95d	0%	05-Jun-12	08-Jun-12						
CS1HRSG1240	HRSG1-Install CO/SCR Catalyst	8d	8d	133d	0%	05-Jun-12	14-Jun-12						
CS2HRSG1215	HRSG2-Install Continous Top Platform	8d	8d	47d	0%	06-Jun-12	15-Jun-12						
CS3HRSG1219	HRSG3-Install RH Code Piping	27d	27d	101d	0%	07-Jun-12	16-Jul-12						
CS3HRSG1220	HRSG3-Install IP Code Piping	27d	27d	96d	0%	07-Jun-12	16-Jul-12						
CS4HRSG1229	HRSG4-Install Insul/Liner Joint E	2d	2d	112d	0%	11-Jun-12*	12-Jun-12						
CS3HRSG1209	HRSG3-Install Insul/Liner Bay 3 to SCR and Bay 2 to SCR	8d	8d	273d	0%	11-Jun-12	20-Jun-12						
CS3HRSG1225	HRSG3-Install RH S/U Vent & Supt Steel	3d	3d	95d	0%	11-Jun-12	13-Jun-12						
CS2HRSG1204	HRSG2-Install Insul/Liner Bay 5 to 4	4d	4d	260d	0%	12-Jun-12	15-Jun-12						
CS4HRSG1240	HRSG4-Install CO/SCR Catalyst	8d	8d	128d	0%	12-Jun-12	21-Jun-12						
CS1HRSG1215	HRSG1-Install Continous Top Platform	8d	8d	52d	0%	12-Jun-12	21-Jun-12						
CS3HRSG1226	HRSG3-Install IP S/U Vent & Supt Steel	4d	4d	95d	0%	14-Jun-12	19-Jun-12						
CS2HRSG1206	HRSG2-Install Insul/Liner Bay 4 to 3	4d	4d	260d	0%	18-Jun-12	21-Jun-12						
CS2HRSG1216	HRSG2-Install HP Drum Platform/Ladder Steel	2d	2d	47d	0%	18-Jun-12	19-Jun-12						



Activity ID	Activity Name	OD	RD	TF	% Comp	Start	Finish	May 2012			June 2012			
								14	21	28	04	11	18	
CS1HRSG1204	HRSG1-Install Insul/Liner Bay 5 to 4	4d	4d	89d	0%	18-Jun-12	21-Jun-12							
CS2HRSG1217	HRSG2-Install IP Drum Platform/Ladder Steel	2d	2d	47d	0%	20-Jun-12	21-Jun-12							
CS4HRSG1204	HRSG4-Install Insul/Liner Bay 5 to 4	4d	4d	86d	0%	21-Jun-12	26-Jun-12							
CS4HRSG1215	HRSG4-Install Continuous Top Platform	8d	8d	45d	0%	21-Jun-12*	02-Jul-12							
CS2HRSG1209	HRSG2-Install Insul/Liner Bay 3 to SCR and Bay 2 to SCR	8d	8d	260d	0%	22-Jun-12	03-Jul-12							
CS2HRSG1221	HRSG2-Install Non-Code Piping/Vents/Drains	39d	39d	59d	0%	22-Jun-12	15-Aug-12							
CS2HRSG1222	HRSG2-Install HP Silencer & Supt Steel	5d	5d	47d	0%	22-Jun-12	28-Jun-12							
CS1HRSG1206	HRSG1-Install Insul/Liner Bay 4 to 3	4d	4d	89d	0%	22-Jun-12	27-Jun-12							
CS1HRSG1216	HRSG1-Install HP Drum Platform/Ladder Steel	2d	2d	54d	0%	22-Jun-12	25-Jun-12							
<b>BOP MECHANICAL</b>														
<b>INSTALL HRSG AND CONDENSER</b>														
<b>BOP EQPT ERECTION</b>														
CS0CN-D1040	Set Condenser Bottom Bundle and Weldout	7d	0d	67d	50%	23-Apr-12 A	29-May-12							
CS0CN-D1050	Set Condenser Top Bundle and Weldout	7d	4d	67d	86%	26-Apr-12 A	01-Jun-12							
CS0CN-D1060	Install Condenser Transition / Outlet Flange Assembly & Weldout	18d	8d	61d	56%	14-May-12 A	07-Jun-12							
CS0CN-D1070	Install Condenser Inlet Flange to Transition Section & Weldout	5d	5d	61d	0%	07-Jun-12*	13-Jun-12							
CS0CN-D1080	Install Condenser Expansion Joint / Flange	9d	9d	61d	0%	12-Jun-12	22-Jun-12							
<b>INSTALL STG AND BOP EQUIPMENT</b>														
<b>BOP EQPT ERECTION</b>														
CS0CWQ01	SET CW PUMPS	15d	15d	26d	0%	05-Jun-12	25-Jun-12							
CS0CWQ1	SET CCW HT EXCHANGER (rough set on Fdn 5-9-12, final set remains)	5d	5d	95d	0%	19-Jun-12*	25-Jun-12							
CS0CF-1070	SET CW CHEM FEED SKID	15d	15d	63d	0%	20-Jun-12	11-Jul-12							
CS0CN-1001	SET COND PUMPS	20d	20d	56d	0%	21-Jun-12	19-Jul-12							
<b>FLD ERECTED TANKS</b>														
CS0CF-1075	SET HYPOCHLORITE TANK	10d	10d	81d	0%	08-Jun-12	21-Jun-12							
CS0CF-1080	SET ACID TANK	10d	10d	81d	0%	08-Jun-12	21-Jun-12							
<b>PIPING</b>														
<b>UNDERGROUND PIPING SYSTEMS</b>														
<b>UG PIPING</b>														
CS0BVDU10	FAB & INSTALL U/G BBS PIPING	30d	14d	43d	50%	09-Jan-12 A	15-Jun-12							
CS0CTWR10	Install Remaining UG Pipe @ Cooling Tower	30d	6d	264d	50%	15-May-12 A	05-Jun-12							
<b>No 417531-13P-PROC PKG</b>														
<b>No LE-WBS4</b>														
CS2HRSG134	SET HRSG#2 BLOWDOWN TANK & PUMPS	5d	5d	45d	0%	05-Jun-12	12-Jun-12							
CS3HRSG134	SET HRSG#3 BLOWDOWN TANK & PUMPS	5d	5d	50d	0%	05-Jun-12	12-Jun-12							
CS4HRSG134	SET HRSG#4 BLOWDOWN TANK & PUMPS	5d	5d	59d	0%	07-Jun-12	14-Jun-12							
CS1HRSG134	SET HRSG#1 BLOWDOWN TANK & PUMPS	5d	5d	63d	0%	15-Jun-12	22-Jun-12							
<b>ELECTRICAL / INSTRUMENTATION</b>														
<b>UNDERGROUND ELECTRICAL SYSTEMS</b>														
<b>UG ELECT DUCTBANK</b>														
CS0GND1E10	GND-0-1 - INSTALL GROUND GRID	40d	14d	38d	70%	15-Jan-12 A	15-Jun-12							
CS0DB1440	UG DUCTBANK - BACKFILL / REPLACE STONE PDC 5 TO O/W SEPERATOR	2d	4d	8d	0%	21-May-12 A	01-Jun-12							
<b>GENERATOR STEP UP AND AUXILIARY TRANSFORMER DRESS OUT AND OIL FILL</b>														
<b>ELECT EQPT</b>														
CS0STG1210	TRIM OUT STG GSU TRANSFORMER (incl Oil Fill & Testing)	5d	4d	114d	0%	27-Apr-12 A	01-Jun-12							
<b>TRANSMISSION / SWITCHYARD</b>														
<b>ELECTRICAL SWITCHYARD AND TRANSMISSION SYSTEMS (FURNISH AND ERECT)</b>														
<b>SWITCHYARD</b>														

■ Remaining Level of Effort    ■ Critical Remaining Work  
■ Actual Work    ◆ Milestone  
■ Remaining Work    ◆ Milestones Critical

Activity ID	Activity Name	OD	RD	TF	% Comp	Start	Finish	May 2012			June 2012			
								14	21	28	04	11	18	
CS0SWY130	Obtain Constr Easements on SVP's Property to Start Trenching	0d	0d		00%	21-May-12 A								
CS0SWY600	2300-032 Receive Circuit Breaker Anchor Bolts	0d	0d	0d	0%		15-Jun-12*							

 Remaining Level of Effort      Critical Remaining Work  
 Actual Work                      Milestone  
 Remaining Work                      Milestones Critical

**CONDITION OF CERTIFICATION  
GEN-3**

**Los Esteros Critical Energy Facility, Phase 2  
Monthly Compliance Report #12  
May 2012**

## Rod Jones

---

**From:** Donald C Wimberly <dwimberly@aimscorp.com>  
**Sent:** Tuesday, June 05, 2012 12:06 PM  
**To:** Rod Jones  
**Subject:** RE: Receipt of Payment for May 2012

Rod

AIMS received May 2012 payment today.

Donald C. Wimberly, P.E.  
Delegate CBO  
Cell: 408-930-4066

**From:** Rod Jones [<mailto:Rodney.Jones@calpine.com>]  
**Sent:** Tuesday, June 05, 2012 11:04 AM  
**To:** [dwimberly@aimscorp.com](mailto:dwimberly@aimscorp.com)  
**Subject:** RE: Receipt of Payment for May 2012

Hi Don,

Per COC GEN-3, please confirm if you have received payment from Calpine for May 2012.

Kindest regards,

**Rod Jones**  
**Compliance Manager**  
**LECEF, Phase 2**  
**CPN Construction Management Co., Inc.**  
800 Thomas Foon Chew Way  
San Jose, CA 95134  
408-635-1322 (Direct)  
281-814-8316 (Cell)

CONFIDENTIALITY NOTICE: The information in this e-mail may be confidential and/or privileged and protected by work product immunity or other legal rules. No confidentiality or privilege is waived or lost by mistransmission. If you are not the intended recipient or an authorized representative of the intended recipient, you are hereby notified that any review, dissemination, or copying of this e-mail and its attachments, if any, or the information contained herein is prohibited. If you have received this e-mail in error, please immediately notify the sender by return e-mail and delete this e-mail from your computer system. Thank you.

**CONDITION OF CERTIFICATION  
CIVIL-3**

**Los Esteros Critical Energy Facility, Phase 2  
Monthly Compliance Report #12  
May 2012**

Contractor/ Supplier	NCR No.	Drawing No.	Location	Date Generated	Description	NCR Type	Date to Engineering	Date Answered	Date Comp	Date Closed
Overaa/Duran & Venables	<a href="#">1</a>	LE-GEN-DE-P9-0001 sht 1 R/0	Phase II utility reroute	6/13/11	Damage to Instrument Air Line AGANA006	Repair	6/13/11	6/13/11	9/24/11	9/24/11
Overaa/Duran & Venables	<a href="#">2</a>	LE-GEN-DE-P9-0001 sht 1 R/0	Phase II utility reroute	6/14/11	Damage to Firewater Line 10"P3GFP005	Accept As Is / Replace	6/20/11	6/20/11	10/18/11	11/10/11
LG Constructors	<a href="#">3</a>	LGC Quality Manual	Cooling Tower	6/21/11	Hold Point not signed off Concrete additional of fibers not in mix	Rework	6/21/11	6/21/11	6/23/11	6/24/11
Hanson & Harder Mechanical	<a href="#">4</a>	CH2M HILL spec 402319.01 and Hanson Drawing	Circulating Water	6/22/11	Leak at metal to Concrete interface 4th to 5th MK43 on South Line Base metal gouge 3rd to 4th MK43 On South Line	Repair / Accept As Is	6/22/11	6/27/11	9/2/11	11/10/11
Overaa	<a href="#">5</a>	CH2M Hill spec 033000 and drawing LE-CTW- DE-S7-0160sec. A	Cooling Tower Wall Placement	7/26/11	Concrete Construction joint not roughened as per specification	Accept As Is	7/27/11	7/27/11	8/3/11	8/8/11
Harder Mechanical	<a href="#">6</a>	Hanson Drawings 110090-DR03 and 110090-LD01	Circulating Water interior grout joints at welds 2, 3, 5 & 6	7/27/11	Circulating water piping interior joints not pre soaked for time as required per manufacturers instructions	Rework	8/1/11	8/1/11	11/10/11	11/10/11
Hanson	<a href="#">7</a>	CH2M Hill Specification 40231901 Section 1.3.A	Circulating Water	8/2/11	48" and smaller Circulating Water pipe designed and supplied with exterior welds not interior as required by specification	Rework	8/2/11	8/23/11	10/6/11	10/6/11
Overaa	<a href="#">8</a>	CH2M Hill Specification 033000 Rev.2 And ACI 309R	Cooling Tower Wall Placement	8/5/11	Concrete wall placement has honeycomb at base of wall to floor slab at various locations	Rework	8/5/11	8/12/11	9/30/11	9/30/11
Harder Mechanical	<a href="#">9</a>	Harder Welding Procedures	Circulating Water pipe welds #21 and 22	8/10/11	Contract requires that prior to start of welding. Welding Procedures require review and approval LGC and Calpine	Rework	8/10/11	8/10/11	8/10/11	8/10/11
Harder Mechanical	<a href="#">10</a>	Harder Welding Procedures	Circulating Water pipe welds #18, 19, 20 and 74	8/11/11	Contract requires that prior to start of welding. Welding Procedures require review and approval LGC and Calpine	Rework	8/11/11	8/11/11	8/11/11	8/11/11
Overaa/Central Concrete	<a href="#">11</a>	CH2M Hill Specification 033000	STG Foundation	9/10/11	Concrete placed in STG foundation with 7-1/2 slump which exceeds maximum allowed by specification	Accept As Is	9/12/11	9/13/11	10/5/11	11/10/11
Hanson	<a href="#">12</a>	CH2M HILL spec 402319.01 and Hanson Drawing	Circulating Water	10/27/11	Leak at metal to Concrete interface S-36 to Mk80 on North 48" Line	Repair	10/28/11	10/31/11	11/11/11	11/30/11

Contractor/Supplier	NCR No.	Drawing No.	Location	Date Generated	Description	NCR Type	Date to Engineering	Date Answered	Date Comp	Date Closed
Calpine Generated/ Cooling Tower Depot	<a href="#">13</a>	Cooling Tower Depot A-120 Sht 2 R/4	Cooling Tower	11/9/11	Anchor Bolt Installation in cooling tower not per drawing, no special Inspector inspection. Random sample of anchor bolts to be pull tested.	Accept As Is	11/10/11	11/10/11	11/14/11	12/5/11
Harder Mechanical	<a href="#">14</a>	SSW	SSW	11/10/11	Backfill without owners approval	Accept As Is	N/A	N/A	11/10/2011	11/10/2011
Calpine Generated/ Cooling Tower Depot	<a href="#">15</a>	CTD	Cooling tower basin		CTD rebar conflicting with anchor bolt locations. Engineering review.	Accept As Is	N/A	N/A	12/5/2011	12/7/2011
Overaa	<a href="#">16</a>	BFW Pump Foundation #3	HRSG #3	1/23/12	Concrete placed without freeze protection		1/23/2012	1/24/2012		
NADC	<a href="#">17</a>	04051772A	HRSG #3	2.3.12	Existing areas of SCR were cut that should have been trimmed and saved.	repair				
Overaa	<a href="#">18</a>	LE-GEN-DE-S5-0285 Sht. 1 Rev. 3	Cooling water exchanger	2/23/12	Anchor bolt off center by 12"	rework	2/27/2012	2/27/2012	5/1/2012	5/2/2012
Overaa	<a href="#">19</a>	LE-GEN-DE-S5-0290 Sht.2 Rev. 2	Hazardous Materials Storage	3/14/12	Bollard concrete placed without pour card	remove and rework	3/14/2012	3/22/2012	4/2/2012	4/3/2012
Harder Mechanical	<a href="#">20</a>	V17455-ERND-020	HRSG Inlet Duct Columns	3/16/12	Welding without presence of Special Inspector	Inspect accept as is	4/5/2012	4/11/2012	4/12/2012	4/12/2012
Harder Mechanical	<a href="#">21</a>	V17456-DWND-001-01	HRSG Inlet Duct B-C section	3/19/12	Harder NCR H-028 - Welding vertical down with E7018	rework	3/22/2012	3/22/2012	4/30/2012	4/30/2012
Overaa	<a href="#">22</a>		Lube Oil Pad and STG Crane Mat	3/22/12	Wrong mix design for mudmat		3/22/2012	3/22/2012	3/27/2012	3/27/2012
NuSteel	<a href="#">23</a>	LE-GEN-DE-S0-0010 Sht. 2 Rev. 1	Fabricated Structural Steel, Phase 1	4/4/12	Welding without presence of Special Inspector	inspect. Repair if required.	4/4/2012	4/11/2012	4/30/2012	5/9/2012
NADC	<a href="#">24</a>		HRSG #3	4/4/12	Holes in CSR beams	repair	4/9/2012	4/18/2012		
Harder Mechanical	<a href="#">25</a>	V17456-DWXD-504-00	HRSG #2	4/9/12	Harder NCR H-027 Bent beam	replace	4/9/2012	4/9/2012	4/30/2012	5/1/2012
NADC	<a href="#">26</a>	Deltak DWG 04051772 Sht. 6 of 29	HRSG #3	4/9/12	Duct F cut in wrong location	repair				
LG Constructors	<a href="#">27</a>	LGC Quality Manual	Sample and Analysis Enclosure	5/9/12	Placement of mudmat w/o signed backfill checklist		5/11/2012	5/14/2012	5/14/2012	5/14/2012
Harder Mechanical	<a href="#">28</a>	Calpine Spec. 15060	HRSG#3 Cold Reheat Inlet piping	5/9/12	Filler metal not in compliance with specification	remove and rework	5/11/2012	5/12/2012		

Contractor/ Supplier	NCR No.	Drawing No.	Location	Date Generated	Description	NCR Type	Date to Engineering	Date Answered	Date Comp	Date Closed
UE Compression	<a href="#">29</a>		Gas Compressor Skid	5/15/12	Numerous quality issues	rework	5/16/2012	5/16/2012		
Harder Mechanical	<a href="#">30</a>	Calpine Spec. 15060 and LG Spec 485868	HRSB small bore piping	5/23/12	Filler metal not in compliance with specification	remove and rework	5/23/2012	5/23/2012		
NuSteel	<a href="#">31</a>	LE-GEN-DE-S2-0450 Sht. 12	Pipe Rack Structural Steel	5/29/12	Holes drilled on wrong side of columns	rework	5/29/2012			

**CONDITION OF CERTIFICATION  
STRUC-1**

**Los Esteros Critical Energy Facility, Phase 2  
Monthly Compliance Report #12  
May 2012**

STRUC-1:

All submittals are slated to be to the CBO June 2012 with CBO approval anticipated June/July 2012. This condition should be ready for inclusion in the July 2012 CPM Report.



## DISPOSITION

May 9, 2012

**PROJECT:** LOS ESTEROS CRITICAL ENERGY FACILITY PHASE 2  
**CEC Docket No.:** 03-AFC-2

**CBO COC:** STRUC-1  
**CBO Package No:** CBO-220

**Review Subject:** Pipe Rack Foundations DCN-071

**Applicable Documents:** All drawings listed per Transmittal 03848

## APPROVED

1. Future revisions to this documentation, if any, shall be submitted to the CBO for review.
2. For any questions you may contact Don Wimberly by cell phone 408-930-4066 or by email [dwimberly@aimscorp.com](mailto:dwimberly@aimscorp.com)

Sincerely,

Donald C. Wimberly  
Delegate CBO

Sent to Distribution List



## DISPOSITION

May 4, 2012

**PROJECT:** LOS ESTEROS CRITICAL ENERGY FACILITY PHASE 2  
**CEC Docket No.:** 03-AFC-2

**CBO COC:** STRUC-1  
**CBO Package No:** CBO-241

**Review Subject:** STG Auxiliaries

**Applicable Documents:** All drawings listed per Transmittal 03674

## APPROVED

1. Future revisions to this documentation, if any, shall be submitted to the CBO for review.
2. For any questions you may contact Don Wimberly by cell phone 408-930-4066 or by email [dwimberly@aimscorp.com](mailto:dwimberly@aimscorp.com)

Sincerely,

Donald C. Wimberly  
Delegate CBO

Sent to Distribution List

**CONDITION OF CERTIFICATION  
MECH-1**

**Los Esteros Critical Energy Facility, Phase 2  
Monthly Compliance Report #12  
May 2012**

## MECH-1:

Per the requirements of *MECH-1*, a statement will be provided by the engineer of record that the plans, specifications, and calculations have been prepared in compliance with the applicable LORS. It is currently planned for this statement to be issued upon completion of the design and CBO review process and upon addressing field construction changes which require the approval by the engineer of record. Therefore, this record will be provided in a future Monthly Compliance Report consistent with the design and construction schedule.

**CONDITION OF CERTIFICATION  
ELEC-1**

**Los Esteros Critical Energy Facility, Phase 2  
Monthly Compliance Report #12  
May 2012**

#### ELEC-1:

Per the requirements of *ELEC-1*, a statement will be provided by the engineer of record that the plans, specifications, and calculations have been prepared in compliance with the applicable LORS. It is currently planned for this statement to be issued upon completion of the design and CBO review process and upon addressing field construction changes which require the approval by the engineer of record. Therefore, this record will be provided in a future Monthly Compliance Report consistent with the design and construction schedule.

**CONDITION OF CERTIFICATION  
TSE-4**

**Los Esteros Critical Energy Facility, Phase 2  
Monthly Compliance Report #12  
May 2012**

TSE-4:

Per the requirements of *TSE-4*, a statement will be provided by the engineer of record that the plans, specifications, and calculations have been prepared in compliance with the applicable LORS. It is currently planned for this statement to be issued upon completion of the design and CBO review process and upon addressing field construction changes which require the approval by the engineer of record. Therefore, this record will be provided in a future Monthly Compliance Report consistent with the design and construction schedule.

**CONDITION OF CERTIFICATION  
AQ-SC3**

**Los Esteros Critical Energy Facility, Phase 2  
Monthly Compliance Report #12  
May 2012**

- **AQ-SC3 - Constructive Fugitive Dust Control:** The project owner shall include in the MCR
  - (1) a summary of all actions taken to maintain compliance with this condition:
    - Daily watering using a water truck continuously applying water on all areas of activity on the site including excavations, truck routes (paved and unpaved), and active stockpiles.
    - Use of a street sweeper to keep paved areas clean.
    - Use of a dust meter which takes regular readings throughout the day with the data downloaded and reviewed each day.
    - Dust meters are visually checked throughout the day to assure compliance.
    - Soil stockpiles have been covered with a soil stabilizer with the open face (working side) covered with plastic and the end of each day. The stockpile is being used as backfill and is decreasing in size.
    - Enforcement of the no visual dust policy.
    - Provide training for compliance to all staff
    - Detailed training is provided to all lead staff.
  - (2) copies of any complaints filed with the air district in relation to project construction
    - None noted for May 2012
  - (3) any other documentation deemed necessary for the CPM and AQCMM to verify compliance with this condition
    - None noted for May 2012

**CONDITION OF CERTIFICATION  
AQ-SC5**

**Los Esteros Critical Energy Facility, Phase 2  
Monthly Compliance Report #12  
May 2012**

- **AQ-SC5 - Diesel-Fueled Engine Control:** The project owner shall submit the following: (1) a summary of all actions taken to maintain compliance with this condition
  - **Equipment is inspected daily and maintenance completed as required.**
  - All diesel-fueled engines used in the construction of the facility shall be fueled only with ultra-low sulfur diesel, which contains no more than 15 ppm sulfur. **Confirmed by fuel receipts.**
  - All diesel-fueled engines used in the construction of the facility shall have clearly visible tags issued by the on-site AQCMM showing that the engine meets the conditions set forth herein. **Confirmed by CARB tags.**
  - All construction diesel engines, which have a rating of 100 hp or more, shall meet, at a minimum, the Tier 1 California Emission Standards for Off-Road Compression-Ignition Engines as specified in California Code of Regulations, Title 13, section 2423(b)(1) unless certified by the on-site AQCMM that such engine is not available for a particular item of equipment. **Confirmed by inspection and documented on the Emission Log.**
  - All heavy earthmoving equipment and heavy duty construction related trucks with engines meeting the requirements of (c) above shall be properly maintained and the engines tuned to the engine manufacturer's specifications. **Confirmed by Subcontractor equipment maintenance letters attached.**
  - All diesel heavy construction equipment shall not remain running at idle for more than five minutes, to the extent practical. **Confirmed by observation throughout the day**
  - **Attached emission log**
  
- (2) copies of all diesel fuel purchase records,
  - **Fuel receipts are attached**
- (3) a list of all heavy equipment used on site during that month, including the owner of that equipment and a letter from each owner indicating that equipment has been properly maintained  
**Equipment**  
  
**See attached emission log**
  
- (4) any other documentation deemed necessary by the CPM and AQCMM to verify compliance with this condition  
**See attached emission log**

**CH2MHILL**

<b>Off-Road Construction Equipment</b>											
Equipment Description (bulldozer, grader, etc.);	vehicle ID #	Vehicle manufacturer	Model	Model Year	Engine horsepower rating/ tier	Tier	Fuel type used	Gallons of fuel used	Hours of Operation this Month	Hours of Operation Total for Project	CARB #
NA											
<b>On-Road Vehicles</b>											
Vehicle Description (flat bed, End Dump, etc.)	vehicle ID #	Vehicle manufacturer	Model	Model Year	Engine horsepower rating	Tier	Fuel type used	Gallons of fuel used	Total Miles this Month	Total Miles for Project	
NA											
<b>Passenger cars</b>											
Vehicle Description	vehicle ID #	Vehicle manufacturer	Model	Model Year	Engine horsepower rating	Tier	Fuel type used	Gallons of fuel used	Round trip (In Miles) this Month	Round trip (In Miles) Total Project	
F-150 Gray	8065	Ford	F-150	2011	250	NA	Gas	15	220	1,117.00	NA
F-150 White	8066	Ford	F-150	2011	250	NA	Gas	17	250	1,065.00	NA
<b>Manuel Brothers</b>						Note: F-150 total miles adjusted to correct this month					
<b>Off-Road Construction Equipment</b>											
Equipment Description (bulldozer, grader, etc.);	vehicle ID #	Vehicle manufacturer	Model	Model Year	Engine horsepower rating	Tier	Fuel type used	Gallons of fuel used	Hours of Operation this Month	Hours of Operation Total for Project	CARB #
NA											
<b>On-Road Vehicles</b>											
Vehicle Description (flat bed, End Dump, etc.)	vehicle ID #	Vehicle manufacturer	Model	Model Year	Engine horsepower rating	Tier	Fuel type used	Gallons of fuel used	Total Mile this Month	Total Miles for Project	
Utility truck	1FDAF56R28EB76452	Ford	F550	2007	250	NA	D	1	10	418	NA
<b>Passenger cars</b>											
Vehicle Description	vehicle ID #	Vehicle manufacturer	Model	Model Year	Engine horsepower rating	Tier	Fuel type used	Gallons of fuel used	Round trip (In Miles) this Month	Round trip (In Miles) Total Project	
Pickup	2GTEK13T96112145	GMC	Sierra	2006	250	NA	G	40	1,199	6,726	NA
Pickup	1GCEC19078Z259145	Chevy	1500	2008	195HP/145.41KW	NA	G	30	742	1,926	NA
Pickup	1GCRCSE09BZ218388	Chevy	1500	2011	195HP/145.41KW	NA	G	7	180	435	NA
<b>Harder</b>											
<b>Off-Road Construction Equipment</b>											

Equipment Description (bulldozer, grader, etc.);	vehicle ID #	Vehicle manufacturer	Model	Model Year	Engine horsepower rating	Tier	Fuel type used	Gallons of fuel used	Hours of Operation this Month	Hours of Operation Total for Project	CARB #
Cart	Ranger	Polaris	500 EFI	2011	498cc	NA	diesel	37	32	57	NA
Light Plant	9	Kobota	night hawk	2011	35	NA	diesel	12	10	30	NA
Light Plant	4	Kobota	night hawk	2011	35	NA	diesel	0	0	70	NA
Generator	NB-1726A60165	Airman	Pwrpro 150		87		diesel	0	0	90	
Generator	1014G	Generac					diesel	0	0		NA
Generator 3/12	7350165	Red D Arc	70SS1	2010	87	NA	diesel	209	180	380	NA
Generator	3606	Wisperwatt	DCA-70SSI				diesel	0	0	135	
Generator	NA1478B10071	Red D Arc	70SS1	2010	87	NA	diesel	234	202	253	NA
Generator	NA/7304780	Red D Arc	70SSJ	2008	102	NA	diesel	234	202	402	NA
Generator	1014G	Generac	3.0 L		7.8	NA	diesel	0	0	30	NA
Hoist Lift 360	28501	Hoist	P360	2005	152	2	Diesel	57	49	216	RJ3E48
Compressor	917991	Atlas			49		diesel	0	0	20	
Compressor	833306	Atlas			49		diesel	0	0	20	
Compressor	989595	Sullair			49		diesel	0	0	20	
Crane	8246	Manitowoc	999s3	2000	390	3	diesel	0	0	275	MG8YK5
Crane	3626	Link-Belt	RTC 130	2010	300	2	diesel	197	170	450	DS5E97
Crane	3177	Link-Belt	RTC 8050	2006	165	1	diesel	139	120	240	EM775
Crane	3631	Link-Belt	RTC 8065	2010	300	1	diesel	197	170	465	EK7M75
Manlift	10026318	Genie	125	2011	74	3	diesel	107	92	175	TN3K56
Manlift	1067908	Genie	S-85	2010	74	3	diesel	0	0	80	NA
Manlift	1192989	Genie	S-85	2010	74	3	diesel	129	111	228	DP9C46
Manlift	418401	Genie	S-125		74	3	diesel	0	0	80	
Manlift	1191340	Genie	S-85	2010	73.8	3	diesel	12	10	100	AD4L83
Manlift	397619	genie	Z 60/34	2010	48	3	diesel	139	120	140	XX8P73
Manlift	899152	genie	Z 60/35	2011	48	3	diesel	114	98	128	XX6L83
Manlift	887642	genie	Z 60/36	2011	48	3	diesel	0	0	20	WH5T59
Forklift	912265	Skytrack	8042	2011	190	3	diesel	218	188	331	PN3J44
Forklift	629010	Skytrack	8042	2006	110	2	diesel	222	192	240	VH3R97
Forklift	757328	Gehl	RS8-40	2010			diesel	0	0	180	NA
Forklift	879738	Skytrack	8042	2009			diesel	0	0	94	NA
Welder 5/20	YE-M160014	Red D Arc	502K		49.5	NA	diesel	0	0	0	NA
Welder 3/7	YE-M040053	Red D Arc	550K	2010	49.5	NA	diesel	51	44	44	NA
Welder 3/7	YE-M470002	Red D Arc	550K	2010	49.5	NA	diesel	121	104	104	NA
Welder 3/12	YE-MMB340115	Red D Arc	550K	2010	49.5	NA	diesel	97	84	84	NA
Welder 3/12	YD-M400041	Red D Arc			49.5	NA	diesel	0	0	0	NA
Welder 3/12	YD-M350084	Red D Arc			49.5	NA	diesel	0	0	0	NA
Welder 3/12	YD-M060873	Red D Arc			49.5	NA	diesel	0	0	0	NA
Welder	420167	Miller	500	2010	31.9	NA	diesel	35	30	30	NA
Welder 3/12	YD-M465413	Red D Arc	502		49.5	NA	diesel	0	0	40	NA
Welder	YE-M340017	Red D Arc	502	2010	31.9	NA	diesel	0	0	0	
Welder	YE-M210014	Red D Arc	550k		49.5	NA	diesel	0	0	40	NA
Welder 3/12	YD-M003536	Red D Arc	550k		49.5	NA	diesel	0	0	40	NA
Welder 3/12	M090005	Red D Arc	502K	2010	49.5	NA	diesel	0	0	0	NA
Welder	YE-M30283	Red D Arc	302	2010	20.2	NA	diesel	0	0	0	NA

Passenger cars											
Vehicle Description	vehicle ID #	Vehicle manufacturer	Model	Model Year	Engine horsepower rating	Tier	Fuel type used	Gallons of fuel used	Total Miles this Month	Total Miles for Project	
Stake Bed	H-1	Ford	F350	2011	250	NA	Diesel	0	0	340	NA
Welding truck	A44-8HH	Chevy	2500	1998	250	NA	Diesel	0	0	0	NA
Duran and Venables											
Off-Road Construction Equipment											
Equipment Description (bulldozer, grader, etc.);	vehicle ID #	Vehicle manufacturer	Model	Model Year	Engine horsepower rating	Tier	Fuel type used	Gallons of fuel used	Round trip (In Miles) this Month	Round trip (In Miles) Total Project	CARB #
Bobcat	531616254	Bobcat	T190	2007	2.4L	3	Diesel	0	0	107	HD5C57
Backhoe	TO410JX143882	John Deere	410J	2007	4.5L	3	Diesel	55	72	332	ANSX78
Skip Loader	TO2106J890072	John Deere	210J	2007	4.5L	3	Diesel	55	72	380	JA31363
Compactor	CD433LASNOO14	bomag	CP-433E	1994	4.4L	1	Diesel	19	24	133	JEGN66
Roller	CB224J22402866	Cat	CB-224E	2007	1.49L	3	Diesel	0	0	110	AL7T75
Mini Excavator	A93K13295	Bobcat	E35	2010	2.4L	3	Diesel	51	64	227	VA5D39
Excavator	122991-1017	CAT	305C	2009	48.5	4	Diesel	0	0	10	TJ6M54
On-Road Vehicles											
Vehicle Description (flat bed, End Dump, etc.)	vehicle ID #	Vehicle manufacturer	Model	Model Year	Engine horsepower rating	Tier	Fuel type used	Gallons of fuel used	Hours of Operation this Month	Hours of Operation Total for Project	
Water Truck	269122	Peterbilt	330	2005	300	NA	Diesel	3	45	395	NA
Street Sweeper	5DW792	Athey	VA	1994	200	NA	Diesel	3	25	240	NA
Passenger cars											
Vehicle Description	vehicle ID #	Vehicle manufacturer	Model	Model Year	Engine horsepower rating	Tier	Fuel type used	Gallons of fuel used	Total Miles this Month	Total Miles for Project	
NA											
Overaa											
Off-Road Construction Equipment											
Equipment Description (bulldozer, grader, etc.);	vehicle ID #	Vehicle manufacturer	Model	Model Year	Engine horsepower rating	Tier	Fuel type used	Gallons of fuel used	Hours of Operation this Month	Hours of Operation Total for Project	CARB #
Forklift	G1055A	JLG	860SJ	2007	190	3	Diesel	70	42	231	160032665
On-Road Vehicles											
Vehicle Description (flat bed, End Dump, etc.)	vehicle ID #	Vehicle manufacturer	Model	Model Year	Engine horsepower rating	Tier	Fuel type used	Gallons of fuel used	Total Miles this Month	Total Miles for Project	
NA											
Passenger cars											

Vehicle Description	vehicle ID #	Vehicle manufacturer	Model	Model Year	Engine horsepower rating	Tier	Fuel type used	Gallons of fuel used	Round trip (In Miles) this Month	Round trip (In Miles) Total Project	
NA											
<b>Azco</b>											
<b>Off-Road Construction Equipment</b>											
Equipment Description (bulldozer, grader, etc.);	vehicle ID #	Vehicle manufacturer	Model	Model Year	Engine horsepower rating	Tier	Fuel type used	Gallons of Fuel used	Hours of Operation this Week	Hours of Operation Total for Project	CARB #
Fork lift	1006774	JLG	G12-55A	2008	190	3	Diesel	9	95	95	EJ6L66
Crane	J6J5-7960	Link Belt	RGC80502	2003	404	3	Diesel	10	100	100	TB8U34
Welder	YE110914602	Red D Arc	DX450	2010	45	NA	Diesel	8	80	80	NA
Welder	YE110801288	Red D Arc	DX450	2010	45	NA	Diesel	7	65	65	NA
Crane	8246	Manitowoc	999s3	2000	390	3	Diesel	3	30	30	MG8YK5
Utility Vehicle	1179889	John Deere	XUV 855D	2011	17	NA	Diesel	15	15	15	NA
Golf Cart	AZ1102215	EZ-GO	ST Sport II	2008	13	NA	Gas	15	15	15	NA
Golf Cart	1070971	EZ-GO	ST Sport II	2008	13	NA	Gas	15	15	15	NA
								Fuel is estimated this month			

Card Processing Invoice

Original Page: 2

Overaa Construction  
Account: 51896

Invoice Date: 04/30/2012  
Invoice No: CFS-0483407

*Dave Evans* *John's*

Date/Time	Card	Site	Product	Veh	Manual	Odometer	MPG	Units	Unit Price	Amount
04/17/12 8:53	7553882	Richmond CA - 1942	Regular	0000	0	3,217	0.00	10.83	4.1899	45.37
04/18/12 13:01	7553882	Richmond CA - 1942	Regular	0000	0	3,200	584.35	17.08	4.1899	71.58
04/18/12 15:58	7553882	Richmond CA - 1942	Regular	0000	0	3,217	0.62	27.48	4.1899	115.15
04/23/12 14:53	7553882	Richmond CA - 1942	Regular	0000	0	3,122	860.95	14.99	4.1899	62.79
04/25/12 9:00	7553882	Richmond CA - 1942	Regular	0000	0	3,191	12.30	5.61	4.1899	23.50
04/26/12 8:06	7553882	Richmond CA - 1942	Regular	0000	0	3,191	0.00	14.71	4.1899	60.80
04/26/12 14:14	7553882	Richmond CA - 1942	Regular	0000	0	3,231	1.39	21.71	4.1899	120.30
04/27/12 8:22	7553882	Richmond CA - 1942	Regular	0000	0	3,180	869.99	9.18	4.1899	38.44
04/27/12 10:17	7553882	Richmond CA - 1942	Regular	0000	0	3,159	431.05	23.20	4.1899	97.19
<b>7553882 - OVERAA - NEW #8 Total</b>									151.58	636.12
<b>7644936 - OVERAA NEW #12</b>										
04/17/12 9:03	7644936	Richmond CA - 1942	Regular	0000	0	3,231		28.98	4.1899	121.43
04/23/12 13:07	7644936	Richmond CA - 1942	Regular	0000	0	3,175	338.41	30.10	4.1899	126.10
<b>7644936 - OVERAA NEW #12 Total</b>									59.08	247.53
<b>7827006 - OVERAA #3206</b>										
04/17/12 8:04	7827006	Fremont CA - 1087	Diesel #2	0000	0	3,208	0.00	9.59	4.3999	42.20
04/17/12 8:07	7827006	Fremont CA - 1087	Regular	0000	0	3,208	0.00	9.38	4.1499	38.91
04/19/12 15:50	7827006	Fremont CA - 1087	Diesel #2	0000	0	3,208	0.00	9.90	4.3599	43.14
04/19/12 15:58	7827006	Fremont CA - 1087	Regular	0000	0	3,208	0.00	20.95	4.1499	88.96
04/23/12 15:33	7827006	Richmond CA - 1942	Regular	0000	0	3,208	0.00	14.22	4.1899	59.60
04/27/12 5:51	7827006	Fremont CA - 1087	Diesel #2	0000	0	3,208	0.00	9.91	4.4200	43.78
04/27/12 5:58	7827006	Fremont CA - 1087	Regular	0000	0	3,206	0.00	16.33	4.1599	67.93
<b>7827006 - OVERAA #3206 Total</b>									90.27	382.62
<b>7972678 - OVERAA #3159</b>										
04/18/12 16:10	7972678	Atwater, CA - 5669	Regular	0000	0	3,212	3.01	19.28	4.1599	80.39
04/17/12 16:15	7972678	Atwater, CA - 5669	Regular	0000	0	3,212	0.00	8.82	4.1599	36.55
04/18/12 16:31	7972678	Atwater, CA - 5669	Regular	0000	0	3,155	515.77	19.28	4.1899	80.39
04/19/12 16:41	7972678	Atwater, CA - 5669	Regular	0000	0	3,155	0.00	20.03	4.1699	83.51
04/20/12 15:50	7972678	Atwater, CA - 5669	Regular	0000	0	3,155	0.00	20.25	4.1699	84.46
04/23/12 17:01	7972678	Atwater, CA - 5669	Regular	0000	0	3,155	0.00	27.79	4.1699	115.89
04/24/12 16:46	7972678	Atwater, CA - 5669	Regular	0000	0	3,155	0.00	18.18	4.1699	75.60
04/25/12 16:33	7972678	Atwater, CA - 5669	Regular	0000	0	3,155	0.00	14.14	4.1699	58.97
04/28/12 16:28	7972678	Atwater, CA - 5669	Regular	0000	0	3,155	0.00	15.19	4.1899	63.34
04/27/12 17:15	7972678	Atwater, CA - 5669	Regular	0000	0	3,155	0.00	18.66	4.1699	77.80
04/30/12 20:48	7972678	Atwater, CA - 5669	Regular	0000	0	3,156	0.00	23.73	4.1699	98.96
<b>7972678 - 3159 Total</b>									214.97	896.05
<b>8024582 - JERRY M</b>										
04/16/12 17:02	8024582	Richmond CA - 1942	Diesel #2	0000	0	3,231	0.00	38.98	4.3999	171.52
04/18/12 17:28	8024582	Richmond CA - 1942	Diesel #2	0000	0	3,231	0.00	39.93	4.3999	175.68
04/23/12 16:06	8024582	Richmond CA - 1942	Diesel #2	0000	0	3,231	0.00	10.41	4.3999	45.78
04/26/12 15:29	8024582	Richmond CA - 1942	Diesel #2	0000	0	3,213	159.71	62.50	4.3999	274.99
04/30/12 16:42	8024582	Richmond CA - 1942	Diesel #2	0000	0	3,231	0.72	25.07	4.4599	111.81
<b>8024582 - JERRY M Total</b>									176.89	778.78
<b>8025752 - OVERAA #15</b>										
04/18/12 9:57	8025752	Richmond CA - 1942	Diesel #2	0000	0	31,988	676.38	49.95	4.3999	219.78
04/27/12 7:32	8025752	Tracy, CA - 5331	Diesel #2	0000	0	3,198	999.99	49.57	4.3999	218.10
04/27/12 15:14	8025752	Richmond CA - 1942	Diesel #2	0000	0	3,198	0.00	49.91	4.4199	220.81
<b>8025752 - OVERAA #15 Total</b>									149.43	658.49
<b>Card Transaction Totals</b>								1,575.63	6,719.20	

Tax Authority/Tax	Exception Certificate	Tax Basis	Tax Rate	Actual Tax Amount
CA County Alameda - Alameda County Transit Tax		299.92	1.50000%	4.51
CA County Contra Costa - Contra Costa Tax		2,804.24	1.00000%	28.04
CA County San Joaquin - San Joaquin County Transit		1,032.61	0.50000%	5.16

Card Processing Invoice

Original Page: 2  
 Invoice Date: 05/15/2012  
 Invoice No: CFS 0490938

Overea Construction  
 Account: 51895

Date/Time	Card	Site	Product	Veh	Manual	Odometer	MPS	Units	Unit Price	Amount
05/08/12 17:03	7553881	Concord, CA - 1046	Regular	0000	0	3,175	810.17	13.40	4.2399	56.87
05/08/12 7:25	7553881	Richmond CA - 1942	Regular	0000	0	3,231	2.55	21.99	4.2799	94.12
05/09/12 12:14	7553881	Richmond CA - 1942	Regular	0000	0	3,200	999.99	8.76	4.2799	37.47
05/14/12 7:55	7553881	Richmond CA - 1942	Diesel #2	0000	0	3,200	0.00	25.46	4.4199	112.51
05/15/12 8:15	7553881	Concord, CA - 1046	Regular	0000	0	3,175	883.60	14.59	4.3699	63.77
05/15/12 12:33	7553881	Richmond CA - 1942	Diesel #2	0000	0	3,189	0.76	18.52	4.3699	80.92
<b>7553881 - OVERAA #13 Total</b>								<b>248.68</b>		<b>1,087.87</b>
<b>7553882 - OVERAA - NEW #6</b>										
05/02/12 10:15	7553882	Richmond CA - 1942	Regular	0000	0	3,200	8.20	5.00	4.2199	21.11
05/03/12 7:46	7553882	Richmond CA - 1942	Regular	0000	0	3,200	0.00	16.35	4.2399	69.31
05/04/12 12:52	7553882	Richmond CA - 1942	Regular	0000	0	3,221	2.18	9.64	4.2399	40.89
05/04/12 18:49	7553882	Richmond CA - 1942	Regular	0000	0	3,217	999.99	7.22	4.2399	30.82
05/06/12 8:24	7553882	Richmond CA - 1942	Regular	0000	0	3,212	999.99	9.57	4.2399	40.57
05/08/12 8:49	7553882	Richmond CA - 1942	Diesel #2	0000	0	3,212	0.00	12.76	4.4399	56.05
05/08/12 14:17	7553882	Richmond CA - 1942	Regular	0000	0	3,208	417.87	23.91	4.2399	101.36
05/10/12 8:02	7553882	Richmond CA - 1942	Regular	0000	0	3,207	0.00	12.56	4.2799	53.78
05/14/12 8:08	7553882	Richmond CA - 1942	Regular	0000	0	3,207	0.29	17.53	4.3699	76.58
05/15/12 8:02	7553882	Richmond CA - 1942	Regular	0000	0	32,001	999.99	15.69	4.3699	68.57
<b>7553882 - OVERAA - NEW #6 Total</b>								<b>130.23</b>		<b>559.42</b>
<b>7644936 - OVERAA NEW #12</b>										
05/02/12 13:05	7644936	Richmond CA - 1942	Regular	0000	0	3,201	0.88	29.44	4.2199	124.23
05/08/12 18:04	7644936	Richmond CA - 1942	Diesel #2	0000	0	3,217	1.74	9.20	4.4399	40.89
05/08/12 18:06	7644936	Richmond CA - 1942	Regular	0000	0	3,214	0.03	4.98	4.2399	21.10
05/09/12 8:37	7644936	Richmond CA - 1942	Regular	0000	0	3,201	318.02	31.39	4.2799	134.38
05/14/12 8:18	7644936	Richmond CA - 1942	Regular	0000	0	3,175	495.41	20.17	4.3699	87.98
05/15/12 7:49	7644936	Richmond CA - 1942	Regular	0000	0	3,186	1.84	14.77	4.3699	61.47
05/15/12 7:53	7644936	Richmond CA - 1942	Regular	0000	0	3,199	0.00	18.70	4.3699	84.23
<b>7644936 - OVERAA NEW #12 Total</b>								<b>123.91</b>		<b>534.22</b>
<b>7827006 - OVERAA #3206</b>										
05/01/12 16:01	7827006	Fremont CA - 1087	Diesel #2	0000	0	3,206	0.00	9.90	4.4599	44.43
05/01/12 16:06	7827006	Fremont CA - 1087	Regular	0000	0	3,206	0.00	24.21	4.1599	100.89
05/08/12 6:01	7827006	Fremont CA - 1087	Diesel #2	0000	0	3,206	0.00	10.08	4.4399	44.75
05/08/12 6:06	7827006	Fremont CA - 1087	Regular	0000	0	3,206	0.00	22.67	4.2399	96.13
05/10/12 6:02	7827006	Fremont CA - 1087	Diesel #2	0000	0	3,206	0.00	9.46	4.3990	41.61
05/10/12 8:05	7827006	Fremont CA - 1087	Regular	0000	0	3,206	0.00	9.90	4.2790	42.36
05/11/12 5:50	7827006	Fremont CA - 1087	Diesel #2	0000	0	3,206	0.00	9.86	4.3990	43.38
05/11/12 5:54	7827006	Fremont CA - 1087	Regular	0000	0	3,206	0.00	15.19	4.3299	65.77
<b>7827006 - OVERAA #3206 Total</b>								<b>111.33</b>		<b>479.12</b>
<b>7972678 - 3155</b>										
05/01/12 16:51	7972678	Atwater, CA - 5669	Regular	0000	0	3,155	0.00	29.37	4.1699	122.48
05/02/12 12:54	7972678	Atwater, CA - 5669	Regular	0000	0	3,155	0.00	18.10	4.1899	67.62
05/03/12 14:48	7972678	Atwater, CA - 5669	Regular	0000	0	3,155	0.00	12.44	4.2500	52.98
05/04/12 10:16	7972678	Atwater, CA - 5669	Regular	0000	0	3,155	0.00	28.75	4.2500	122.48
05/04/12 12:31	7972678	Atwater, CA - 5669	Regular	0000	0	3,155	0.00	15.19	4.2500	64.71
05/08/12 18:39	7972678	Atwater, CA - 5669	Regular	0000	0	3,155	0.00	32.88	4.2500	140.01
05/10/12 16:19	7972678	Atwater, CA - 5669	Regular	0000	0	3,155	0.00	36.16	4.2890	165.48
05/11/12 18:18	7972678	Atwater, CA - 5669	Regular	0000	0	3,155	0.00	34.53	4.3690	150.84
05/14/12 18:41	7972678	Atwater, CA - 5669	Regular	0000	0	3,155	0.00	24.82	4.3690	107.58
<b>7972678 - 3155 Total</b>								<b>230.04</b>		<b>984.12</b>
<b>8024582 - JERRY M</b>										
05/02/12 18:40	8024582	Richmond CA - 1942	Diesel #2	0000	0	3,231	0.00	37.95	4.4599	169.24
05/04/12 16:44	8024582	Richmond CA - 1942	Diesel #2	0000	0	3,231	0.00	24.93	4.4599	111.18
05/07/12 18:41	8024582	Richmond CA - 1942	Diesel #2	0000	0	3,231	0.00	45.10	4.4599	201.56
05/08/12 18:59	8024582	Richmond CA - 1942	Diesel #2	0000	0	3,231	0.00	48.94	4.4399	217.27
05/10/12 18:11	8024582	Richmond CA - 1942	Diesel #2	0000	0	3,231	0.00	48.06	4.4199	212.43
05/14/12 16:37	8024582	Richmond CA - 1942	Diesel #2	0000	0	3,231	0.00	0.58	4.4199	2.58
05/14/12 18:43	8024582	Richmond CA - 1942	Diesel #2	0000	0	32,331	999.99	19.52	4.4199	86.28

TYLER Copy

JOB 25150005400  
TRUCK 2612  
*[Signature]*

TRIMBLE 76 , 00035073  
2591 SEABOARD AVE  
SAN JOSE , CA

05/12/2012 08:33:56 AM 598911343

6287 WEX

INVOICE 083015  
AUTH 00-291960  
REF 000030512120030

PUMP# 7	
REGULAR	19.6166
PRICE/GAL	4.379
FUEL TOTAL	\$ 85.90

Subtotal = \$	85.90
Tax = \$	0.00
Total = \$	85.90

CREDIT \$ 85.90  
Batch: 00 Seq Num: 3  
Term ID: 7  
Vehicle Card Number: 34821  
Workstation ID: 00  
WANT FREE GAS?  
REGISTER TO WIN AT  
WWW.GASVISIT.COM

TIM PLATNER

121868

190 W. Calaveras Blvd  
Milpitas Ca 95035

MILPITAS UNION 76 , 00010093631  
190 WEST CALAVERAS  
MILPITAS , CA

05/14/2012 06:31:50 PM 238644394

4550 WEX

INVOICE 182845  
AUTH 00-250703  
REF 440100514121828

PUMPH 11	
REGULAR	20.5000
PRICE/GAL	4.399
FUEL TOTAL	\$ 90.62

-----  
Subtotal = \$ 90.62

Tax = \$ 0.00

-----  
Total = \$ 90.62

CREDIT \$ 90.62

Batch: 44 Seq Num: 10  
Term ID: 11  
Vehicle Card Number: 11721  
Workstation ID: 00  
WANT FREE GAS?  
REGISTER TO WIN AT  
WWW.GASVISIT.COM

THANK YOU

TRUCK # 52344

VEHICLE

FUEL TANK

MCCARTHY RANCH CHEVRO  
367 CYPRESS DR.  
MILPITAS, CA  
STN 00205864

05/15/12 14:28:03

E/WEX FLEET  
xxxxxxxxxxxxxxxx4550  
Invoice# 6420045  
Auth# 278089  
OD: 00058630

Pump#: 14  
54.350G @ \$ 4.599/G  
DIES/Self \$250.00

Total \$250.00

Save up to 6 cents  
per gal with the  
Chevron & Texaco  
Business MasterCard!  
Call 1.888.243.8358

CarWash NoRefundable  
1 Discount Per Day  
Use 2 Wash In 3Months

L - TANK

MCCARTHY RANCH CHEVRO  
367 CYPRESS DR.  
MILPITAS, CA  
STN 00205864

05/15/12 14:41:24

E/WEX FLEET  
xxxxxxxxxxxxxxxx4550  
Invoice# 6420049  
Auth# 278971  
OD: 00000300

Pump#: 14  
3.179G @ \$ 4.599/G  
DIES/Self \$ 14.62

Total \$ 14.62

Save up to 6 cents  
per gal with the  
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C. OVERAA & CO.

Matt Pedroni  
Equipment Manager

**CONDITION OF CERTIFICATION  
WS-4**

**Los Esteros Critical Energy Facility, Phase 2  
Monthly Compliance Report #12  
May 2012**

# EAST BAY SAFETY, Inc.

## Safety Observation Report

**Date:** 5/7/2012

**Project:** LECEF Phase 2

**Location:** 800 Thomas Foon Chew Way, San Jose, Ca. 95134

**Role:** Safety Monitor

**Purpose of visit:** Independent on-site safety inspection

**Weather:** Sunny

**Site Safety Personnel:** Gary Brown, Lee Alexander

**Contractors observed on site:** LGC, Overra, Kirk, Manual Brothers, Harder, MJ Electric, MCR, AGCO

### **Overall Observations:**

Cooling Tower Depot Assembly in progress.

Inlet Duct #3 stair assembly and lift in progress.

Welding in progress on Condenser Units.

Confined space permit in use, atmospheric monitoring results posted, scaffold tags current.

Welding in progress on Condenser Unit: Upper Transition. (Picture 1)

Welding/Grinding in progress inside of HRSG Units (Picture 2)

HRSG Base Plate assembly in progress (Picture 3)

South end of Unit #3. Bird nest under construction. Gary Brown notified (Picture 4)

Blow Down Area: Welding in progress, flash shield not in use, Gary brown notified. (Picture 5)



1



2



3



4



5

### **Positive Observations:**

Attended Safety Meeting: Topics: Parking Policy, Boot Policy-ANSI-Z41, Hydration, Housekeeping, Designated Break Times and Areas, Face Shield Policy, Fire Watch Policy, Spot Awards.

Water truck in use.

### **Safety Procedures & Practices:**

Walked the site with Gary Brown and discussed the following:

Above observations, site conditions, PTP's, scaffolds and stairs.

*Bill Bellin*

5/7/2012

Signature

Date

**EAST BAY SAFETY, Inc.**

bill@eastbaysafety.com

Mailing Address: P.O. Box 600, San Lorenzo, Ca. 94580 Phone 510- 209-3017

# EAST BAY SAFETY, Inc.

## Safety Observation Report

**Date:** 5/14/2012

**Project:** LECEF Phase 2

**Location:** 800 Thomas Foon Chew Way, San Jose, Ca. 95134

**Role:** Safety Monitor

**Purpose of visit:** Independent on-site safety inspection

**Weather:** Cloudy

**Site Safety Personnel:** Gary Brown, Lee Alexander

**Contractors observed on site:** LGC, Overra, Kirk, Manual Brothers, Harder, MJ Electric, MCR, AGCO

### Overall Observations:

Welding in progress on Condenser Units.

Confined space permit in use, atmospheric monitoring results posted, scaffold tags current.

Welding/Grinding in progress inside of HRSG Units

Blow Down Area between Units 1 and 4: Holiday Testing on pipe in progress. (Picture 1)

Pipe assembly in progress at various pipe fabrication areas. (Picture 2, 3, 4)

Welding in progress on Condenser Unit: Upper Transition. Welding shields not in use.

Gary Brown notified, shields in place. (Picture 5)



### Positive Observations:

Attended Safety Meeting: Topics: PTP's-add special inspectors, Tent Fire Zones, Fork Lift Zone Policy, X-Ray Weld Isolation Zone & Lay Down Yard Policy, Red Barricade Tape Policy, Parking Policy, and Spot Awards.

Top of Condenser Unit, Upper Transition: Witnessed a Harder employee assisting QC personnel with Fall Protection Equipment.

LG clean up crew active on site.

Water truck in use.

### Safety Procedures & Practices:

Walked the site with Gary Brown and discussed the following:

Above observations, site conditions, PTP's, to include special inspectors, new employee safety training and updates, confined space policy.

*Bill Bellm*

5/14/2012

Signature

Date

**EAST BAY SAFETY, Inc.**

bill@eastbaysafety.com

Mailing Address: P.O. Box 600, San Lorenzo, Ca. 94580 Phone 510- 209-3017

# EAST BAY SAFETY, Inc.

## Safety Observation Report

**Date:** 5/21/2012

**Project:** LECEF Phase 2

**Location:** 800 Thomas Foon Chew Way, San Jose, Ca. 95134

**Role:** Safety Monitor

**Purpose of visit:** Independent on-site safety inspection

**Weather:** Sunny

**Site Safety Personnel:** Gary Brown, Lee Alexander

**Contractors observed on site:** LGC, Overra, Manual Brothers, Harder, MJ Electric, MCR, AGCO

### Overall Observations:

Unit #1 Boiler exterior assembly progress. (Picture 1)

Welding/Grinding in progress inside of HRSG Units

Condenser Units: Welding in progress.

Confined space permit & admittance form in use, atmospheric monitoring results posted, scaffold tags current.

Wind tarps and welding shields in use. (Picture 2)



1

2

3

4

### Positive Observations:

Attended Safety Meeting: Topics: Caution around truck loading, parking issues, driving policy, safety committee walk/review, tent fire lane policy, trash policy, cell phone policy, hydration, PPE review- glasses & gloves, spot awards.

Water truck in use.

Wind tarps, welding shields & chord stands in use at various locations. (Pictures 3&4)

### Safety Procedures & Practices:

Walked the site with Gary Brown and discussed the following:

Above observations, site conditions, scaffold erection, welding & electrical chord stands, lay down yards, flash shields & tarps.

*Bill Bellm*

5/21/2012

Signature

Date

**EAST BAY SAFETY, Inc.**

bill@eastbaysafety.com

Mailing Address: P.O. Box 600, San Lorenzo, Ca. 94580 Phone 510- 209-3017

# EAST BAY SAFETY, Inc.

## Safety Observation Report

**Date:** 5/29/2012

**Project:** LECEF Phase 2

**Location:** 800 Thomas Foon Chew Way, San Jose, Ca. 95134

**Role:** Safety Monitor

**Purpose of visit:** Independent on-site safety inspection

**Weather:** Cloudy

**Site Safety Personnel:** Gary Brown

**Contractors observed on site:** LGC, Overra, Manual Brothers, Harder, MJ Electric, MCR, AZCO

### **Overall Observations:**

Welding/Grinding in progress inside of HRSG Units

Grinding in progress on Condenser Units. (Picture 1)

Pipe rack assembly and lift in progress. (Pictures 2 & 3)

Unsecured ladder and access ramp at east side of Condensate Pump Pit. (Picture 4)

Caution tape down on west side of trench by PDC Area. (Picture 5)

Witnessed an AZCO employee rigging without gloves. Notified AZCO Safety Manager and Gary Brown.



### **Positive Observations:**

Attended Safety Meeting: Topics: Safety Value, Parking Policy, Safety Stats, Fall Protection Tie off Review, Spot Awards.

Confined space permit in use, atmospheric monitoring results posted, scaffold tags current.

### **Safety Procedures & Practices:**

Met with Gary Brown and discussed the following:

Above observations, site conditions, PPE, walkways & ramps.

*Bill Beltn*

5/29/2012

Signature

Date

**EAST BAY SAFETY, Inc.**

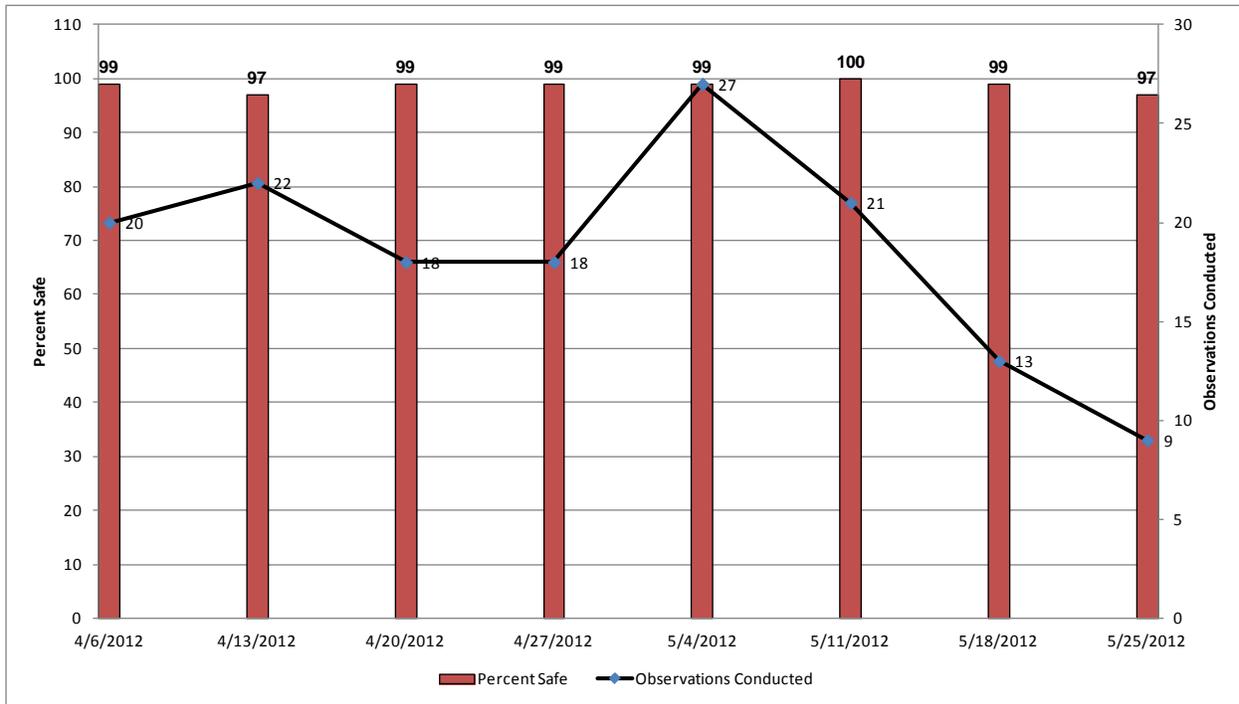
bill@eastbaysafety.com

Mailing Address: P.O. Box 600, San Lorenzo, Ca. 94580 Phone 510- 209-3017

## Health, Safety, Security & Environment

Leading Safety Indicators				
Category	Month	YTD	PTD	Comments
HSSE Orientation	184	423	1068	
Safe Behavior Observations	70	309	895	*See SBO Graph & Detail report for trends and category breakdown
SBO % Safe (SBOs ÷ Goal)				
Pre-Task Plans*	685	1925	3644	*See PTP Detail report for trends and category breakdown
Tasks Performed w/o PTP	0	0	1	
HSSE Audits	55	222	1084	
Audit Items (Past Target Date)	0	0	0	
Hot Work Permits	321	734	734	
Non-Permit Confined Space Entry Permits	184	315	315	
Safety Committee Meetings	4	20	58	
HSE Training Hours	-	-	-	
Emergency Response Drills	0	0	1	
*Includes Calpine contractor PTPs				
Incident Summary				
Date	Incident Type (FA, NM, Spill, etc)	Employer	Description/Corrective Actions	
5/18/12	Property Damage	Overaa	Dig-in 4" non-energized HDPE water line	
HSSE Accomplishments/Activities/Concerns				

## Safe Behavior Observations 8 Week Trend - Percent Safe/Observations Conducted



## SBO Detail Last 8 Weeks – Category Breakdown

Week Ending	5/4/2012		5/11/2012		5/18/2012		5/25/2012		Last 8 weeks		Project Totals	
	Safe	At-Risk	Safe	At-Risk	Safe	At-Risk	Safe	At-Risk	Safe	At-Risk	Safe	At-Risk
Aerial Lifts	6	0	2	0	2	0	2	0	28	0	88	0
Barricading	21	0	12	0	9	0	5	1	95	3	545	9
Body Positioning	24	0	20	0	12	1	9	0	137	1	722	5
Confined Space	3	0	2	0	3	0	0	0	24	0	159	0
Electrical	10	0	11	0	9	0	4	0	73	0	413	4
Excavations	6	0	4	0	1	0	2	0	23	0	357	1
Eye	27	0	21	0	13	0	9	0	146	1	740	12
Fall Protection	12	0	5	0	6	0	2	0	50	0	170	1
Foot	25	2	21	0	13	0	9	0	145	2	745	7
Hand	27	0	21	0	13	0	8	1	145	2	731	18
Head	26	1	21	0	13	0	9	0	145	2	745	7
Hearing	5	0	7	0	3	0	5	0	42	1	288	5
Housekeeping	25	0	20	0	12	0	9	0	140	1	725	8
Ladders	7	0	4	0	6	0	3	0	34	0	268	7
Lockout	0	0	1	0	0	0	0	0	9	0	124	0
Manual Lifting	18	0	16	0	9	0	7	0	105	0	653	0
Mobile Equipment	18	0	12	0	6	0	5	0	91	0	529	4
Other	1	0	0	0	0	0	0	0	2	1	11	5
Respiratory	2	0	2	0	0	0	1	0	8	0	39	0
Rigging	12	0	4	0	3	0	2	1	49	2	221	4
Scaffolds	5	0	3	0	4	0	1	0	24	0	83	0
Slip/Trip/Fall	20	0	17	0	13	0	8	0	119	1	698	10
Tools In Use	24	0	19	0	12	0	8	0	135	1	713	8
Work Permit	14	0	11	0	8	0	7	0	83	1	497	3
<b>Totals</b>	<b>338</b>	<b>3</b>	<b>256</b>	<b>0</b>	<b>170</b>	<b>1</b>	<b>115</b>	<b>3</b>	<b>1852</b>	<b>19</b>	<b>10264</b>	<b>118</b>
<b>Percent Safe</b>	<b>99.00</b>		<b>100.00</b>		<b>99.00</b>		<b>97.00</b>		<b>98.00</b>		<b>98.00</b>	

**Pre-Task Planning (PTP)  
PTP Detail**

Week Ending	5/4/2012		5/11/2012		5/18/2012		5/25/2012		Last 8 weeks		Project Totals	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
Appropriately Signed	22	0	21	0	12	0	7	0	129	0	630	2
Hazards for Step Identified	22	0	21	0	12	0	7	0	128	1	630	2
Identified Hazards Adequately Mitigated	22	0	21	0	12	0	7	0	128	1	630	2
New/Changing Tasks Added to PTP	0	0	0	0	0	0	0	0	0	0	0	1
Potential Hazard Checklist Completed	22	0	21	0	12	0	7	0	129	0	631	1
PTP is Followed	22	0	21	0	12	0	7	0	129	0	630	2
PTP is Posted	22	0	21	0	12	0	7	0	129	0	631	1
Required PPE Listed	22	0	21	0	12	0	7	0	129	0	629	3
Steps to Complete Task Identified	22	0	20	1	12	0	7	0	127	2	629	3
Work Area Evaluation Completed	22	0	21	0	12	0	7	0	129	0	631	1
<b>Totals</b>	<b>198</b>	<b>0</b>	<b>188</b>	<b>1</b>	<b>108</b>	<b>0</b>	<b>63</b>	<b>0</b>	<b>1157</b>	<b>4</b>	<b>5671</b>	<b>18</b>

Week Ending	5/4/2012		5/11/2012		5/18/2012		5/25/2012		Last 8 weeks		Project Totals	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
Good PTP	22	0	20	0	12	0	7	0	127	0	625	0
Inadequate PTP	0	0	1	0	0	0	0	0	2	0	7	0
No PTP	0	0	0	0	0	0	0	0	0	0	1	0
PTP Not Audited	5	0	0	0	1	0	2	0	19	0	121	0
<b>Percent Safe - Good PTP</b>	<b>100</b>	<b>0</b>	<b>95</b>	<b>0</b>	<b>100</b>	<b>0</b>	<b>100</b>	<b>0</b>	<b>98</b>	<b>0</b>	<b>98</b>	<b>0</b>

### HSE Lagging Indicators

Employer	May - 2012										Year to Date - 2012										Project to Date									
	Hours Worked	N	E	F	R	T	R	R	D	D	Hours Worked	N	E	F	R	T	R	R	D	D	Hours Worked	N	E	F	R	T	R	R	D	D
	M	N	V	A	C	R	D	C	R	C	M	V	A	C	R	D	C	R	C	R	M	V	A	C	R	D	C	R	C	R
LGC Staff	5,218	0	0	0	0	0.00	0	0.00	0	0.00	21,902	0	0	0	0	0.00	0	0.00	0	0.00	41,218	1	0	2	0	0.00	0	0.00	0	0.00
Overra	2,680	0	0	0	0	0.00	0	0.00	0	0.00	12,384	0	1	0	0	0.00	0	0.00	0	0.00	37,698	2	4	0	0	0.00	0	0.00	0	0.00
Harder	31,838	0	0	0	0	0.00	0	0.00	0	0.00	73,926	2	3	1	0	0.00	0	0.00	0	0.00	92,809	7	3	3	0	0.00	0	0.00	0	0.00
Kier-Wright		0	0	0	0	0.00	0	0.00	0	0.00	211	0	0	0	0	0.00	0	0.00	0	0.00	323	0	0	0	0	0.00	0	0.00	0	0.00
IRC		0	0	0	0	0.00	0	0.00	0	0.00	0	0	0	0	0.00	0	0.00	0	0.00	314	0	0	0	0	0.00	0	0.00	0	0.00	
TLG	854	0	0	0	0	0.00	0	0.00	0	0.00	3,594	0	0	0	0	0.00	0	0.00	0	0.00	5,528	0	0	0	0	0.00	0	0.00	0	0.00
Hanson Pressure Pipe		0	0	0	0	0.00	0	0.00	0	0.00	0	0	0	0	0.00	0	0.00	0	0.00	100	0	0	0	0	0.00	0	0.00	0	0.00	
Contra Costa Electric		0	0	0	0	0.00	0	0.00	0	0.00	0	0	0	0	0.00	0	0.00	0	0.00	100	0	0	0	0	0.00	0	0.00	0	0.00	
MJ Electric	1,712	0	0	0	0	0.00	0	0.00	0	0.00	9,794	0	0	0	0	0.00	0	0.00	0	0.00	11,291	0	1	0	0	0.00	0	0.00	0	0.00
Telecom Plus		0	0	0	0	0.00	0	0.00	0	0.00	0	0	0	0	0.00	0	0.00	0	0.00	1,171	0	0	0	0	0.00	0	0.00	0	0.00	
Bay Area Construction		0	0	0	0	0.00	0	0.00	0	0.00	0	0	0	0	0.00	0	0.00	0	0.00	965	0	0	0	0	0.00	0	0.00	0	0.00	
CMT	390	0	0	0	0	0.00	0	0.00	0	0.00	1,541	0	0	0	0	0.00	0	0.00	0	0.00	2,524	0	0	0	0	0.00	0	0.00	0	0.00
DSM		0	0	0	0	0.00	0	0.00	0	0.00	0	0	0	0	0.00	0	0.00	0	0.00	387	0	0	0	0	0.00	0	0.00	0	0.00	
McClure Electric		0	0	0	0	0.00	0	0.00	0	0.00	28	0	0	0	0	0.00	0	0.00	0	0.00	303	0	0	0	0	0.00	0	0.00	0	0.00
N. American Demolition		0	0	0	0	0.00	0	0.00	0	0.00	5,908	1	0	0	0	0.00	0	0.00	0	0.00	5,908	1	0	0	0	0.00	0	0.00	0	0.00
AZCO	3,640	0	0	0	0	0.00	0	0.00	0	0.00	3,640	0	0	0	0	0.00	0	0.00	0	0.00	3,640	0	0	0	0	0.00	0	0.00	0	0.00
		0	0	0	0	0.00	0	0.00	0	0.00	0	0	0	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0.00	0	0.00	0	0.00	
		0	0	0	0	0.00	0	0.00	0	0.00	0	0	0	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0.00	0	0.00	0	0.00	
		0	0	0	0	0.00	0	0.00	0	0.00	0	0	0	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0.00	0	0.00	0	0.00	
		0	0	0	0	0.00	0	0.00	0	0.00	0	0	0	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0.00	0	0.00	0	0.00	
Project Totals (LGC)	46,332	0	0	0	0	0.00	0	0.00	0	0.00	132,928	3	4	1	0	0.00	0	0.00	0	0.00	204,279	11	8	5	0	0.00	0	0.00	0	0.00
CCMCI	795	0	0	0	0	0.00	0	0.00	0	0.00	4,455	0	0	0	0	0.00	0	0.00	0	0.00	9,802	1	0	0	0	0.00	0	0.00	0	0.00
Water Cooling Depot		0	0	0	0	0.00	0	0.00	0	0.00	9,687	0	0	0	0	0.00	0	0.00	0	0.00	14,884	2	0	0	0	0.00	0	0.00	0	0.00
Project Totals (Client)	795	0	0	0	0	0.00	0	0.00	0	0.00	14,142	0	0	0	0	0.00	0	0.00	0	0.00	24,686	3	0	0	0	0.00	0	0.00	0	0.00
		0	0	0	0	0.00	0	0.00	0	0.00	0	0	0	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0.00	0	0.00	0	0.00	
Project Totals (Combined)	47,127	0	0	0	0	0.00	0	0.00	0	0.00	147,070	3	4	1	0	0.00	0	0.00	0	0.00	228,965	14	8	5	0	0.00	0	0.00	0	0.00



**CONDITION OF CERTIFICATION  
BIO-2**

**Los Esteros Critical Energy Facility, Phase 2  
Monthly Compliance Report #12  
May 2012**

**Biological Resources**  
**Construction Monitoring for the**  
**Los Esteros Critical Energy Facility**

**MONTHLY COMPLIANCE REPORT #12**

**May 2012**

**Prepared by:**

**CH2M HILL**

**2485 Natomas Park Drive, Suite 600**

**Sacramento, California 95833**

**Los Esteros Critical Energy Facility**  
**MONTHLY COMPLIANCE REPORT**

**May 2012**

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**APPENDICES**

- A) Cumulative Wildlife Species Observed in or Near the Project Area
- B) Representative Site Photographs
- C) Wildlife Observation Forms

# INTRODUCTION

---

Los Esteros Critical Energy Facility LLC (the Applicant) obtained a license from the California Energy Commission (CEC) for continued operation of Phase 1 of the Los Esteros Critical Energy Facility (LECEF or the project) located in San Jose, Santa Clara County, California. Phase 1 is a nominal 180 megawatt (MW) natural-gas-fired peaking power plant consisting of four simple-cycle combustion turbine generators and associated equipment. The license also authorizes conversion of the peaker power plant to combined-cycle operation. The combined-cycle conversion will involve the addition of four heat recovery steam generators (HRSG), one steam-turbine generator (STG), a six-cell, plume-abated cooling tower, and ancillary equipment to the LECEF for a total combined nominal generating capacity of 320 MW.

The Applicant originally applied for a CEC license for Phase 1 of the LECEF in August 2001, under the expedited licensing provision promulgated under California Public Resources Code (PRC) §25552. The CEC granted the Phase 1 license in August 2002, and the LECEF was constructed and became operational in March 2003. The purpose of the Phase 2 CEC Application for Certification (AFC) was to meet the requirement of PRC §25552 by recertifying (relicensing) Phase 1 and certifying Phase 2 conversion to combined-cycle, which will allow the project to achieve much higher efficiency in generating power.

As licensed and constructed, the 21-acre LECEF Phase 1 site currently consists of the following features:

- Four GE LM6000 SPRINT combustion turbine generators (CTG) with water injection
- Oxidation catalysts and selective catalytic reduction (SCR) pollution control equipment, installed within four HRSG casings and stacks (these casings were installed during Phase 1 in anticipation of Phase 2)
- A 115-kilovolt (kV) switchyard
- A 150-foot-long, wood pole transmission line to Pacific Gas and Electric Company's (PG&E) 115-kV Los Esteros-Nortech transmission line, immediately to the west of the LECEF switchyard
- A 2,700-foot-long primary access road, named Thomas Foon Chew Way, linking LECEF with Zanker Road
- A 470-foot-long emergency access road, linking Thomas Foon Chew Way and Alviso-Milpitas Road
- A 55-foot-long, 10-inch-diameter natural gas supply line between the facility and PG&E lines 101 and 109
- Two 1,500-foot-long recycled water supply lines between the facility and the City of San Jose (the City) Waste Pollution Control Plant's (WPCP) recycled water supply pipeline in Zanker Road

- A 2,000-foot-long sanitary sewer discharge line to the City's sewer main in Zanker Road
- A 1,000-foot-long stormwater line between the LECEF and the Coyote Creek flood control channel to the east. Installation of a permanent stormwater outfall, which extended the Phase 1 temporary outfall 250 feet to the low flow channel was completed in accordance with CEC licensing requirements (Phase 1) and other permit conditions (including permits from U.S. Army Corps of Engineers [USACE], Regional Water Quality Control Board [RWQCB], and California Department of Fish and Game [CDFG]) in October 2008.
- A 370-horsepower diesel fire pump

Phase 2 of the project will add the following major equipment to the Phase 1 facility:

- HRSGs tube sections and associated steam drums and piping, to be installed within and around the existing HRSG casings
- HRSG duct burners
- A six-cell, plume-abated cooling tower
- A nominal 140 MW STG
- Circulating water pumps and boiler feedwater pumps
- A deaerating surface condenser
- A second ammonia storage tank to be installed in the existing secondary containment basin
- A 230-kV underground transmission connection to the adjacent Silicon Valley Power (SVP) 230-kV Switching Station through two 115:230-kV transformers

The Project Owner owns the 34-acre project parcel on which the LECEF Phase 1/Phase 2 facilities and temporary construction parking and laydown area are situated. All Phase 2 infrastructure (including HRSGs, STGs, cooling towers, storage tanks, various pumps, and 230-kV connection) will be sited entirely within the existing fenced Phase 1 site. The 13-acre temporary construction parking and laydown area required during Phase 2 construction is located immediately south of LECEF and north of Ranch Drive. The parking and laydown area was also used for parking and laydown during Phase 1 construction. On November 3, 2010, CH2MHILL conducted a reconnaissance of the temporary work area and noted that the site had gone fallow by ruderal grassland species with evidence of routine disking.

A supplement to the Phase 1 Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP) for the LECEF (Phase 2) in the form of a technical memorandum was prepared in December 2010 as required under the conditions of certification (COCs) of the CEC license for Phase 2. The purpose of the Phase 1 BRMIMP was to ensure that actions authorized, funded, or carried out by state or federal lead agencies were not likely to jeopardize the continued existence of endangered, threatened or other special-status species. The BRMIMP described mitigation measures and guidance to protect biological resources within the Phase 1 project area. The technical memorandum reviews the existing BRMIMP, identifies potential sensitive biological resources that may occur in the proposed project area, describes the current applicability of elements of the original BRMIMP in light of the new Phase 2 license and its conditions of certification, and discusses the mitigation measures that will be implemented to

avoid and minimize impacts to sensitive biological resources during Phase 2 construction and operation. Any deficiencies in the original BRMIMP are resolved in the amendment document to comply with the new conditions of certification.

Sensitive resources that may be encountered during Phase 2 construction are limited to potential habitat for ground-nesting birds including, but not limited to, burrowing owl. The 13-acre temporary parking and laydown area is the only construction area supporting potential habitat; however routine disking that may be occurring there significantly reduces its suitability as nesting habitat. With the exception of the temporary parking and laydown area, all Phase 2 construction will take place within the existing facility footprint. As a result many of the measures and conditions included in the original BRMIMP for Phase 1 are not applicable to Phase 2.

The project was designed to avoid significant adverse impacts to sensitive biological resources to the furthest extent feasible. Protection measures were developed during informal and formal consultation with local, state, and federal agencies to minimize unavoidable project impacts. The Designated Biologist (DB) and/or Biological Monitor (BM) will be available during all phases of construction to ensure compliance with the mitigation measures outlined in the BRMIMP and supplemental memo. The following report includes a summary of the Phase 2 monitored biological activities for May 2012 (May 1 to May 31).

# MONITORED MITIGATION MEASURES AND PERMIT CONDITIONS

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Mitigation measures for the project site were developed through consultation with the CEC, and state and federal agencies. Documentation of compliance with any conditions of the agency permits will be included in this section when required on the project.

## Conditions of Certification (COC)

All COC's were in compliance for the month of May. The following COC's, BIO-2, 4, 8, and 11, were applicable compliance measures for the month of May 2012 and require specific language to be included in each monthly compliance report. Therefore each is addressed separately below.

**BIO-2.** States that implementation of BRMIMP measures shall be reported in the monthly compliance reports by the DB (i.e., survey results, construction activities that were monitored, species observed). This written monthly report was prepared by the DB for the month of May and identifies survey results and construction activities (see General Notes and Observations section below) and species observed (Appendix A).

**BIO-4.** States that every worker will attend and participate in the Worker Environmental Awareness Program (WEAP) and the DB and/or BM make weekly site visits to ensure that BIO-4 was in compliance. During the month of May DB Todd Ellwood and BM Danielle Tannourji verified project compliance with BIO-4.

**BIO-8.** Addresses the implementation and application of biological impact and avoidance measures, Best Management Practices (BMPs), Stormwater Pollution Prevention Plan (SWPPP), and staking and flagging of exclusion zones of biological resources. Also, every worker must participate in the WEAP and the DB and/or BM are to make weekly site visits to ensure that BIO-8 was in compliance during the month of May. During the month of May the DB and BM Danielle Tannourji verified project compliance with BIO-8.

**BIO-11.** Requires that preconstruction surveys be conducted for Western burrowing owl (BUOW) for all project components (i.e., facility and laydown areas) no less than 15-days and no more than 20-days prior to the initiation of construction on each project component. Written reports summarizing results will be sent to CEC Compliance Project Manager (CPM) and California Department of Fish and Game (CDFG). Surveys for BUOW were performed during May and submitted as required in anticipation of a May 11th construction start date. The DB performed preconstruction surveys on April 29, 2011 for the project site and surrounding areas following standard survey techniques for the species. No BUOW or any potential burrow sites were observed during the preconstruction survey. A written report summarizing the results of the surveys was sent to the CPM and CDFG.

The DB and/or BM made biweekly site visits to ensure that BIO-11 remained in compliance during the month of May. The DB and BM continued searches for owl use at the two small mammal burrows located immediately adjacent to the project's temporary parking area as described in the December 2011 report. During two extended surveys on December 28<sup>th</sup> and December 30<sup>th</sup>, no owl sign or activity was observed at the burrows; therefore the burrows were determined to be unoccupied by burrowing owls. As a preventative measure against future use, in January 2012 the BM installed one-way doors at the two burrow sites. No sign or activity of burrowing owls was observed in May at either of the burrows.

# SUMMARY OF SITE ACTIVITIES

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This section provides a summary of May 2012 project activities and associated biological monitoring. A cumulative wildlife species list is included in Appendix A. The DB Todd Ellwood and BM Danielle Tannourji completed logs summarizing activities, personal interactions, and observations made during each site visit.

## Site Construction

Construction in May included installation of the cooling towers and new HRGSs, underground piping and conduit installation, site grading, trenching, backfilling of excavations and trenches, and expansion of the laydown area adjacent to the temporary parking lot. Monitoring visits by the DB or BM were conducted biweekly to document permit compliance. The DB and BM were on-call all other times during the month.

## Worker Environmental Awareness Training Program

The Worker Environmental Awareness Program (WEAP) was developed exclusively for the LECEF Phase 2 project. Program materials include a worker handbook, training video, posted speed limit signs and sensitive species awareness supporting posters. As required by COC BIO-4, all new employees must attend the WEAP training. A total of 167 personnel received WEAP training in May. The Calpine Safety Supervisor administered the WEAP training to new employees. Signed affidavits are kept on file by the Calpine Safety Supervisor in the site trailer.

## General Daily Notes and Observations

Most of the construction is located within the fence line of the existing plant; however the temporary parking lot and adjoining laydown area immediately south of the main site are being used. Since most of the construction is located within the fence line of the existing plant, monitoring has been reduced to every other week with weekly check in calls. The DB assisted by the BM covered project biological oversight. A clearance survey of the project's proposed underground transmission line interconnection occurred on May 23. General site inspections and the clearance survey documented compliance with all biological resources COCs. The monitoring efforts for May are documented below. During this monitoring effort the LECEF project was in compliance with all biological resources COCs.

On May 1<sup>st</sup> the DB was contacted by a construction supervisor, Tyler Deeds, regarding a bird nest in the temporary parking lot. The nest was found by a site worker in a flat-bed trailer as the worker was preparing to use the trailer to transport a load of equipment into the main site. Upon inspection by the DB, the nest was determined to be house finch (*Carpodacus mexicanus*) and active with two eggs. Because the nest was made and eggs laid concurrently with laydown activities in the immediate vicinity, the DB cordoned off just the trailer from project work until the eggs hatch and young fledge. A wildlife observation form documenting this encounter is included in Appendix C.

On May 9<sup>th</sup>, BM Danielle Tannourji was on site to monitor construction and temporary staging activities. Ongoing site activities included continued installation of the cooling towers and HRSGs, underground piping and conduit installation, and construction of various above ground infrastructure. No disturbances were noted to the active house finch nest located in the flat-bed trailer. The BM observed no other active bird nests in the project vicinity. The road sweeper and water truck were used periodically throughout the site and the parking/staging area, respectively. During this monitoring effort the LECEF project was in compliance with all biological resources COCs.

On May 17<sup>th</sup>, construction supervisor Tyler Deeds contacted the BM regarding an empty bird nest found in a HRSG. Mr. Deeds emailed several photographs of the empty nest, which was confirmed by the BM as inactive (lacking eggs or nestlings). Therefore, the BM allowed the nest to be removed.

On May 21<sup>st</sup> the DB conducted a clearance survey of the project's proposed underground transmission line to the Silicon Valley Power (SVP) substation located adjacent to LECEF to the north. The survey area included the portion of LECEF's and SVP's properties to be impacted during installation of the underground line. The majority of the proposed route is developed as LECEF Phase 1 graveled switchyard and SVP's graveled and paved substation. The proposed route between the respective properties also intersects a narrow strip of ruderal vegetation where a manmade ditch occurs. During the survey, the DB noted no sensitive biological resources including nesting birds (e.g., burrowing owl) within or adjacent to the survey area.

On May 21<sup>st</sup> the DB remained onsite to monitor construction and temporary staging activities. Ongoing site activities included continued installation of the cooling towers, underground piping and conduit installation, and construction of various above ground infrastructure. No disturbances were noted to the active house finch nest located in the flat-bed trailer. The road sweeper and water truck were used periodically throughout the main site, laydown/parking lot area, respectively. During this monitoring effort the LECEF project was in compliance with all biological resources COCs.

**Appendix A**  
**Cumulative Wildlife Species Observed In or Near**  
**the Project Area**

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**Cumulative Wildlife Species Observed in or Near the LECEF Project Area**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Comments</b>
<b>BIRDS</b>		
Great blue heron	<i>Ardea herodias</i>	Fly over
Great egret	<i>Ardea alba</i>	Fly over
Snowy egret	<i>Egretta thula</i>	Fly over
Turkey vulture	<i>Cathartes aura</i>	Fly over
Red-tailed hawk	<i>Buteo jamaicensis</i>	Fly over
Rock pigeon ( <i>Exotic</i> )	<i>Sterna fosteri</i>	Facility and laydown area
Mourning dove	<i>Streptopelia decaocto</i>	Facility and laydown area
Barn owl	<i>Tyto alba</i>	Facility
Anna's hummingbird	<i>Calypte anna</i>	Laydown area
Black phoebe	<i>Sayornis nigricans</i>	Facility and laydown area
California towhee	<i>Melospiza crissalis</i>	Facility and laydown area
Western scrub-jay	<i>Aphelocoma californica</i>	Facility and laydown area
American crow	<i>Corvus brachyrhynchos</i>	Facility and laydown area
Common raven	<i>Corvus corax</i>	Facility and laydown area
Tree swallow	<i>Tachycineta bicolor</i>	Facility and laydown area
Northern mockingbird	<i>Mimus polyglottos</i>	Facility and laydown area
European starling ( <i>Exotic</i> )	<i>Sturnus vulgaris</i>	Facility and laydown area
Song sparrow	<i>Melospiza melodia</i>	Facility and laydown area
White-crowned sparrow	<i>Zonotrichia leucophrys</i>	Facility and laydown area
Red-winged blackbird	<i>Agelaius phoeniceus</i>	Facility and laydown area
Brewer's blackbird	<i>Euphagus cyanocephalus</i>	Facility and laydown area
Western Meadowlark	<i>Sturnella neglecta</i>	Facility and laydown area
House finch	<i>Carpodacus mexicanus</i>	Facility and laydown area
<b>MAMMALS</b>		
California vole	<i>Microtus californicus</i>	Facility and laydown area
Botta's pocket gopher	<i>Thomomys bottae</i>	Facility and laydown area

## **Appendix B**

### **Representative Photographs**

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**#1.** A view of project site conditions at the southern portion of the LECEF site where the new cooling towers are being built. Photo was taken May 9, 2012.



**#2.** A view facing north from the southern boundary at the existing LECEF site where construction activities continue. Photo was taken May 9, 2012.



**#3.** A view of the empty nest found in one of the existing HRSGs just before crews removed it. Photo was taken from a man-lift on May 17, 2012.



**#4.** A view of the house finch nest with eggs located in a truck trailer parked in the temporary parking lot. Photo was taken on May 1, 2012.

**Appendix C**  
**Wildlife Observation Form**

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**CONDITION OF CERTIFICATION  
BIO-4**

**Los Esteros Critical Energy Facility, Phase 2  
Monthly Compliance Report #12  
May 2012**

BIO-4:

Number of persons who have received WEAP training during the reporting period:

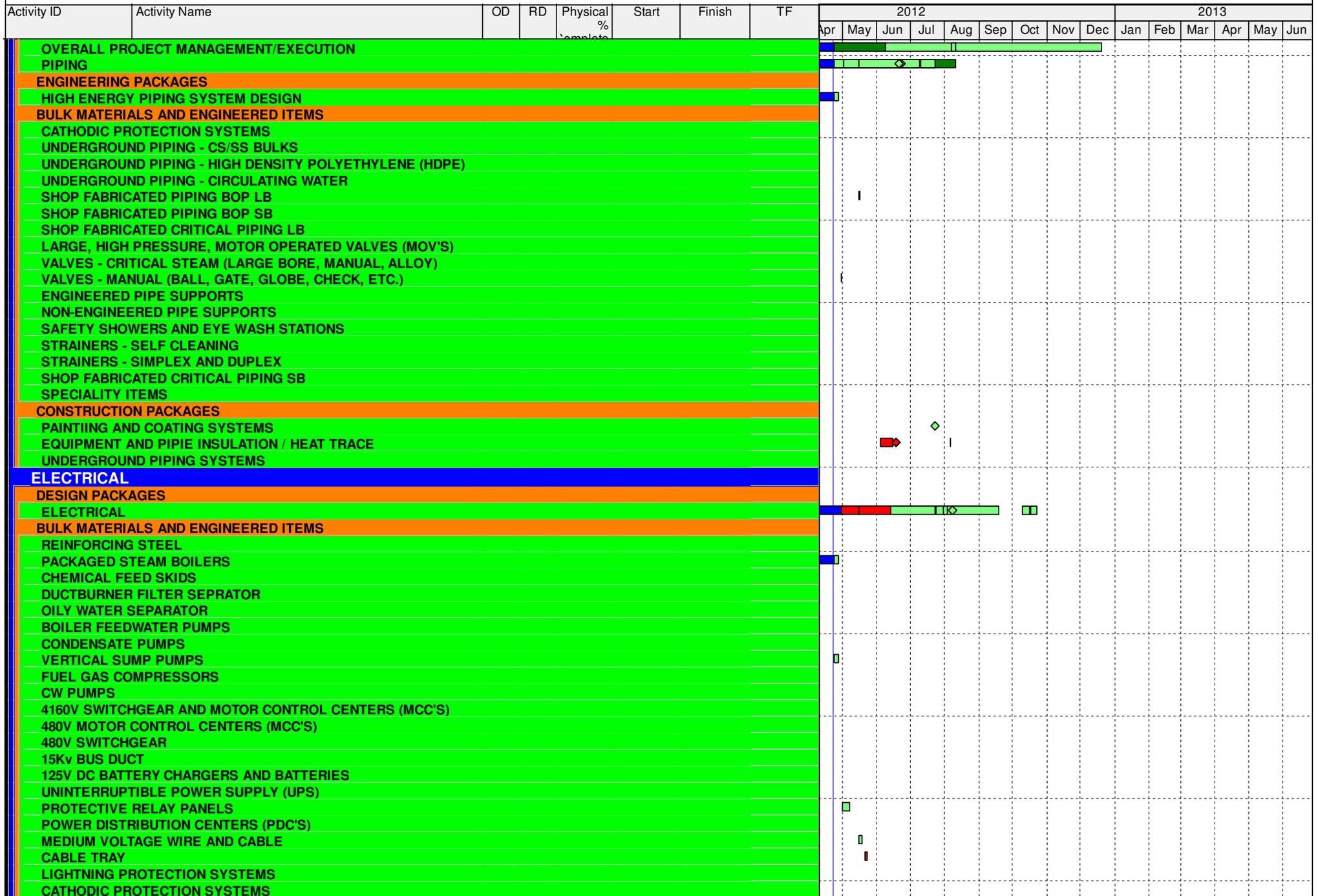
- ✓ 167
- ✓ Total to date = 830 (As of May 31, 2012)

**CONDITION OF CERTIFICATION  
CUL-2**

**Los Esteros Critical Energy Facility, Phase 2  
Monthly Compliance Report #12  
May 2012**

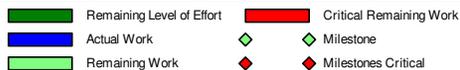
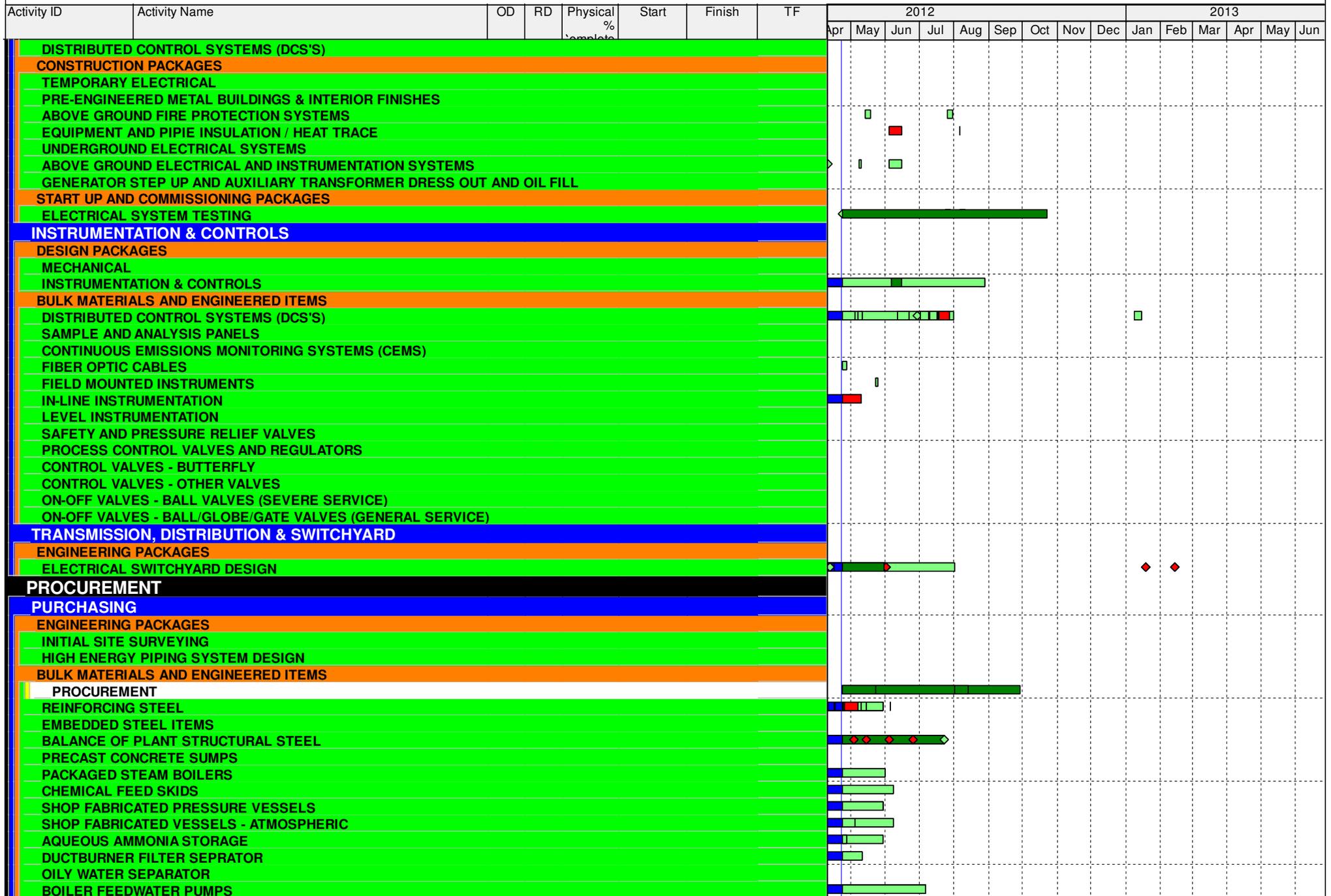






■ Remaining Level of Effort     ■ Critical Remaining Work  
■ Actual Work                     ◆ Milestone  
■ Remaining Work                   ◆ Milestones Critical

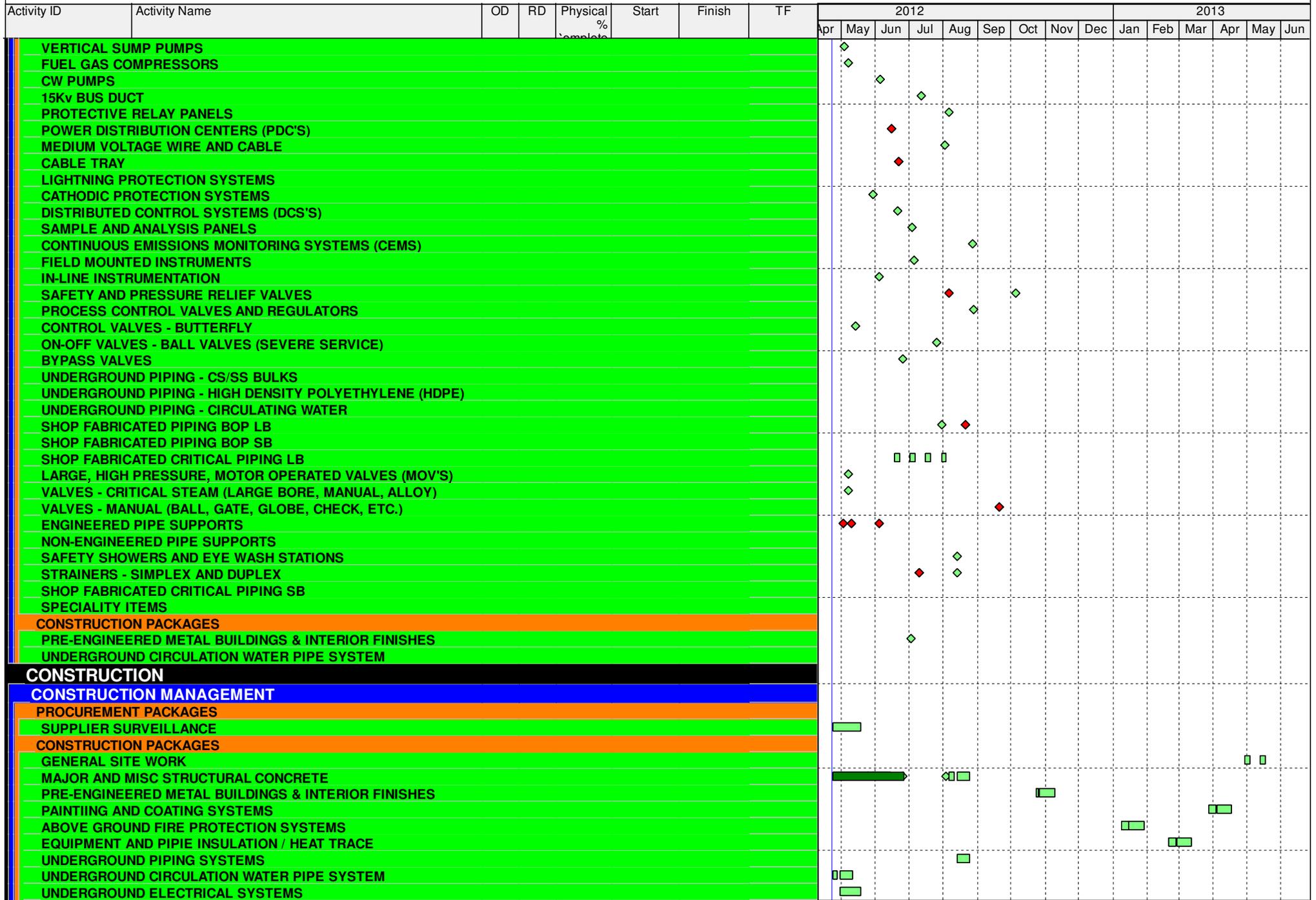
- DD 12-04-23







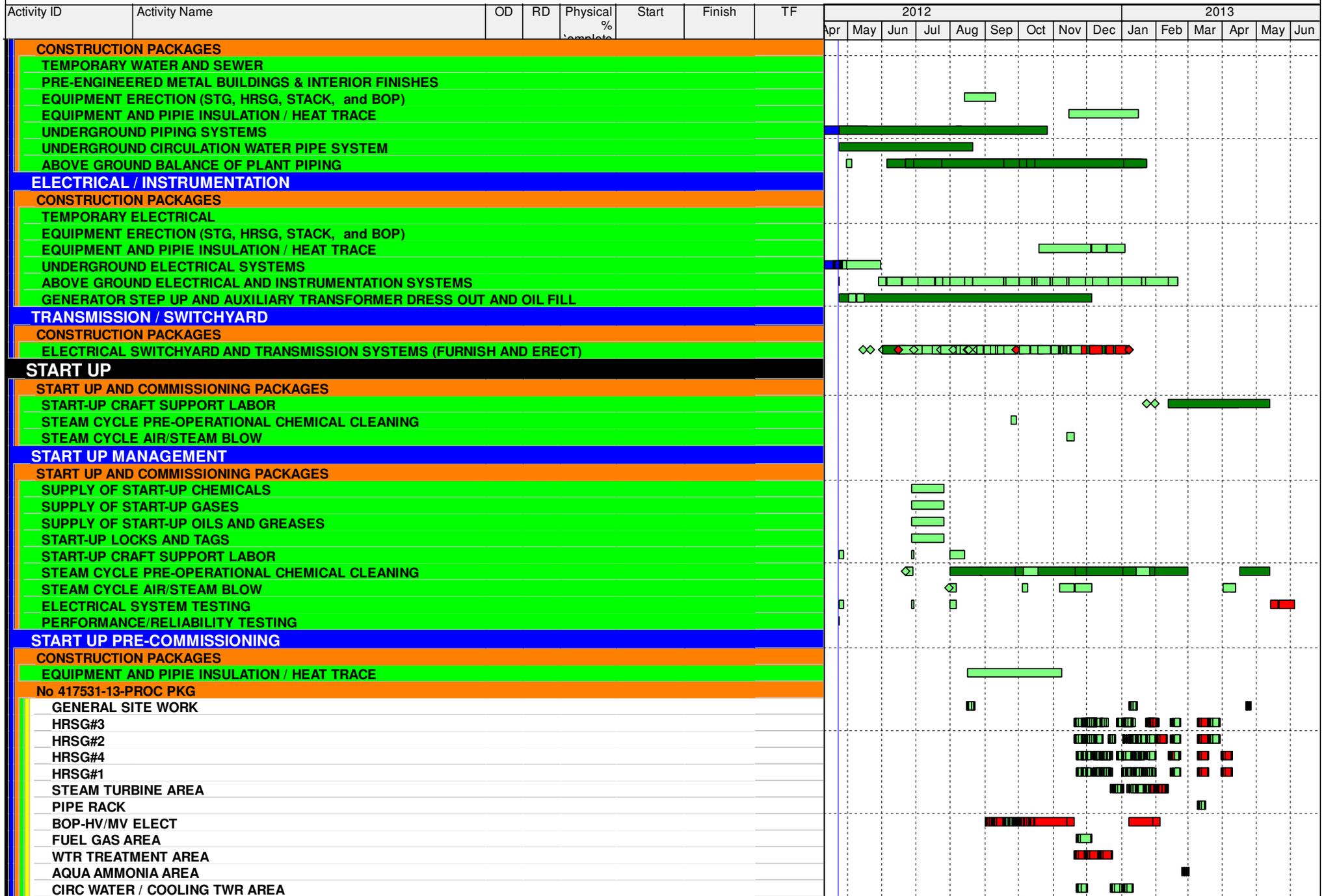
- DD 12-04-23



Remaining Level of Effort
  Critical Remaining Work  
 Actual Work
  Milestone  
 Remaining Work
  Milestones Critical



- DD 12-04-23







**CONDITION OF CERTIFICATION  
CUL-4**

**Los Esteros Critical Energy Facility, Phase 2  
Monthly Compliance Report #12  
May 2012**





**Los Esteros Critical Energy Facility, Phase 2**  
**WORKER AWARENESS ENVIRONMENTAL PROGRAM**  
**TRAINING SIGN-IN SHEET**  
*(Biology, Archaeology, & Paleontology)*

DATE: 5-23-12

**PLEASE NOTE:**

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Los Esteros Critical Energy Facility, Phase 2, and I agree to comply with all the environmental requirements presented.*

Name (print)	Name (signature)	Company/Role
Joseph Paul Little	<i>Joseph Paul Little</i>	AZCO, <sup>P.F.</sup> welder
Joe Gonzalez	<i>Joe Gonzalez</i>	AZCO <sup>PF</sup> welder
Javier Ochoa	<i>Javier Ochoa</i>	AZCO welder
Samuel Montiel	<i>Samuel Montiel</i>	Suran vegetables-Labor
SAM LIVING JR	<i>Sam Living Jr.</i>	HARDER
AUTAB HIGGINS	<i>A.B. Higgins</i>	AZCO, P.F. welder
GARY M. STEPHENSON	<i>G.M. Stephenson</i>	HARDER / PFW
Matthew H. Ray	<i>Matthew H. Ray</i>	Harder / PFW
FRED TURNER	<i>Fred Turner</i>	HARDER / PFW
CARLOSSANDOVAN	<i>Carlos Sandovan</i>	AZCO FITTER
ERIC QUESADA	<i>Eric Quesada</i>	O & V
Mark Miller	<i>Mark Miller</i>	D & V
S MICHAEL HARTER	<i>S.M. Harter</i>	HARDER
Sergio Figueroa	<i>Sergio Figueroa</i>	Harder
Tom Lennon	<i>Tom Lennon</i>	Harder
RYAN FREITAS	<i>Ryan Freitas</i>	AZCO
Rory McDonnell	<i>R.M. McDonnell</i>	Farwest
José Salcedo	<i>José Salcedo</i>	coyote
Craig Pangborn	<i>Craig Pangborn</i>	Harder/Fitter
Greg Eagle	<i>Greg Eagle</i>	Farwest
Kevin Morton	<i>Kevin Morton</i>	Farwest
Chris Potter	<i>Chris Potter</i>	Farwest
Frank Hernandez	<i>Frank Hernandez</i>	AZCO
Timothy J. Kluge	<i>Timothy J. Kluge</i>	CMT
M. LOMACH	<i>M. LOMACH</i>	AZCO



**Los Esteros Critical Energy Facility, Phase 2  
 WORKER AWARENESS ENVIRONMENTAL PROGRAM  
 TRAINING SIGN-IN SHEET**  
 (Biology, Archaeology, & Paleontology)

DATE: 5/21/12

**PLEASE NOTE:**

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Los Esteros Critical Energy Facility, Phase 2, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
Brent Baugness	Brent Baugness	Harper Boilermaker
Dimitri Lobing	[Signature]	AZCO
JUAN J. MARTINEZ	[Signature]	AZCO
Roland Lumapas	[Signature]	HARDER
Bery Caldwell	[Signature]	"
RICK CEGLIO	[Signature]	HARPER
ESTEBAN Rodriguez	[Signature]	HARDER
Branden Gray	[Signature]	Harder
ADAM SANDOVAL	[Signature]	HARDER
Terrence Welfiva	[Signature]	AZCO
Adam Lechmann	[Signature]	TEAM
Tobias Graham	[Signature]	Team
Yazze Grayhat	Yazze Grayhat	AZCO
Steven Johnston	[Signature]	Harder
Guy Bares	[Signature]	AZCO
Jared Wheatley	[Signature]	LG
Mike Luther	[Signature]	Mistras
Michael Pinedo	[Signature]	Mistras
MIKE MARTINEZ	[Signature]	AZCO
Fernando Arreguin	[Signature]	HARDER
Keith Chastain	[Signature]	AZCO
DELEK GUTHRIE	[Signature]	MISTRAS
Gregory Capanis	[Signature]	AZCO
Brian Robertson	[Signature]	MISTRAS



**Los Esteros Critical Energy Facility, Phase 2  
 WORKER AWARENESS ENVIRONMENTAL PROGRAM  
 TRAINING SIGN-IN SHEET**  
 (Biology, Archaeology, & Paleontology)

DATE: 5/16/12

**PLEASE NOTE:**

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Los Esteros Critical Energy Facility, Phase 2, and I agree to comply with all the environmental requirements presented.*

Name (print)	Name (signature)	Company/Role
NESTOR ANDAYA	<i>Nestor Andaya</i>	CH2M - SC
DE LI ZHANG	<i>De Li Zhang</i>	AZCO
Bill Young	<i>Bill Young</i>	AZCO
PABLO LERMA	<i>Pablo Lerma</i>	AZCO
FAUSTO ABARCA	<i>Fausto Abarca</i>	OVERAA CONST.
GREG BLAKE	<i>Greg Blake</i>	HARDER
JAMES NOWLIN	<i>James Nowlin</i>	AZCO
Taree Newman	<i>Taree Newman</i>	Harder
Michael Buckley	<i>Michael Buckley</i>	HARDER
José Ramirez	<i>José Ramirez</i>	AZCO
LARRY LONG	<i>Larry Long</i>	HARDER
RASHO RASHEV	<i>Rasho Rashev</i>	HARDER
Heliverto Pina	<i>Heliverto Pina</i>	Harder
Curt Schauf	<i>Curt Schauf</i>	Harder
José Francisco	<i>José Francisco</i>	AZCO
ROBERT WINKEL	<i>Robert Winkel</i>	HARDER
JEFF FRATELLO	<i>Jeff Fratello</i>	HARDER



**Los Esteros Critical Energy Facility, Phase 2  
 WORKER AWARENESS ENVIRONMENTAL PROGRAM  
 TRAINING SIGN-IN SHEET**  
 (Biology, Archaeology, & Paleontology)

DATE: 5-9-12

**PLEASE NOTE:**

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Los Esteros Critical Energy Facility, Phase 2, and I agree to comply with all the environmental requirements presented.*

Name (print)	Name (signature)	Company/Role
Augustin Howay	<i>[Signature]</i>	Haerzer
Lloyd Morris	<i>[Signature]</i>	Subdynamic
Frank Nockidoneh	<i>[Signature]</i>	Harder
Francisco Jarez	<i>[Signature]</i>	Div
Berito Lucio	Berito Lucio	Brand
ANDREW NUSSBAUM	<i>[Signature]</i>	AZCO
JONATH TOWE	<i>[Signature]</i>	AZCO
MANUEL A. CABRETA	MANUEL A. CABRETA	Brand
Juan R Castillo	Juan R Castillo	BRAND
Jose Quintero	Jose Quintero	Brand
BRET MACROBY	<i>[Signature]</i>	MAXIMA CHANGE
TONY NOWAK	<i>[Signature]</i>	EPS
BRAD ELLIOTT	<i>[Signature]</i>	EPS
JOHN KOPP	John Kopp	TTR
DAVID MEDRANO	<i>[Signature]</i>	TTR
TONY AGUILAR	<i>[Signature]</i>	TTR

0700

10<sup>00</sup> AM



**Los Esteros Critical Energy Facility, Phase 2**  
**WORKER AWARENESS ENVIRONMENTAL PROGRAM**  
**TRAINING SIGN-IN SHEET**  
*(Biology, Archaeology, & Paleontology)*

DATE: 5.7.12

**PLEASE NOTE:**

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Los Esteros Critical Energy Facility, Phase 2, and I agree to comply with all the environmental requirements presented.*

Name (print)	Name (signature)	Company/Role
MUSU Bennett	Musu Bennett	
DANIEL DRISKILL	Daniel Driskill	PF
Eric J Ewoldsen	Eric J Ewoldsen	CP Technician
Mike Burch	Mike Burch	AZCO
DAVID BARRUS	David Barrus	AZCO
Ferry Griffith	Ferry Griffith	AZCO
JOSEPH ACKIE	Joseph Ackie	AZCO
JOSE AGUIAR	Jose Aguilar	AZCO
RAY ESPARZA	Ray Esparza	HARDER
Richard Groer	Richard Groer	Harder
David Andres	David Andres	Harder
JOHN HAENNY	John Haenny	HARDER
Thomas Moffitt	Tom Moffitt	AZCO
Jeff Coe	Jeff Coe	AZCO
BROOKS NELSON	Brooks Nelson	HARDER
Herbert Biskup	Herbert Biskup	HARDER
IRMA SERENO	Irma R. Sereno	Harder
RITA REC ZAUBER	RITA REC ZAUBER	HARDER

**Los Esteros Critical Energy Facility, Phase 2  
 WORKER AWARENESS ENVIRONMENTAL PROGRAM  
 TRAINING SIGN-IN SHEET**  
 (Biology, Archaeology, & Paleontology)

DATE: 5-2-12

**PLEASE NOTE:**

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Los Esteros Critical Energy Facility, Phase 2, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
STEVE FRANK	<i>[Signature]</i>	JORGENSEN / SPRK FILTER
Matt Ryan	mat Ryan	A2CO
Michael Howard	Michael Howard	Harder
Charles Gish	Charles Gish	Jorgensen / SPRK FILTER
LOU MATTHEWS	Joe Matthews	HARDER
Robert Fowler	Robt Fowler	HARDER
Barry Hovef	Barry Hovef	Harder
Bobby Detton	<i>[Signature]</i>	Harder
Eugene Reynolds	Eugene Reynolds	Harder
Bill Clary	Bill Clary	Harder
Milton Belshak	Milton Belshak	WOOD GROUP MILWAUKEE #7
Tim Tones	<i>[Signature]</i>	WOOD GROUP
DARRELL BARNARD	<i>[Signature]</i>	Harder
DAVID AVIND	David Avind	A2CO / Foreman
Jess Valdez	Jess Valdez	A2CO / Steward
Tom Rafferty	<i>[Signature]</i>	HARDER
MICHAEL ECKER	M. Ecker	HARDER
Joe King-Gardner	Joe King Gardner	Harder
Steven Jackson	Steve Jackson	Harder
BARRY WEISSBURG	Barry Weissburg	Harder
DAVE BERGER	Dave Berger	HARDER
Bob Rube	Bob Rube	Harder
Mark Bittendorf	Mark Bittendorf	Harder
Paul Scethen	Paul Scethen	Harder
Rainer Knoop	Rainer Knoop	Harder



**CONDITION OF CERTIFICATION  
CUL-5**

**Los Esteros Critical Energy Facility, Phase 2  
Monthly Compliance Report #12  
May 2012**

## **Monthly Report of Cultural Resources Monitoring Activities for the Los Esteros Critical Energy Facility Phase 2 From May 1, 2012 through May 31, 2012; COC CUL-6**

**Prepared For:** Sarah Madams/SAC  
**Prepared By:** Clint Helton/CRS  
**Reporting For Period:** May 1 to May 31

This report covers cultural resources monitoring activities at the LECEF from May 1 through May 31, as requested by Rod Jones of Calpine, and as per Condition of Certification CUL-6.

### **Personnel Active in Cultural Monitoring This Period**

Henry Davis participated as CRM for this month.

### **Monitoring and Associated Activities This Period**

Monitoring of ground disturbance included the start and completion of a foundation approximately 40X60X4 feet deep north of the new transformer structure, an exploratory pit approximately 10X10X6 feet deep in the proposed warehouse footprint, touch up excavation on foundation east of new transformer, modification and grade change of sanitary sewer line north of operations office (to 7 feet), Demo and excavation of a paved area east of cooling tower chemical station, mini ex pot holing in several to establish grounding cable tie ends, a trench for fire control pipe, a 10X10x6 feet deep pit to expose to facilitate pipe repair, and hand potholing in many areas to locate existing utilities. Native sub-soils were encountered during some of these excavations. The sanitary sewer line was 6 to seven feet deep and sloped 4 to 1, exposing a large area. These sub-soils were usually at a depth of 4 to 7 feet from ground surface. The native soil is characterized as black silty clay overlaying light gray to yellow brown silty clays that may be intact depending on pre-fill topography.

### **Cultural Resources Discoveries This Period**

No new cultural resources discoveries were made during this period.

### **Anticipated Changes in the Next Period**

While activities are beginning to wind down, monitorable excavation activities will continue inside the facility. The CRM will remain on site to continue monitoring and to respond to discoveries if they occur.

### **Comments, Issues or Concerns**

None.

**CONDITION OF CERTIFICATION  
PAL-4**

**Los Esteros Critical Energy Facility, Phase 2  
Monthly Compliance Report #12  
May 2012**

**Report of Paleontological Resources Compliance Activities for  
Los Esteros Critical Energy Facility Phase 2- May 2012  
(COC PAL-4)**

**Prepared For:** Sarah Madams/SAC

**Prepared By:** Levi Pratt, Staff Paleontologist/SAC  
Geof Spaulding, PRS/LAS

**Date:** June 1, 2012

This report covers paleontological resources compliance activities at the LECEF for the period noted above, as required by Conditions of Certification PAL-4.

**Training Conducted This Month**

Construction personnel continue to receive the CEC approved Paleontological Resources Awareness Module of the Worker Environmental Awareness Program (WEAP) prior to working on this project (COC PAL-3).

**Personnel On-Call for Paleontological Monitoring This Period**

Jaspal Saini, Paleontological Resources Monitor (PRM)  
Dr. Geof Spaulding, Project Paleontological Resources Specialist (PRS)

**Monitoring and Associated Activities This Period**

The *Supplement and Amendment to the PRMMP for the Los Esteros Critical Energy Facility* (May 2011) provides an updated paleontological sensitivity assessment of the project area, subsequent to the monitoring activities and additional paleontological studies that accompanied Phase 1. It concludes that no additional monitoring for paleontological resources is warranted for this project.

As a result of the low paleontological resources sensitivity of the project site, no paleontological resources monitoring has been conducted. The paleontological resources awareness module of WEAP will continue to be administered to all construction personnel before starting work at the site.

**Anticipated Changes in the Next Period**

No changes are anticipated at this time.

**Comments, Issues or Concerns**

None.

**CONDITION OF CERTIFICATION  
SOCIO-1**

**Los Esteros Critical Energy Facility, Phase 2  
Monthly Compliance Report #12  
May 2012**

## ACTIVITIES REPORT FOR SOCIO -1

Work contracted to date utilizing Labor from the Bay Area:

- **M.J. Electric** Underground Duct Bank
- **TELECOM/McClure Electric** Trailer City electrical and communication installation
- **MISSION CITY REBAR INC** Reinforcing Steel
- **Modular Space Corporation** Leasing Of Temporary Office And Craft Trailers
- **HOMESITE SERVICES INC** Leasing of Construction Waste Dumpsters
- **HANSON & FITCH INC** Leasing of Temporary Toilets and Hand Wash Stations
- **KIER & WRIGHT CIVIL ENGINEERS AND SURVEYORS, INC.**  
Construction  
Survey
- **TRC ENGINEERS INC** Construction Materials Inspections and Testing
- **JAN PRO COMMERCIAL CLEANING** Temporary Facilities (Trailers)  
Cleaning
- **TRC ENGINEERS INC.** Hazardous Soils Testing
- **Central Concrete Supply** Ready Mix Concrete
- **C. Overaa & Co.** General Site Grading and Foundations
- **F-3 Surveyor**
- **CASEY-FOGLI** Cement Finishing
- **CF&T** Concrete Pumping
- **DURAN & VENABLES** for all the excavating, backfilling
- **Harder Mechanical** CW Pipe Installation and HRSG Erection

- **North American Dismantling** Existing HRSG demolition
- **AZCO** Structural steel, balance of piping
- **Hanson CW Pipe** Mfg'd in Illinois because only supplier that could make Project Schedule delivery dates on site
- **To Be Awarded** Temporary Fencing  
No additional awards are currently forecasted

- **North American Dismantling** – Existing HRSG demolition
- **Hanson CW Pipe** Mfg'd in Illinois because only supplier that could make Project Schedule delivery dates on site.
- **To Be Awarded** Temporary Fencing  
No additional awards are currently forecasted

LECEF SOCIO-1

Date: May 31, 2012

EQUIPMENT / SERVICE DESCRIPTION	MANUFACTURER	LOCATION	COMMENTS
Field Office Trailer Furniture	RD Office Solution	Burlingame, CA	
Temporary Warehouse Facilities	Big Top Manufacturing	Perry, FL	
Picnic Table for Craft Tent	ParkNPool Corporation	Lexington, VA	
Reinforcing Steel Package	Mission City Rebar	Santa Clara, CA	
LECEF CT & STG Embeds	G2 Metal Fab	Livermore, CA	
BOP Structural Steel	Nu Steel Fabricators	Childersburg, AL	Parent Co: Kern Steel, Bakersfield, CA
Sanitary Lift Stations	Triple D	Waco, TX	Only proposal received
Packaged Electric Steam Boiler	Precision Mfg. LLC	Morristown, TN	CH2M HILL supplier on multiple projects
Chemical Feed Skid	Reetex LTD	Hockley, TX	On Calpine AML
HRSB Blowdown Tank/Steam Drain & Ammonia Tanks	CH Murphy / Clark-Ullman	Portland, OR	On Calpine AML
Fuel Gas Conditioning Skid	Peerless Mfg. Co.	Dallas, TX	On Calpine AML
Turbine By-Pass & Spray Water Attemperation Valves	Control Components Inc.	Rancho Santa Margarita, CA	
Oily Water Separator	Highland Tank	Stoystown, PA	On Calpine AML
Boiler Feedwater Pumps	Flowserve	Madrid, Spain	On Calpine AML
Closed Cooling Tower Heat Exchanges	Alfa Laval	Richmond, VA	On Calpine AML
Condensate Pumps	Flowserve	Taneytown, MD	On Calpine AML
Vertical Sump Pump	Goulds Pumps	Seneca Falls, NY	On Calpine AML
Duplex Submersible Sump Pump	Roberts & Brune Company	Redwood City, CA	
Fuel Gas Compressor	UE Compression	Oklahoma City, OK	On Calpine AML
Circulating Water Pumps	Flowserve	ECATEPEC, ESTADO DE MEXICO	On Calpine AML
Silencers	Penn Separator Corporation	Brookville, PA	On Calpine AML
480V Switchgear Replacement Parts	Powell Electrical Systems, Inc.	Houston, TX	On Calpine AML
15Kv Bus Duct	Powell / Delta Unibus	Northlake, IL	On Calpine AML
Power Distribution Center	Eaton Corporation	Moontownship, PA	On Calpine AML
Cathodic Protection	Mesa Products	Tulsa, OK	On Calpine AML
SWYD – HV Circuit Breakers	Siemens Energy, Inc.	Wendell, NC	On Calpine AML
SWYD - Minor Materials	Dis-Tran Packaged Substations, LLC	Pineville, LA	CH2M HILL supplier on multiple projects
Secondary Unit Substation	GexPro	Denver, CO	On Calpine AML
Distributed Control System	Emerson Process Mgmt.	Pittsburg, PA	On Calpine AML
Sample / Analysis Panel	Sentry Equipment Corp	OCONOMOWOC, WI	On Calpine AML
Continuous Emissions Monitoring	Cisco	Englewood, CO	On Calpine AML
Pressure Transmitters	Emerson / Rosemount	Chanhassen, MN	On Calpine AML
Pressure Gauges	Control Equipment Sales	Marietta, GA	Authorized Rep for AML
Level Switches	Applied Control Equipment	Centennial, CO	Authorized Rep for AML
Level Gauges & Instruments	Emerson / Rosemount and Applied Control	Pittsburgh, PA / Centennial, CO	On Calpine AML
Level Gauges & Instruments	Rosemount / Emerson	Chanhassen, MN	On Calpine AML
Guided Rave Radar Level Transmitter	Applied Control Equipment	Centennial, CO	Authorized Rep for AML
Test Thermowells	Applied Control Equipment	Centennial, CO	Authorized Rep for AML
Temperature Elements w/Thermowells	Sandelius	Houston, TX	On Calpine AML
Thermometers w/assoc. Thermowells	Applied Control Equipment	Centennial, CO	Authorized Rep for AML
Flow Nozzles, Elements & Orifices	Fluidic Techniques	Mansfield, TX	On Calpine AML
Pressure Relief Valves	Bay Valve Service	Seattle, WA	On Calpine AML
Modulating Globe Valves	Control Southern Inc.	Suwanee, GA	Authorized Rep for AML
Control Valves Butterfly	Control Southern Inc.	Suwanee, GA	Authorized Rep for AML
On-Off Valves	Severe Service Spec.	Trussville, AL	Authorized Rep for AML
Soft Seat Ball Valves	Applied Control Equipment	Centennial, CO	Authorized Rep for AML
Desuperheaters	Control Southern Inc.	Suwanee, GA	Authorized Rep for AML
Weather Station	Novalynx Corp	Auburn, CA	
Self Controlled Regulators	Control Southern Inc.	Suwanee, GA	Authorized Rep for AML

## LECEF SOCIO-1

Date: May 31, 2012

EQUIPMENT / SERVICE DESCRIPTION	MANUFACTURER	LOCATION	COMMENTS
Circulating Water Pipe	Hanson Pipe & Precast	Grand Prairie, TX	Only supplier able to meet delivery
UG Pipe - CS/SS	Bakersfield Pipe & Supply	Bakersfield, CA	
UG Pipe - HDPE	ISCO Industries, LLC	Fayetteville, GA	Authorized Rep for AML
LB Critical Pipe -Fabrication	AZCO, Inc.	Kenosha, WI	On Calpine AML
LB Critical Pipe - Supply	Edgen Murray Corp.	Baton Rouge, LA	On Calpine AML
AWWA Butterfly Valves	Bray International Inc.	Houston, TX	On Calpine AML
Critical Valves	Flowserve US Inc.	Raleigh, NC	On Calpine AML
Metal Seated Valves	Severe Service Spec.	Trussville, AL	Authorized Rep for AML
Manual Valves	Sunbelt Supply Co.	Houston, TX	Authorized Rep for AML
Manual Valves	Ferguson Power Group	Louisville, KY	Authorized Rep for AML/National Agreement w/CH2M HILL
Manual Valves	Valve Products Inc.	Tucker, GA	Authorized Rep for AML
Air Release / Air Vacuum Valves	Control Equipment Sales	Marietta, GA	Authorized Rep for AML
Engineered Pipe Supports	Liseqa, Inc.	Kodak, TN	CH2M HILL supplier on multiple projects
Safety Showers & Eye Wash Stations	Ferguson	Roseville, MN	On Calpine AML
Piping Specialties - Steam Traps	Associated Flow Controls	San Ramon, CA	
Strainer - Simplex/Duplex	LC Associates	Spring, TX	On Calpine AML
Drain Hubs & Clean Outs	Ferguson	Roseville, MN	On Calpine AML
Temporary Trailer Leasing	Modspace	Berwyn, PA	National Agreement w/CH2M HILL, supplied by local office
Bottled Water	Big Bear Distributing	Freedom, CA	
Security Services	The Landshire Group	Newark, CA	
Construction Material Inspection & Testing	Signet Testing Labs	Hayward, CA	
Dust Control / Water Truck	Broom Service Inc.	Cupertino, CA	
Sweeper Truck	Broom Service Inc.	Cupertino, CA	

**CONDITION OF CERTIFICATION  
TRANS-2**

**Los Esteros Critical Energy Facility, Phase 2  
Monthly Compliance Report #12  
May 2012**

## **TRANS-2**

See separate attachment for TRANS 2, which contains transportation and heavy haul permits.

**CONDITION OF CERTIFICATION  
TRANS-4**

**Los Esteros Critical Energy Facility, Phase 2  
Monthly Compliance Report #12  
May 2012**

#### **Work Done to Support TRANS-4:**

- Craft parking lot completed in late June allowing construction workers to access the project from the 13-acre lay down area
- Additional parking created to allow for increase in craft on-site
- Construction workers are using McCarthy Road/Ranch Drive intersection to travel to and from the project site
- Gravel roadway placed to support construction worker vehicle traffic entering the project site K-rails installed to protect workers walking from the parking area to the project site Construction signage erected on Thomas Foon Chew Way
- Safety & SWPPP fencing installed at entrance gate and along gravel roadway near Highway 237 Bikeway path
- Handicap parking space signs and project site plan sign (completed, but not part of Energy Commission conditions of certifications for the project)
- Lighting posts placed in craft parking lot per CBO approval
- Lights installed in December 2011 below K-rails to illuminate walk path leading to construction entrance

**These documents were submitted during this report period.**

- May 1: STRUC-1, CBO-237 Demin System Water Treatment Foundation: One document was sent to the CBO.
- May 1: MECH-1, CBO-315 Aboveground Piping: 118 drawings were sent to the CBO.
- May 1: GEN-5, CBO-002 Responsible Engineers: Two documents were sent to the CBO.
- May 2: STRUC-1, CBO-217 Misc. Foundation: One drawing was sent to the CBO.
- May 2: STRUC-1, CBO-247 STG PDC Foundation: One drawing was sent to the CBO.
- May 2: ELEC-1, CBO-902 Temporary Trailer Utilities: One drawing was sent to the CBO.
- May 2: MECH-2, CBO-387 (ASME) Alfa Laval-Plate Heat Exchanger (Equipment Type M30-FD): One document was sent to the CBO.
- May 2: MECH-1, CBO-315 Aboveground Piping: 93 drawings were sent to the CBO.
- May 3: MECH-1, CBO-315 Aboveground Piping: 42 drawings were sent to the CBO.
- May 3: MECH-1, CBO-302 P&IDs: Two drawings were sent to the CBO.
- May 3: STRUC-1, CBO-239 Lube Oil Containment Foundation: DCN-069 was sent to the CBO.
- May 3: GEN-1, CBO-051 Harder Weld Procedures: 14 documents were sent to the CBO.
- May 3: MECH-1, CBO-379 UE Compression-Fuel Gas Compressor: One document was sent to the CBO.
- May 4: ELEC-1, CBO-456 Electrical Location Plans: Five drawings were sent to the CBO.
- May 4: ELEC-1, CBO-454 Cable Trays: Three drawings were sent to the CBO.
- May 4: ELEC-1, CBO-455 Lighting Plans: Four drawings were sent to the CBO.
- May 4: STRUC-1, CBO-229 Vogt Module Box Assembly: One document was sent to the CBO.
- May 7: STRUC-1, CBO-240 Aux Boiler Foundations: Response to CBO comments was sent to the CBO.
- May 7: MECH-1, CBO-304 UG Piping: One drawing was sent to the CBO.
- May 7: MECH-1, CBO-315 Aboveground Piping: 64 drawings were sent to the CBO.
- May 8: STRUC-1, CBO-203 STG Foundation & Calculations: DCN-070 was sent to the CBO.
- May 8: MECH-1, CBO-315 Aboveground Piping: 33 drawings were sent to the CBO.
- May 8: MECH-1, CBO-315 Aboveground Piping: 42 drawings were sent to the CBO.
- May 8: STRUC-1, CBO-203 STG Foundation & Calculations: DCN-070 was sent to the CBO.
- May 8: STRUC-1, CBO-220 Pipe Rack Foundations: DCN-071 was sent to the CBO.
- May 8: ELEC-1, CBO-401 Grounding and Grounding Plans: Three drawings were sent to the CBO.
- May 9: STRUC-1, CBO-236 ISO Phase Bus Supports and Excitation Transformer Foundation Plan: Two documents and response to CBO comments were sent to the CBO.
- May 9: STRUC-1, CBO-268 Misc. Access Platforms: Two documents were sent to the CBO.
- May 9: STRUC-1, CBO-262 BFP Pipe Rack Framing: Four documents and response to CBO comments were sent to the CBO.
- May 9: MECH-1, CBO-317 Pipe Supports: Two documents were sent to the CBO.

- May 9: MECH-1, CBO-302 P&ID's: Five drawings were sent to the CBO.
- May 10: GEN-5, CBO-002 Responsible Engineers: Two documents were sent to the CBO.
- May 10: MECH-2, CBO-387 ASME Vessels: One document was sent to the CBO.
- May 11: STRUC-1, CBO-257 Structural Steel Fabricator Calculations: One document was sent to the CBO.
- May 11: STRUC-1, CBO-901 Temporary Trailers & Decking: One document was sent to the CBO.
- May 11: STRUC-1, CBO-256 STG Enclosure: One document was sent to the CBO.
- May 11: GEN-2, CBO-952 HRSG Crane Plan: Two documents were sent to the CBO.
- May 11: STRUC-1, CBO-237 Demin System Water Treatment Foundation: One document was sent to the CBO.
- May 12: STRUC-1, CBO-247 STG PDC Foundation: DCN-072 was sent to the CBO.
- May 14: GEN-1, CBO-051 Harder Weld Procedures: Two documents were sent to the CBO.
- May 14: STRUC-1, CBO-236 ISO Phase Bus Supports and Excitation Transformer Foundation Plan: DCN-073 was sent to the CBO.
- May 14: ELEC-1, CBO-951 Construction Lighting: One drawing was sent to the CBO.
- May 14: STRUC-1, CBO-268 Misc. Access Platforms: One drawing was sent to the CBO.
- May 14: STRUC-1, CBO-231 Vogt HRSG Platforms: DCN-074 was sent to the CBO.
- May 15: STRUC-1, CBO-217 Misc. Foundations: Two documents were sent to the CBO.
- May 15: MECH-1, CBO-315 Aboveground Piping: 43 drawings were sent to the CBO.
- May 15: STRUC-1, CBO-217 Misc. Foundations: Two documents were sent to the CBO.
- May 15: MECH-1, CBO-320 AZCO Critical Piping Fabrication & Installation: One document was sent to the CBO.
- May 16: STRUC-1, CBO-257 Structural Steel Fabricator Calculations: One document and response to CBO comments were sent to the CBO.
- May 16: ELEC-1, CBO-950 Construction Power: Five drawings were sent to the CBO.
- May 16: MECH-1, CBO-304 UG Piping: Two drawings were sent to the CBO.
- May 16: STRUC-1, CBO-257 Structural Steel Fabricator Calculations: 53 documents were sent to the CBO.
- May 17: MECH-1, CBO-315 Aboveground Piping: 11 drawings were sent to the CBO.
- May 17: MECH-1, CBO-317 Pipe Supports: One drawing was sent to the CBO.
- May 18: GEN-6, CBO-052 Special Inspectors: Five documents were sent to the CBO.
- May 18: MECH-1, CBO-321 Vogt Pipe Supports: Two documents were sent to the CBO.
- May 18: STRUC-1, CBO-205 Cooling Tower Depot: Two documents were sent to the CBO.
- May 18: GEN-1, CBO-051 Harder Weld Procedures: One document was sent to the CBO.
- May 18: GEN-1, CBO-054 Welding Procedures and Certs: 14 documents were sent to the CBO.
- May 19: MECH-1, CBO-315 Aboveground Piping: 60 drawings were sent to the CBO.
- May 20: TSE-5, CBO-505 Switchyard Plan, GA and Elevations: One drawing was sent to the CBO.

- May 20: TSE-5, CBO-506 Underground Ductbank: Five drawings and response to CBO comments were sent to the CBO.
- May 20: MECH-1, CBO-315 Aboveground Piping: 27 drawings were sent to the CBO.
- May 22: GEN-5, CBO-053 RDE Log: One document was sent to the CBO.
- May 22: GEN-5, CBO-002 Responsible Engineers: Two documents were sent to the CBO.
- May 22: GEN-5, CBO-053 RDE Log: One document was sent to the CBO.
- May 22: GEN-5, CBO-002 Responsible Design Engineers: Two documents were sent to the CBO.
- May 22: STRUC-1, CBO-202 HRSG Foundation & Calculations Statement of Special Inspection: One document was sent to the CBO.
- May 22: ELEC-1, CBO-401 Grounding and Grounding Plans: One drawing was sent to the CBO.
- May 22: ELEC-1, CBO-451 UG Duct Banks: Two drawings were sent to the CBO.
- May 22: STRUC-1, CBO-251 Existing Pipe Rack Steel: One drawing was sent to the CBO.
- May 22: MECH-1, CBO-315 Aboveground Piping: 32 drawings were sent to the CBO.
- May 23: STRUC-1, CBO-206 Standard Notes and Details: One drawing was sent to the CBO.
- May 23: MECH-1, CBO-315 Aboveground Piping: 76 drawings were sent to the CBO.
- May 23: STRUC-1, CBO-268 Misc. Access Platforms: One drawing was sent to the CBO.
- May 23: MECH-1, CBO-302 P&ID's: 18 drawings were sent to the CBO.
- May 23: MECH-1, CBO-380 PFA Electric Boiler CBO Invite to Precision Boiler: 10 documents were sent to the CBO.
- May 23: STRUC-1, CBO-217 Misc. Foundations: Two drawings were sent to the CBO.
- May 24: MECH-1, CBO-315 Aboveground Piping: Three drawings were sent to the CBO.
- May 25: GEN-1, CBO-051 Harder Weld Procedures: Six documents were sent to the CBO.
- May 25: GEN-1, CBO-054 Welding Procedures and Certs: Six documents were sent to the CBO.
- May 25: STRUC-1, CBO-217 Misc. Foundations: DCN-075 was sent to the CBO.
- May 25: MECH-1, CBO-317 Pipe Supports: Three documents were sent to the CBO.
- May 25: STRUC-1, CBO-257 Structural Steel Fabricator Calculations: One document was sent to the CBO.
- May 25: ELEC-1, CBO-451 UG Duct Banks: Three drawings were sent to the CBO.
- May 25: GEN-2, CBO-952 HRSG Crane Plan: Four documents were sent to the CBO.
- May 24: MECH-1, CBO-315 Aboveground Piping: Eight drawings were sent to the CBO.
- May 25: ELEC-1, CBO-453 PFA STG PDC: One document was sent to the CBO.
- May 29: STRUC-1, CBO-217 Misc. Foundations: One drawing was sent to the CBO.
- May 29: ELEC-1, CBO-401 Grounding and Grounding Plans: Three drawings were sent to the CBO.
- May 29: TSE-5, CBO-503 Switchyard AC Schematics: One drawing and response to CBO comments were sent to the CBO.
- May 29: GEN-2, CBO-051 Structural Specifications: One document was sent to the CBO.
- May 29: STRUC-1, CBO-220 Pipe Rack Foundations: DCN-076 was sent to the CBO.

- May 30: MECH-1, CBO-315 Aboveground Piping: 27 drawings were sent to the CBO.
- May 30: TSE-5, CBO-507 Grounding Plans: One drawing and response to CBO comments were sent to the CBO.
- May 30: MECH-1, CBO-315 Aboveground Piping: 59 drawings were sent to the CBO.
- May 31: STRUC-1, CBO-236 ISO Phase Bus Supports & Excitation Transformer Foundation Plan: DCN-077 was sent to the CBO on 5/31/12.

**These documents were received during this report period.**

- May 3: STRUC-1, CBO-239 Lube Oil Containment Foundation: Approved disposition received.
- May 3: ELEC-1, CBO-902 Temporary Trailer Utilities: Approved disposition received.
- May 3: TSE-1, CBO-245 Switchyard Structural Foundations: Approved disposition received.
- May 3: STRUC-1, CBO-212 Pad Support Arrangement & Calculations: Approved disposition received.
- May 4: MECH-1, CBO-311 Piping Items: Information only disposition received.
- May 4: MECH-1, CBO-310 Piping Line List: Information only disposition received for DCN-067.
- May 4: GEN-5, CBO-002 Responsible Engineers: Approved disposition received.
- May 4: GEN-2, CBO-051 Mechanical Specifications: Approved disposition received.
- May 4: STRUC-1, CBO-217 Misc. Foundations: Information only disposition received for DCN-068.
- May 4: MECH-1, CBO-316 Vogt P&ID: Approved disposition received.
- May 4: GEN-6, CBO-052 Special Inspectors: Information only disposition received.
- May 4: STRUC-1, CBO-241 STG Auxiliaries: Approved disposition received.
- May 4: CIVIL-1, CBO-101 Geotechnical Reports: Information only disposition received.
- May 4: GEN-5, CBO-002 Responsible Engineers: Approved disposition received.
- May 4: GEN-5, CBO-053 RDE Log: Approved disposition received.
- May 8: STRUC-1, CBO-246 Ammonia Storage Foundation: Approved disposition received.
- May 9: STRUC-1, CBO-220 Pipe Rack Foundations: Approved disposition received for DCN-071.
- May 10: MECH-1, CBO-315 Aboveground Piping: Information only dispositions received.
- May 10: STRUC-1, CBO-247 STG PDC Foundation: Approved dispositions received.
- May 10: MECH-1, CBO-302 P&ID's: Approved disposition received.
- May 10: STRUC-1, CBO-203 STG Foundations and Calculations: Approved disposition received for DCN-070.
- May 10: STRUC-1, CBO-217 Misc. Foundations: Approved disposition received.
- May 10: STRUC-1, CBO-229 Vogt Module Box Assembly: Approved disposition received.
- May 16: STRUC-1, CBO-247 STG PDC Foundation Plan: Approved disposition received for DCN-072.
- May 16: STRUC-1, CBO-236 ISO Phase Bus Supports and Excitation Transformer Foundation Plan: Approved disposition received for DCN-073.
- May 17: STRUC-1, CBO-268 Misc. Access Platforms: Approved disposition received.

- May 17: STRUC-1, CBO-258 Fuel Gas Skid PFA: Information only disposition received.
- May 17: STRUC-1, CBO-256 STG Enclosure: Information only disposition received.
- May 17: STRUC-1, CBO-237 Demin System Water Treatment Foundation: Approved disposition received.
- May 17: STRUC-1, CBO-236 ISO Phase Bus Supports and Excitation Transformer Foundation Plan: Approved disposition received.
- May 17: MECH-1, CBO-304 UG Piping: Information only disposition received.
- May 17: STRUC-1, CBO-901 Temporary Trailers & Decking: Information only disposition received.
- May 17: GEN-2, CBO-952 HRSG Crane Plan: Information only disposition received.
- May 17: GEN-5, CBO-002 Responsible Engineers: Approved disposition received.
- May 17: GEN-1, CBO-051 Harder Weld Procedures: Information only disposition received.
- May 17: GEN-5, CBO-053 RDE Log: Response required disposition received (revised).
- May 17: ELEC-1, CBO-454 Cable Trays: Approved disposition received.
- May 17: MECH-1, CBO-379 Fuel Gas Compressor C Skid-Fuel Gas Compressor C, Recycle Gas: Approved disposition received.
- May 17: MECH-2, CBO-387 ASME Vessels: Approved disposition received.
- May 17: STRUC-1, CBO-268 Misc. Access Platforms: Approved disposition received.
- May 17: STRUC-1, CBO-258 Fuel Gas Skid PFA: Approved disposition received.
- May 17: ELEC-1, CBO-456 Electrical Location Plans: Response required disposition received.
- May 17: ELEC-1, CBO-455 Lighting Plans: Response required disposition received.
- May 17: STRUC-1, CBO-262 BFP Pipe Rack Framing: Approved disposition received.
- May 17: STRUC-1, CBO-262 BFP Pipe Rack Framing: Approved disposition received.
- May 17: STRUC-1, CBO-240 Aux Boiler Foundations: Response required disposition received.
- May 22: STRUC-1, CBO-231 Vogt HRSG Platforms: Approved disposition received for DCN-074.
- May 30: GEN-1, CBO-051 Harder Weld Procedures: Information only disposition received.
- May 30: GEN-1, CBO-054 Welding Procedures and Certs: Information only dispositions received.
- May 30: STRUC-1, CBO-257 Structural Steel Fabricator Calculations: Response required disposition received.
- May 30: MECH-1, CBO-320 AZCO Critical Piping Fabrication and Installation: Information only disposition received.
- May 30: MECH-1, CBO-304 UG Piping: Information only disposition received.
- May 30: GEN-6, CBO-051 Special Inspectors: Approved disposition received.
- May 30: MECH-1, CBO-302 P&ID's: Approved disposition received.
- May 30: GEN-5, CBO-002 Responsible Design Engineers: Approved disposition received.
- May 30: MECH-1, CBO-317 Pipe Supports: Response required disposition received.
- May 30: STRUC-1, CBO-202 HRSG Foundation & Calculations Statement of Special Inspection: Approved disposition received.
- May 30: GEN-5, CBO-053 RDE Log: Information only disposition received.
- May 30: STRUC-1, CBO-206 Standard Notes and Details: Approved disposition received.
- May 30: TSE-5, CBO-506 Underground Ductbank: Approved disposition received.

- May 30: ELEC-1, CBO-950 Construction Power: Response required disposition received.
- May 30: MECH-2, CBO-387 ASME Vessels: Approved disposition received.

REVISED: 04/26/2012

Complete
Current
Tracking

CONDITION	NO.	Sort Code	CBO Submittals	PERIODIC REPORTS	Description of Project Owner Responsibilities (Conditions of Certification)	Verification/Action/Submittal Required by Project Owner	Timeframe / Trigger	Days	Lead Respons. Party	Comments
AIR QUALITY										
AQ	SC1	PC	NA		Air Quality Construction Mitigation Manager (AOCMM): The project owner shall designate and retain an on-site AOCMM who shall be responsible for directing and documenting compliance with conditions AQ-SC3, AQ-SC4 and AQ-SC5 for the entire project site and linear facility construction. The AOCMM shall not be terminated without written consent from the CPM.	At least 60 days prior to the start of ground disturbance, the project owner shall submit to the CPM for approval, the name, resume, qualifications, and contact information for the on-site AOCMM and all AOCMM Delegates.	Prior to the start of ground disturbance	60	LGC	Completed
AQ	SC3	CONS	NA	MCR	The AOCMM shall submit documentation to the CPM in each Monthly Compliance Report (MCR) that demonstrates compliance with the mitigation measures listed in AQ-SC3 for the purposes of preventing all fugitive dust plumes from leaving the Project. Deviation from the listed mitigation measures requires prior CPM notification and approval.	The project owner shall include in the MCR (1) a summary of all actions taken to maintain compliance with this condition, (2) copies of any complaints filed with the air district in relation to project construction, and (3) any other documentation deemed necessary by the CPM and AOCMM to verify compliance with this condition.	Randy Rose prepares monthly and provides to Rod Jones (Calpine)		LGC	Current
AQ	SC4	CONS	NA		The AOCMM or an AOCMM Delegate shall monitor all construction activities for visible dust plumes. Observations of visible dust plumes that have the potential to be transported (1) off the project site or (2) 200 feet beyond the centerline of the construction of linear facilities or (3) within 100 feet upwind of any regularly occupied structures not owned by the project owner indicate that existing mitigation measures are not resulting in effective mitigation. If visible dust plumes are observed, the AOCMM or delegate shall implement the procedures outlined in AQ-SC4.	The AOCMM shall include a section detailing how the additional mitigation measures will be accomplished within the time limits specified.	Randy Rose prepares monthly and provides to Rod Jones (Calpine)		LGC	Current
AQ	SC5	CONS	NA	MCR	The AOCMM shall submit to the CPM, in the MCR, a construction mitigation report that demonstrates compliance with the mitigation measures listed in AQ-SC5 for the purposes of controlling diesel construction-related emissions. Deviation from the listed mitigation measures shall require prior CPM notification and approval.	The project owner shall include in the MCR (1) a summary of all actions taken to maintain compliance with this condition, (2) copies of all diesel fuel purchase records, (3) a list of all heavy equipment used on site during that month, including the owner of that equipment and a letter from each owner indicating that equipment has been properly maintained, and (4) any other documentation deemed necessary by the CPM and AOCMM to verify compliance with this condition.	Randy Rose prepares Emission Log monthly and provides to Rod Jones (Calpine)		LGC	Current
AQ	1	PRE-OP	NA	Commissioning Emissions Report	The owner/operator of the LECEF shall minimize the emissions of carbon monoxide and nitrogen oxides from S-1, S-2, S-3 and S-4 Gas Turbines and S-7, S-8, S-9, and S-10 HRSG to the maximum extent possible during the commissioning period.	The project owner/operator shall specifically demonstrate compliance with this Condition of Certification as part of the Commissioning Plan and Monthly Commissioning Emissions Reports required by AQ-5 and AQ-10 respectively	Dec-12		LGC	Tracking
AQ	2	PRE-OP	NA	Commissioning Emissions Report	At the earliest feasible opportunity in accordance with the recommendations of the equipment manufacturers and the construction contractor, the owner/operator shall tune the S-1, S-2, S-3 and S-4 Gas Turbine combustors to minimize the emissions of carbon monoxide and nitrogen oxides.	The project owner/operator shall specifically demonstrate compliance with this Condition of Certification as part of the Commissioning Plan and Monthly Commissioning Emissions Reports required by AQ-5 and AQ-10 respectively.	Dec-12		LGC	Tracking
AQ	3	PRE-OP	NA	Commissioning Emissions Report	At the earliest feasible opportunity and in accordance with the recommendations of the equipment manufacturers and the construction contractor, the owner/operator shall install, adjust and operate the SCR Systems (A-10, A-12, A-14 & A-16) and OC Systems (A-9, A-11, A-13 & A-15) to minimize the emissions of NOx and CO from S-1, S-2, S-3 and S-4 Gas Turbines and S-7, S-8, S-9, and S-10 HRSG.	The project owner/operator shall specifically demonstrate compliance with this Condition of Certification as part of the Commissioning Plan and Monthly Commissioning Emissions Reports required by AQ-5 and AQ-10 respectively.	Dec-12		LGC	Tracking
AQ	4	PRE-OP	NA	Commissioning Emissions Report	Coincident with the steady-state operation of SCR Systems (A-10, A-12, A-14 & A-16) and OC Systems (A-9, A-11, A-13 & A-15) pursuant to AQ-3, the owner/operator shall operate the facility in such a manner that the Gas Turbines (S-1, S-2, S-3 and S-4) comply with the NOx and CO emission limitations specified in AQ-19a and AQ-19c.	The project owner/operator shall specifically demonstrate compliance with this Condition of Certification as part of the Commissioning Plan and Monthly Commissioning Emissions Reports required by AQ-5 and AQ-10 respectively.	Dec-12		LGC	Tracking
AQ	5	PRE-OP	NA		The owner/operator of the Los Esteros Critical Energy Facility shall submit a plan to the District Permit Services Division at least two weeks prior to first firing of S-1, S-2, S-3 & S-4 Gas Turbines and/or S-7, S-8, S-9, & S-10 HRSGs describing the procedures to be followed during the commissioning of the turbines in the combined-cycle configuration.	The project owner/operator shall submit a Commissioning Plan to the District Permit Services Division and the CPM for approval at least two weeks prior to first fire of S-1, S-2, S-3 and S-4.	Dec-12	14	LGC	Tracking
AQ	6	PRE-OP	NA	Commissioning Emissions Report	During the commissioning period, the owner/operator of the LECEF shall demonstrate compliance with AQ-8 through AQ-10 through the use of properly operated and maintained continuous emission monitors and data recorders for the parameters listed in AQ-6, as amended.	The project owner/operator shall specifically demonstrate compliance with this Condition of Certification as part of the Commissioning Plan and Monthly Commissioning Emissions Reports required by AQ-5 and AQ-10 respectively.	Dec-12		LGC	Tracking

AQ	7	PRE-OP	NA		The owner/operator shall install, calibrate and make operational the District-approved continuous monitors specified in AQ-6, as amended, prior to first firing of each turbine (S-1, S-2, S-3 and S-4 Gas Turbines) and HRSG (S-7, S-8, S-9, and S-10 Heat Recovery Steam Generators).	The project owner/operator shall notify the District and CPM of the date of expected first fire at least 30 days prior to first fire and shall make the project site available for inspection if desired by either the District or CPM.	Dec-12	30	LGC	Tracking
AQ	8	PRE-OP	NA		The owner/operator shall not operate the facility such that the number of firing hours of S-1, S-2, S-3 and S-4 Gas Turbines and/or S-7, S-8, S-9, and S-10 HRSG without abatement by SCR or OC systems exceed 250 hours for each power train during the commissioning period. Such operation of the S-1, S-2, S-3 and S-4 Gas Turbines without abatement shall be limited to discrete commissioning activities that can only be properly executed without the SCR or OC system in place.	The owner/operator shall provide written notice to the CPM and the District Permit Services & Enforcement Divisions within five business days of completion of all commissioning activities, at which time the unused balance of the 250 firing hours without abatement shall expire.	After completion of all commissioning activities	5	LGC	Tracking
AQ	9	PRE-OP	NA	Commissioning Emissions Report	The total mass emissions of nitrogen oxides, carbon monoxide, precursor organic compounds, PM10, and sulfur dioxide that are emitted by the S-1, S-2, S-3 and S-4 Gas Turbines and S-7, S-8, S-9, and S-10 HRSG during the commissioning period shall accrue towards the consecutive twelve-month emission limitations specified in AQ-22.	The project owner/operator shall specifically demonstrate compliance with this Condition of Certification as part of each Monthly Commissioning Emissions Report required by AQ-10 and as part of the first Quarterly Operations Report required by AQ-34 after the completion of commissioning	Dec-12		LGC	Tracking
AQ	10	PRE-OP	NA	Commissioning Emissions Report	The owner/operator shall not operate the facility such that the pollutant mass emissions from each turbine (S-1, S-2, S-3, and S-4 Gas Turbines) and corresponding HRSG (S-7, S-8, S-9, and S-10 Heat Recovery Steam Generators) exceed the limits during the commissioning period listed in AQ-10 as amended.	The project owner/operator shall submit to the CPM for approval, a Monthly Commissioning Emissions Report that includes fuel use, turbine operation, post combustion control operation, ammonia use and CEM readings on an hourly and daily basis	Dec-12		LGC	Tracking
AQ	11	PRE-OP	NA		Within sixty (60) days of startup, the owner/operator shall conduct a District approved source test using external continuous emission monitors to determine compliance with AQ-10.	The project owner/operator shall submit the source test plan and results as required in the time frames indicated in this Condition of Certification.	Dec-12	60	LGC	Tracking
AQ	11	PRE-OP	NA		Thirty (30) days before the execution of the source tests, the owner/operator shall submit to the District a detailed source test plan designed to satisfy the requirements of AQ-11. The owner/operator shall be notified of any necessary modifications to the plan within twenty (20) working days of receipt of the plan; otherwise the plan shall be deemed approved. District comments shall be incorporated into the test plan.		Dec-12	30	LGC	Tracking
AQ	11	PRE-OP	NA		The owner/operator shall notify the District within ten (10) days prior to the planned source testing date.		Dec-12	10	LGC	Tracking
AQ	11	PRE-OP	NA		Source test results shall be submitted to the District within sixty (60) days of the source testing date.		Dec-12	60	LGC	Tracking
AQ	26	OP	NA		<u>Within ninety (90) days of the startup of the gas turbines and HRSGs</u> , and at a minimum on an annual basis thereafter, the owner/operator shall perform a RATA on the CEMS in accordance with 40 CFR Part 60 Appendix B Performance Specifications and a source test shall be performed.		After startup of the gas turbines and HRSGs	90	LGC	Tracking
AQ	26	OP	NA		A complete test protocol shall be submitted to the District no later than 30 days prior to testing.	At least 30 days prior to the date of each source test, the owner/operator shall submit a source test protocol to the District and the CPM for approval.	Prior to the date of each source tests	30	LGC	Tracking
AQ	26	OP	NA		Notification to the District at least ten days prior to the actual date of testing shall be provided so that a District observer may be present.	At least 10 days prior to the testing date, the owner/operator shall notify the District and the CPM of the date of the source test.	Prior to the testing date	10	LGC	Tracking
AQ	26	OP	NA		The written test results of the source tests shall be provided to the District within thirty days after testing.	No more than 30 days after the date of the source test, the owner/operator shall submit the results of the RATA and source test to the District and the CPM for approval.	After to the testing date	30	LGC	Tracking
AQ	27	OP	NA	AQ-34	<u>Within 60 days of start-up of the LECEFF in combined-cycle configuration</u> and on a semi-annual basis thereafter, the owner/operator shall conduct a District approved source test on exhaust points P-1, P-2, P-3, and P-4 while each Gas Turbine/HRSG power train is operating at maximum load to demonstrate compliance with the SAM emission limit specified in AQ-23. The owner/operator shall test for (as a minimum) SO <sub>2</sub> , SO <sub>3</sub> , and SAM.	The project owner/operator shall verify compliance with this Condition of Certification in each quarterly report required by Condition of Certification AQ-34.	After startup of the gas turbines and HRSGs	60	LGC	Tracking
AQ	28	PRE-OP	NA		The owner/operator shall prepare a written quality assurance program must be established in accordance with 40 CFR Part 75, Appendix B and 40 CFR Part 60 Appendix F.	The owner/operators shall make access available to the facility and records upon request as set forth in Condition of Certification AQ-15.	Dec-12		LGC	Tracking

AQ	45	PRE-OP	NA		Within 60 days of startup of the Los Esteros Critical Energy Facility and on a biennial (once every two years) thereafter, the owner/operator shall conduct a District-approved source test at exhaust point P-1, P-2, P-3, or P-4 while the Gas Turbines are at maximum allowable operating rates to demonstrate compliance with AQ-44.	At least 20 days prior to the intended source test date, the owner/operator shall submit a source testing methodology to the District and CPM for review and approval.	Prior to the intended source test date	20	LGC	Tracking
<b>BIOLOGICAL RESOURCES</b>										
BIO	4	CONS		MCR		The project owner shall state in the Monthly Compliance Report the number of persons who have completed the training in the prior month and a running total of all persons who have completed the training to date.			LGC	Current
BIO	13	CONS			The project owner will acquire a City of San Jose permit to remove any remaining ordinance trees from the simple-cycle facility site.	The terms and conditions of the City of San Jose permit(s) will be incorporated into the project's BRMIMP and submitted at least 90 days prior to removal of any remaining ordinance trees	prior to removal of any remaining ordinance trees	90	LGC	Tracking
<b>CULTURAL RESOURCES</b>										
CUL	2	PC			Prior to the start of ground disturbance, the project owner shall provide the CRS and the CPM with maps and drawings showing the footprint of the power plant and all linear facilities.	At least forty days prior to the start of ground disturbance, the project owner shall provide the designated cultural resources specialist and the CPM with the maps and drawings.	Prior to the start of ground disturbance	40	LGC	Completed
CUL	2	PC			If construction of this project will proceed in phases, maps and drawings may be submitted in phases. A letter identifying the proposed schedule of each project phase shall be provided to the CPM and the CRS.	If this is to be a phased project, a letter identifying the proposed schedule of the ground disturbance or construction phases of the project shall also be submitted.			LGC	Tracking
CUL	2	CONS			Prior to implementation of additional phases of the project, current maps and drawings shall be submitted to the CPM and the CRS.	At least 30 days prior to the start of ground disturbance on each phase of the project, following initial ground disturbance, copies of maps and drawings reflecting additional phases of the project, shall be provided to the CPM for review and approval.	Prior to the start of ground disturbance on each phase of the project	30	LGC	Tracking
CUL	2	CONS		MCR	At a minimum, the CRS shall consult weekly with the project superintendent or construction field manager to confirm area(s) to be worked during the next week, until ground disturbance is completed. A current schedule of anticipated project activity shall be provide to the CRS on a weekly basis during ground disturbance and provided to the CPM in each Monthly Compliance Report (MCR).				LGC	Current
CUL	2	CONS				If there are changes to the scheduling of the construction phases of the project, a letter shall be submitted to the CPM within 5 days of identifying the changes.	After identifying the changes	5	LGC	Tracking
CUL	4	PC		MCR	Workers shall sign an acknowledgement form that they have received training and a sticker shall be placed on hard hats indicating that environmental training has been completed.	Copies of acknowledgement forms signed by trainees shall be provided in the MCR.			LGC	Current
<b>FACILITY DESIGN</b>										
<b>GEN</b>										
GEN	1	PRE-OP	X		The project owner shall design, construct and inspect the project in accordance with the 2001 CBSC which and all other applicable engineering LORS in effect at the time initial design plans are submitted to the CBO for review and approval.	Within 30 days after receipt of the Certificate of Occupancy, the project owner shall submit to the 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.	After receipt of Certificate of Occupancy	30	LGC	Tracking
GEN	1	PRE-OP				The project owner shall provide the CPM a copy of the Certificate of Occupancy within 30 days of receipt from the CBO.	After receipt of Certificate of Occupancy	30	LGC	Tracking
GEN	2	PC	X		Prior to submittal of the initial engineering designs for CBO review, the project owner shall furnish to the CPM and to the CBO a preliminary schedule of facility design submittals, a Master Drawing List, and a Master Specifications List.	At least 30 days prior to the start of rough grading, the project owner shall submit to the CBO and to the CPM the preliminary schedule, the Master Drawing List, and the Master Specifications List of documents for major structures and equipment (see GEN-2, Table 1) to be submitted to the CBO for review and approval.	Prior to the start of rough grading	30	LGC	Completed
GEN	2	CONS	004		Construction QA/QC Manual		To The CBO on 8/12/11. Disposition received 9/13/11, response required. Revised doc sent to the CBO In 9/22/11. Disposition received 9/28/11, approved with comment		LGC	Completed

GEN	2	CONS	051		Civil Specification		Three revised specs sent to the CBO on 8/5/11. Conditionally approved disposition received 8/24/11 for Earthwork. Response required disposition received 8/24/11 for cast-in-place concrete. Conditionally approved disposition received 8/24/11 for protective paint & coatings. 312000 Earthwork revised spec and disposition sent to the CBO on 9/19/11. Approved disposition received 9/28/11. Approved disposition received 10/19/11. Approved disposition received 10/25/11 for cast-in-place. Response required disposition received 11/2/11 for 312113. #312113 and response to CBO comments were sent to the CBO on 2/7/12. Approved disposition received 2/21/12 for #312113 R3	LGC	Completed
GEN	2	CONS	051		Structural Specification		To CBO on 6/20. New spec. sent 7/6/11 and 7/9/11. 4 new specs sent 7/13/11. 3 revised specs sent 7/21/11. 2 revised specs sent 7/29/11. Revised spec and disposition response sent to the CBO on 8/25/11. Sent revised cast-in-place spec to the CBO on 9/6/11 and 9/20/11. Disposition received 9/21/11, approved. Cast-in-Place spec sent to the CBO on 10/7/11. Approved disposition received 11/16/11 for 051000 and 013610. Approved disposition received 12/21/11 for #230000. Approved disposition received 1/3/12 for #133419. #013610 was sent to the CBO on 1/11/12. #013610 sent to the CBO on 1/23/12. Approved disposition received 1/24/12 for #013610. Response required disposition received 1/31/12 for #211000. Approved disposition received 2/1/12 for #013610	LGC	Completed
GEN	2	CONS	51		Mechanical Specification		Conditional approval 8/16/11. New spec sent to the CBO on 9/2/11. Approved disposition received 9/21/11. One document sent to the CBO on 9/30/11. Two specs approved 10/19/11. Approved 264200 on 11/4/11. One spec sent to the CBO on 11/16/11. One spec sent to the CBO on 12/1/11. Approved disposition received 12/14/11 for #405720, #406011, #485868, #405000. Three documents sent to the CBO on 12/21/11. Two documents sent to the CBO on 12/30/11. #405505 sent to the CBO on 1/28/12. #405720 sent to the CBO on 1/28/12. Approved with note disposition received 2/3/12 for #405010. Approved disposition received 2/3/12 for #405505. Approved disposition received 2/7/12 for #405505 and #405720. Sent revised 405010 to the CBO on 2/15/12. #405720 submitted to the CBO on 2/22/12. Sent revised specs to the CBO on 2/24/12. Approved disposition and information only dispositions received 2/29/12. Sent one spec to the CBO on 3/12/12	LGC	Current
GEN	2	CONS	51		Welding Procedure Specifications		Conditional approval 8/16/11. Sent two documents to the CBO on 2/29/12. Approved disposition received 2/29/12. 42 documents were sent to the CBO on 3/1/12. Information only disposition received 3/13/12 and 3/14/12	LGC	Completed
GEN	2	CONS	51		Architectural Specifications		To the CBO on 7/22/11. Approved with note disposition received 11/8/11 for 102800, 101400, 099010, 096816, 096500. Response required disposition received 11/9/11 for 081400. Approved with note received 11/9/11 for 092116, 092216, 095123	LGC	Completed
GEN	2	CONS	51		Electrical Specifications		To the CBO on 9/2/11. Disposition received 9/8/11, response required. Approved disposition with note received 11/2/11 for 337119.13. Approved disposition received 11/2/11 for 260000. Approved disposition received 11/2/11 for 260533.01. Sent revised 337119.13 and disposition response to the CBO on 11/3/11. 260000 General Provisions comments sent to the CBO on 11/28/11. Approved disposition received 11/30/11 for 337119.13. Three specs sent to the CBO on 12/1/11. Four new specs sent to the CBO on 12/8/11. Sent two documents to the CBO on 12/15/11. Sent #260526, #263355, #263355DS to the CBO on 12/16/11. Approved disposition received 12/21/11 for #220000. Two documents sent to the CBO on 12/27/11. Approved disposition received 1/4/12 for #260526 and #260000. Approved disposition received 1/18/12 for #260519, #260536, #261300, #261300DS, #262700, #263355, #263355DS. Response required disposition received 1/19/12 for #261300.01, #261300.01.DS. #262605DS sent to the CBO on 2/2/12. Approved with note disposition received 2/3/12 for #262605DS. Approved with note disposition received 2/3/12 for #262605. Info only disposition received 2/7/12 for #262605. Sent response to CBO comments on 3/5/12. Approved disposition received 3/8/12. Approved disposition received 3/13/12. Revised spec was sent to the CBO on 3/13/12	LGC	Completed

GEN	2	CONS	050		Calpine Vendor Master Document List	CH2M HILL approved disposition received 8/2/11	Approved disposition received 7/7/11		LGC	Completed
GEN	2	CONS	1200		SMP Sampling Plan		Disposition received 8/1/11, information only		LGC	Completed
GEN	4	PC	X		The project owner shall assign a California registered architect, structural engineer or civil engineer, as a Resident Engineer (RE), to be in general responsible charge of the project.	At least 30 days (or project owner and CBO approved alternative timeframe) prior to the start of rough grading, the project owner shall submit to the CBO for review and approval, the name, qualifications and registration number of the RE and any other delegated engineers assigned to the project.	Prior to the start of rough grading	30	LGC	Completed
GEN	4	CONS	1		Resident Engineer		CBO approved 6/30/11. Resume and letter sent to the CBO on 8/25/11. Approved disposition received 8/31/11. Sent Douglas Brown resume to the CBO on 9/21/11. Approved disposition received 9/28/11		LGC	Completed
GEN	4	CONS				If the RE or delegated engineer(s) are subsequently reassigned or replaced, the project owner has five days in which to submit the name, qualifications, and registration number of the newly assigned engineer to the CBO for review and approval.	After reassignment or replacement	5	LGC	Tracking
GEN	5		2		Responsible Engineers CA PE's		To the CBO on 9/26/11 and 9/29/11. Conditionally approved 10/18/11. Sent letter and three resumes to the CBO on 3/1/12. Sent letter and two resumes to the CBO on 3/12/12. Approved disposition received 3/13/12		LGC	Completed
GEN	5	PC	X		Prior to the start of rough grading, the project owner shall assign at least one of each of the following California registered engineers to the project: A) a civil engineer; B) a soils engineer, or a geotechnical engineer or a civil engineer experienced and knowledgeable in the practice of soils engineering; C) an engineering geologist.	At least 30 days (or project owner and CBO approved alternative timeframe) prior to the start of rough grading, the project owner shall submit to the CBO for review and approval, resumes and registration numbers of the responsible civil engineer, soils (geotechnical) engineer and engineering geologists assigned to the project.	Prior to the start of rough grading	30	LGC	Completed
GEN	5	PC	X		Prior to the start of construction, the project owner shall assign at least one of each of the following California registered engineers to the project: D) a design engineer, who is either a structural engineer or a civil engineer fully competent and proficient in the design of power plant structures and equipment supports; E) a mechanical engineer; and F) an electrical engineer.	At least 30 days (or project owner and CBO approved alternative timeframe) prior to the start of construction, the project owner shall submit to the CBO for review and approval, resumes and registration numbers of the responsible design engineer, mechanical engineer and electrical engineer assigned to the project.	Prior to the start of construction	30	LGC	Completed
GEN	5	CONS				If the designated responsible engineer is subsequently reassigned or replaced, the project owner has five days in which to submit the name, qualifications, and registration number of the newly assigned engineer to the CBO for review and approval.	After reassignment or replacement	5	LGC	Tracking
GEN	6	CONS	X		Prior to the start of an activity requiring special inspection, the project owner shall assign to the project, qualified and certified special inspector(s) who shall be responsible for the special inspections required by the 2001 CBC, Chapter 17 [Section 1701, Special Inspections; Section, 1701.5 Type of Work (requiring special inspection)]; and Section 106.3.5, Inspection and observation program. Weld inspectors shall be certified by the American Welding Society and/or the American Society of Mechanical Engineers	At least 15 days (or project owner and CBO approved alternative timeframe) prior to the start of an activity requiring special inspection, the project owner shall submit to the CBO for review and approval, with a copy to the CPM, the name(s) and qualifications of the certified weld inspector(s), or other certified special inspector(s) assigned to the project to perform one or more of the duties set forth above.	Prior to start of activity requiring special inspection	15	LGC	Current
GEN	6	CONS		MCR		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			LGC	Current
GEN	6	CONS				If the special inspector is subsequently reassigned or replaced, the project owner has five days in which to submit the name, qualifications, and registration number of the newly assigned engineer to the CBO for review and approval.	After reassignment or replacement	5	LGC	Tracking
GEN	7	CONS	X	MCR	If any discrepancy in design and/or construction is discovered in any engineering work that has undergone CBO design review and approval, the project owner shall document the discrepancy and recommend the corrective action required. The discrepancy documentation shall be submitted to the CBO for review and approval.	The project owner shall transmit a copy of the CBO's approval of any corrective action taken to resolve a discrepancy to the CPM in the next Monthly Compliance Report.	Design Discrepancy Identified		LGC	Current
GEN	7	CONS				If any corrective action is disapproved, the project owner shall advise the CPM, within five days, the reason for disapproval and the revised corrective action to obtain CBO's approval.	After receipt of disapproval	5	LGC	Tracking

GEN	8	CONS	X	MCR	The project owner shall obtain the CBO's final approval of all completed work that has undergone CBO design review and approval. The project owner shall request the CBO to inspect the completed structure and review the submitted documents. The project owner shall notify the CPM after obtaining the CBO's final approval.	Within 15 days of the completion of any work, the project owner shall submit to the CBO, with a copy to the CPM, in the next Monthly Compliance Report, (a) a written notice that the completed work is ready for final inspection, and (b) a signed statement that the work conforms to the final approved plans.	After completion of work	15	LGC	Tracking
GEN	8	CONS				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.	When As-Builts are stored		LGC	Tracking
CIVIL										
CIVIL	1	PC	X		The project owner shall submit to the CBO for review and approval the following: 1. Design of the proposed drainage structures and the grading plan; 2. An erosion and sedimentation control plan; 3. Related calculations and specifications, signed and stamped by the responsible civil engineer; and 4. Soils Report, Geotechnical Report of Foundation Investigations Report required by the 2001 CBC.	At least 15 days (or project owner and CBO approved alternative timeframe) prior to the start of site grading, the project owner shall submit the documents described above to the CBO for review and approval.	Prior to start of site grading	15	LGC	Completed
CIVIL	1	CONS		MCR		In the next Monthly Compliance Report following the CBO's approval, the project owner shall submit a written statement certifying that the documents have been approved by the CBO.	Randy Rose prepares monthly and provides to Rod Jones (Calpine)		LGC	Current
CIVIL	1	CONS	100		Soil Backfill Inspection Report		to CBO on 7/20/11		LGC	Completed
CIVIL	1	CONS	102		Drainage and grading, Rev 4		CBO approved 6/23. One document was sent to the CBO on 1/13/12. Approved disposition received 1/24/12. Nine drawings sent to the CBO on 2/8/12		LGC	Completed
CIVIL	1	CONS	104		Dewatering Plan		CBO approved 6/15		LGC	Completed
CIVIL	1	CONS	105		Shield Shoring Design Calculations		One document sent to the CBO on 12/14/11. Sent to the CBO on 1/4/12. Response required disposition received 1/5/12. Revised calculations were sent to the CBO on 1/11/12. Approved with note disposition received 1/5/12. Two documents were sent to the CBO on 1/17/12. Per Don on 2/22/12, remove from matrix		LGC	Completed
CIVIL	1	CONS	304		Revised Submittal Utility Reroute Plan		to CBO on 6/21		LGC	Completed
CIVIL	2	CONS	x		The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible soils engineer, geotechnical engineer, or civil engineer experienced and knowledgeable in the practice of soils engineering identifies unforeseen adverse soil or geologic conditions. The project owner shall submit modified plans, specifications and calculations to the CBO based on these new conditions.	The project owner shall notify the CPM within 24 hours, when earthwork and construction is stopped as a result of unforeseen adverse geologic/soil conditions.	Upon discovery	1	LGC	Tracking
CIVIL	2	CONS			The project owner shall obtain approval from the CBO before resuming earthwork and construction in the affected area.	Within 24 hours of the CBO's approval to resume earthwork and construction in the affected areas, the project owner shall provide to the CPM a copy of the CBO's approval.	After CBO approval	1	LGC	Tracking
CIVIL	3	CONS	x		The project owner shall perform inspections in accordance with the 2001 CBC. All plant site-grading operations shall be subject to inspection by the CBO and the CPM. If, in the course of inspection, it is discovered that the work is not being done in accordance with the approved plans, the discrepancies shall be reported immediately to the resident engineer, the CBO, and the CPM	Within five days of the discovery of any discrepancies, the resident engineer shall transmit to the CBO and the CPM a Non-Conformance Report (NCR), and the proposed corrective action for review and approval.	Upon discovery	5	LGC	Tracking
CIVIL	3	CONS	x		The project owner shall prepare a written report, with copies to the CBO and the CPM, detailing all discrepancies, noncompliance items, and the proposed corrective action.	Within five days of resolution of the NCR, the project owner shall submit the details of the corrective action to the CBO and the CPM.	After resolution	5	LGC	Tracking
CIVIL	3	CONS		MCR		A list of NCRs, for the reporting month, shall be included in the following Monthly Compliance Report.	Randy Rose prepares monthly and provides to Rod Jones (Calpine)		LGC	Current

CIVIL	4	CONS	x		After completion of finished grading and erosion and sedimentation control and drainage work, the project owner shall obtain the CBO's approval of the final grading plans (including final changes), for the erosion and sedimentation control work.	Within 30 days (or project owner and CBO approved alternative timeframe) of the completion of the erosion and sediment control mitigation and drainage work, the project owner shall submit to the CBO, for review and approval, the final grading plans (including final changes) and the responsible civil engineer's signed statement that the installation of the facilities and all erosion control measures were completed in accordance with the final approved combined grading plans, and that the facilities are adequate for their intended purposes.	After completion	30	LGC	Tracking
CIVIL	4	CONS		MCR		The project owner shall submit a copy of the CBO's approval to the CPM in the next Monthly Compliance Report.	Randy Rose prepares monthly and provides to Rod Jones (Calpine)		LGC	Current
STRUC										
STRUC	1	CONS	X		The project owner shall submit to the CBO for design review and approval the proposed lateral force procedures for project structures and the applicable designs, plans and drawings for project structures. Construction of any structure or component shall not commence until the CBO has approved the lateral force procedures.	At least 30 days (or project owner and CBO approved alternative timeframe) prior to the start of any increment of construction of any structure or component listed in Facility Design Table 1 of Condition of Certification GEN-2, the project owner shall submit to the CBO the above final design plans, specifications and calculations, with a copy of the transmittal letter to the CPM.	Prior to the start of any increment of construction of any structure	30	LGC	Current
STRUC	1	CONS		MCR		The project owner shall submit to the CPM, in the next Monthly Compliance Report a copy of a statement from the CBO that the proposed structural plans, specifications, and calculations have been approved and are in compliance with the requirements set forth in the applicable engineering LORS.	Randy Rose prepares monthly and provides to Rod Jones (Calpine)		LGC	Current
STRUC	1	CONS	201		HRSR Foundation Load Study		Retroactively approved disposition received 7/27/11. New sent to the CBO on 8/3/11. Approved with note disposition received 8/23/11		LGC	Completed
STRUC	1	CONS	202		HRSR Foundation & Calculations		Revised documents sent to the CBO on 7/29/11 and 8/3/11. Approved disposition received 8/10/11. One revised sent to the CBO on 8/11/11. Approved with note disposition received 8/24/11. New documents sent to the CBO on 9/7/11. Approved disposition received 9/27/11. Four documents were sent to the CBO on 1/13/12. Approved disposition received 1/24/12. One revised document sent to the CBO on 1/31/12		LGC	Completed
STRUC	1	CONS	203		STG Foundation & Calculations		Approved disposition received 7/12/11. One document to the CBO on 9/9/11. One revised drawing sent to the CBO on 9/26/11. Approved disposition received 9/27/11. One revised drawing sent to the CBO on 9/30/11. Two revised drawings sent to the CBO on 10/3/11. Approved disposition received 10/17/11 for DCN-002. Info only disposition received 10/17/11 for DCN-004. Info only disposition received 10/17/11 for DCN-006. Info only disposition received 10/17/11 for DCN-008. Approved disposition received 10/25/11. DCN-012 sent to the CBO on 10/31/11. Info only disposition received 11/1/11. One revised drawing sent to the CBO on 11/7/11. DCN-014 and observation report sent to the CBO on 11/11/11. DCN-016 and DCN-017 sent to the CBO on 11/15/11. Approved disposition received 11/16/11 for DCN-014. Approved with note disposition received 11/16/11 for DCN-016 and DCN-017. Structural observation report 2 sent to the CBO on 11/17/11. Approved disposition received 11/30/11 for DCN-018. Sent revised DCN-018 to the CBO on 11/30/11. Information accepted for record disposition received 12/1/11 for both observation reports. DCN-023 sent to the CBO on 12/21/11. Approved disposition received 12/22/11 for DCN-023. DCN-018 sent to the CBO on 1/28/12. Approved disposition received 2/3/12. DCN-045 sent to the CBO on 2/17/12. Approved disposition received 2/21/12. Sent one revised drawing to the CBO on 2/24/12. Approved disposition received 3/1/12		LGC	Completed
STRUC	1	CONS	204		Cooling Tower Foundation & Calculations		Disposition received 7/12/11, response required. Approved disposition received 7/12/11 for LE-CTW-DE-S7-0160, Sheet 1, Rev. 2 only. Disposition response & 4 revised drawings sent to the CBO on 7/26/11. Three revised drawings sent to the CBO on 8/11/11. Response required disposition received 8/24/11. Four revised drawings and disposition response sent to the CBO on 8/30/11. Approved disposition received 9/6/11 for all documents. One revised drawing sent to the CBO on 9/26/11. Approved disposition received 10/17/11 for DCN-005. DCN-010 sent to the CBO on 10/20/11. Info only disposition received 10/27/11		LGC	Completed

STRUC	1	CONS	205		Cooling Tower		Response required from CBO 5/27. 20 revised docs and disposition response to the CBO on 8/18/11. Two docs sent to the CBO on 9/14/11. Six documents sent to the CBO on 9/27/11. Approved disposition received 9/28/11. Approved disposition received 10/25/11. DCN-001 (three sheets) sent to the CBO on 12/1/11 and 12/7/11. Approved disposition received 12/13/11. Approved disposition received 12/14/11	LGC	Completed
STRUC	1	CONS	206		Drainage and Grading		Approved by CBO 6/20/11	LGC	Completed
STRUC	1	CONS	206		Standard Notes and Details		To CBO on 6/8/11	LGC	Completed
STRUC	1	CONS	209		Temporary Supports		Approved disposition 7/12/11	LGC	Completed
STRUC	1	CONS	209		Inspection Report for CW Pipe Phase 2		Sent to the CBO on 7/6/11	LGC	Completed
STRUC	1	CONS	210		Concrete Mix Design		CBO Info Only 6/13. One document sent to the CBO on 8/25/11. Disposition received 9/1/11, response required. Disposition received 10/27/11, for CBO record only. 4 new documents sent to the CBO on 10/27/11. One new document sent to the CBO on 11/1/11. Disposition received 11/2/11 for all as CBO record only. Disposition received 11/21/11 for all as CBO record only. One document sent to the CBO on 1/27/12. Information only disposition received 2/3/12	LGC	Completed
STRUC	1	CONS	211		STG Documents		CBO Response Required received 6/22. Disposition response and one revised calc sent 7/22/11. (Brooks-Ransom Structural Calcs): Disposition received 8/1/11, partial approval. 10 documents sent to the CBO on 11/10/11. Approved disposition received 11/16/11 for all documents to date	LGC	Completed
STRUC	1	CONS	212		Pad Support Arrangement & Calculations		Disposition received 8/17/11, response required. Two revised documents sent to the CBO on 11/9/11. Approved disposition received 11/17/11 for all documents to date	LGC	Completed
STRUC	1	CONS	213		HRSR ASME Calculations		Disposition received 8/17/11, response required. Disposition response and revised calcs sent to the CBO on 9/22/11. Approved disposition received 10/26/11 for all documents. Sent two revised documents to the CBO on 2/16/12. Approved disposition received 3/1/12	LGC	Completed
STRUC	1	CONS	214		GSU Foundation Design Drawings & Calculations		Sent to the CBO on 8/26/11. Disposition received 9/22/11, response required Two documents and disposition response sent to the CBO on 10/11/11. Approved disposition received 10/26/11. One document sent to the CBO on 12/16/11. Approved disposition received 12/21/11. Approved disposition received 12/22/11. DCN-024 sent to the CBO on 12/28/11. DCN-025 sent to the CBO on 12/29/11. DCN-025 approved disposition received 1/3/12. Sent documents to the CBO on 1/30/12. Response required disposition received 2/21/12	LGC	Tracking
STRUC	1	CONS	215		GSU Transformer Design Data		Sent four documents to the CBO on 2/10/12. Approved disposition received 3/7/12	LGC	Completed
STRUC	1	CONS	216		Oil Water Separator/Cooling Water Heat Exchanger Foundation Designs		To the CBO on 9/7/11 and 9/9/11. Response required disposition received 10/12/11. One document sent to the CBO on 10/17/11. Sent revised drawing & disposition response to the CBO on 10/18/11. DCN-009 sent to the CBO on 10/20/11. DCN-011 sent to the CBO on 10/24/11. Disposition received 10/27/11, approved with note. One revised drawing sent to the CBO on 11/16/11. DCN-011 sent to the CBO on 11/22/11. Approved disposition received 12/6/11 for DCN-011. Approved with note disposition received 12/21/11. Approved disposition received 1/9/12. DCN-037 sent to the CBO on 1/13/12. Approved with note disposition received 1/24/12 for DCN-037	LGC	Completed

STRUC	1	CONS	217	Misc. Foundations	Four documents sent to the CBO on 10/21/11. Two documents sent to the CBO on 10/25/11. Two documents sent to the CBO on 10/27/11. One revised drawing and partial responses to CBO-216 sent to the CBO on 10/28/11. One calculation sent to the CBO on 10/28/11. Approved disposition received 11/9/11 for docs sent to CBO on 10/27/11. Approved disposition received 11/9/11 for the condenser exhauster foundation. Approved with comment disposition received 11/9/11 for haz storage. One drawing sent to the CBO on 11/14/11. Info only disposition received 11/16/11 for DCN-015. Response required disposition received 11/23/11 for water treatment extension and boiler feed pump. Haz material storage revised drawing sent to the CBO on 11/22/11. DCN-019 sent to the CBO on 11/28/11. Approved disposition received 11/30/11 for DCN-019. Approved with note disposition received 11/30/11 for condenser exhauster pump only. Revise and resubmit disposition received 12/1/11 for haz. Sent revised calc and drawing to the CBO on 12/6/11. Sent revised haz storage drawing/response to CBO comments to the CBO on 12/8/11. Sent new and revised documents plus response to CBO comments to the CBO on 12/9/11. Approved with note disposition received 12/13/11. Approved disposition received 1/8/12 and 1/9/12. Sent three documents to the CBO on 2/11/12. Approved disposition received 2/15/12. Sent one revised drawing to the CBO on 2/17/12. Sent DCN-049 and DCN-050 to the CBO on 2/22/12. Approved dispositions received 2/29/12 for DCN-049 and DCN-050. Approved disposition received 3/1/12. DCN-052 was sent to the CBO on 3/13/12. Approved disposition received 3/14/12. DCN-053 was sent to the CBO on 3/15/12	LGC	Completed
STRUC	1	CONS	218	Fuel Gas Compressor Foundation & Design	Sent one calculation & one drawing to the CBO on 11/4/11. Response required disposition received 12/14/11. Two documents sent to the CBO on 12/29/11. Approved disposition received 1/10/12. DCN-039 sent to the CBO on 1/27/12. Approved disposition received 2/3/12 for DCN-039. DCN-043 sent to the CBO on 2/9/12. Response required disposition received 2/15/12. DCN-044 sent to the CBO on 2/17/12. DCN-043 closed was sent to the CBO on 2/17/12. Approved disposition received 2/21/12 for DCN-044	LGC	Tracking
STRUC	1	CONS	219	HRSB Blowdown Pit & Sump Foundation & Design	Three documents sent to the CBO on 11/7/11. Two documents sent to the CBO on 11/16/11. Two revised drawings sent to the CBO on 12/8/11. Approved disposition received 12/20/11 for DCN-021 and DCN-022. Response required disposition received 12/20/11. Two documents sent to the CBO on 12/20/11. One revised calculation, three revised drawings, one response to CBO comments were sent to the CBO on 1/9/12. Approved disposition received 1/26/12. Sent DCN-046 and DCN-047 to the CBO on 2/16/12. Received approved disposition on 2/21/12. Two revised drawings were sent to the CBO on 3/14/12	LGC	Completed
STRUC	1	CONS	220	Pipe Rack Foundations	Sent to the CBO on 11/8/11. Four documents sent to the CBO on 12/29/11. Response required disposition received 1/4/12. Response required disposition received 1/5/12 for supplement. Response required disposition received 1/16/12. Five documents sent to the CBO on 1/24/12. DCN-040 and DCN-041 sent to the CBO on 1/31/12. DCN-042 sent to the CBO on 2/2/12. Approved disposition received 2/23/12 for DCN-040, DCN-041, DCN-042. Approved with note disposition received 2/10/12. Sent documents to the CBO on 3/5/12. DCN-051 sent to the CBO on 3/5/12. Approved disposition received 3/8/12 for DCN-051. Approved disposition received 3/15/12	LGC	Completed
STRUC	1	CONS	221	SCR Moment Frame Analysis	One document sent to the CBO on 12/13/11. Approved disposition received 12/14/11. One document sent to the CBO on 12/27/11. Approved disposition received 1/10/12	LGC	Completed
STRUC	1	CONS	222	Condensate Pump Foundation and Containment Pit	Two documents sent to the CBO on 12/16/11. DCN-032 was sent to the CBO on 1/12/12. Approved disposition received 1/18/12 for DCN-032. DCN-038 sent to the CBO on 1/20/12. Information only disposition received 1/31/12 for DCN-038. Response required received 2/10/12. Sent one revised drawing and response to CBO comments to the CBO on 3/2/12. Approved disposition received 3/8/12	LGC	Completed

STRUC	1	CONS	224		Vogt Structural Cover & Notes		Two documents were sent to the CBO on 1/15/12. Response required disposition received 2/14/12		LECEF/LGC	Completed
STRUC	1	CONS	225		Vogt Bottom Casing		Seven documents were sent to the CBO on 1/15/12. Response required disposition received 2/14/12		LECEF/LGC	Completed
STRUC	1	CONS	226		Vogt Inlet-Burner Duct		Eight documents were sent to the CBO on 1/15/12. Response required disposition received 2/14/12		LECEF/LGC	Completed
STRUC	1	CONS	227		Vogt Field Connections		Three documents were sent to the CBO on 1/17/12. Approved disposition received 2/14/12		LECEF/LGC	Tracking
STRUC	1	CONS	228		IP Steam Drum Non-Pressure Attachments		One document sent to the CBO on 1/17/12. One document sent to the CBO on 1/20/12. Approved with note disposition received 2/14/12. Approved disposition received 3/7/12		LGC	Completed
STRUC	1	CONS	229		Vogt Module Box Assembly		18 documents were sent to the CBO on 1/17/12. Response required disposition received 2/14/12		LECEF/LGC	Completed
STRUC	1	CONS	230		Vogt Pipe Rack		Six documents were sent to the CBO on 1/17/12. One document sent to the CBO on 1/20/12. Response required disposition received 2/14/12		LECEF/LGC	Completed
STRUC	1	CONS	231		Vogt HRSG Platforms		12 documents were sent to the CBO on 1/17/12. One document sent to the CBO on 1/20/12. Response required disposition received 2/15/12		LECEF/LGC	Completed
STRUC	1	CONS	232		Vogt Side Casing		16 documents were sent to the CBO on 1/17/12. Response required disposition received 2/14/12		LECEF/LGC	Completed
STRUC	1	CONS	233		HP Steam Drum NP Attachments		One document was sent to the CBO on 1/17/12. One document sent to the CBO on 1/20/12. Response required disposition received 2/14/12		LGC	Completed
STRUC	1	CONS	234		Vogt Stacking Frame		14 documents were sent to the CBO on 1/18/12. Response required disposition received 2/14/12		LECEF/LGC	Completed
STRUC	1	CONS	235		Vogt Top Casing Box		10 documents were sent to the CBO on 1/18/12. Response required disposition received 2/14/12		LECEF/LGC	Completed
STRUC	1	CONS	236		Iso Phase Bus Supports and Excitation Transformer Foundation Plan		Three documents sent to the CBO on 1/30/12. Response required disposition received 3/1/12		LGC	Tracking
STRUC	1	CONS	237		Denim System Water Treatment Foundation		Five documents sent to the CBO on 2/10/12. Response required disposition received 2/29/12		LGC	Completed
STRUC	1	CONS	238		Sample and Analysis Enclosure Foundation		Two documents sent to the CBO on 2/3/12. Approved disposition received 2/22/12. Sent revised drawing to the CBO on 3/8/12. Approved disposition received 3/13/12		LGC	Completed
STRUC	1	CONS	239		Lube Oil Containment Foundation		Two documents were sent to the CBO on 2/7/12. Response required disposition received 3/8/12		LGC	Completed
STRUC	1	CONS	240		Aux Boiler Foundations		Two documents were sent to the CBO on 2/11/12. Sent one revised and one new drawing to the CBO on 2/18/12. Response required disposition received 3/1/12		LGC	Tracking
STRUC	1	CONS	241		STG Auxiliaries		Sent three documents to the CBO on 3/9/12		LGC	Tracking

STRUC	1	CONS	242		Cycle Chemical Feed System Foundations and Containment		Sent two documents to the CBO on 3/3/12. Approved disposition received 3/8/12		LGC	Completed
STRUC	1	CONS	250		Pipe Rack Steel		Response required disposition received 12/30/11. 9 documents were sent to the CBO on 1/4/12. Four new drawings were sent to the CBO on 1/5/12. Revised drawings and response to CBO comments sent to the CBO on 2/17/12. Response required disposition received 3/7/12		LGC	Completed
STRUC	1	CONS	251		Existing Pipe Rack Steel		7 drawings and one calculation sent to the CBO on 11/14/11. 7 drawings sent to the CBO on 12/2/11. 7 revised drawings sent to the CBO on 12/9/11. Response required disposition received 1/8/12. Revised drawings and response to CBO comments sent to the CBO on 2/14/12. DCN-048 sent to the CBO on 2/22/12. Approved disposition received 2/29/12 for DCN-048. Response required disposition received 3/7/12		LGC	Completed
STRUC	1	CONS	252		STG Access and Auxiliary Platforms		Nine documents sent to the CBO on 1/27/12. Response required disposition received 3/1/12		LGC	Completed
STRUC	1	CONS	253		Air Heater Retrofit		Two documents were sent to the CBO on 2/27/12		LGC	Tracking
STRUC	1	CONS	254		SCR Duct & Grid		Sent one document to the CBO on 2/24/12		LGC	Completed
STRUC	1	CONS	255		Distribution Grid		Sent one document to the CBO on 2/24/12. Information only disposition received 3/1/12		LGC	Completed
STRUC	1	CONS	256		STG Enclosure		Sent four documents to the CBO on 3/9/12		LGC	Tracking
STRUC	1	CONS	257		Structural Steel Fabricator Calculations		Sent documents to the CBO on 3/4/12 and 3/5/12. Response required disposition received 3/13/12		LGC	Tracking
STRUC	1	CONS	800		Warehouse		To the CBO on 8/3/11. Review stopped disposition received 12/2/11. One document sent to the CBO on 12/20/11. Response required disposition received 2/14/12		LGC	Tracking
STRUC	1	CONS	901		Temp Trailer and Decking		Revised drawing sent to the CBO on 6/29/11. Meeting room and revised layout site plan sent 7/18/11. Approved disposition received 7/18/11. New drawing sent 7/21/11. Disposition received 8/3/11, response required. Revised alternate meeting room & trailer layout plan sent to the CBO on 8/10/11. Calpine letter to the CBO 8/18/11. Approved disposition received 9/7/11		LGC	Completed
STRUC	1	CONS	903		Temporary Tents		21 documents sent to the CBO on 12/22/11. Response required disposition received 1/12/12. Partial response sent to the CBO on 1/26/12. Response required disposition received 1/31/12. Sent response to CBO comments to the CBO on 2/16/12. Response required disposition received 2/21/12. Sent three documents to the CBO on 3/1/12. Response required disposition received 3/14/12		LGC	Completed
STRUC	2	CONS	x		The project owner shall submit to the CBO the following documents related to work that has undergone CBO design review and approval: 1. Concrete cylinder strength test reports 2. Concrete pour sign-off sheets; 3. Bolt torque inspection reports 4. Field weld inspection reports; and 5. Reports covering other structural activities requiring special inspections shall be in accordance with the 2001 CBC	If a discrepancy is discovered in any of the STRUC-2 data, the project owner shall, within five days, prepare and submit an NCR describing the nature of the discrepancies and the proposed corrective action to the CBO, with a copy of the transmittal letter to the CPM.	Upon discovery of data discrepancy	5	LGC	Tracking
STRUC	2	CONS	x			Within five days of resolution of the NCR, the project owner shall submit a copy of the corrective action to the CBO and the CPM.	After receipt of NCR resolution	5	LGC	Tracking
STRUC	2	CONS				The project owner shall transmit a copy of the CBO's approval or disapproval of the corrective action to the CPM within 15 days.	After CBO action	5	LGC	Tracking

STRUC	3	CONS	x		The project owner shall submit to the CBO design changes to the final plans required by the 2001 CBC, and 2001 CBC Information on plans and specifications, including the revised drawings, specifications, calculations, and a complete description of, and supporting rationale for, the proposed changes, and shall give the CBO prior notice of the intended filing	On a schedule suitable to the CBO, 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.	As required by the CBO		LGC	Tracking
STRUC	3	CONS		MCR		The project owner shall notify the CPM, via the Monthly Compliance Report, when the CBO has approved the revised plans.	Randy Rose prepares monthly and provides to Rod Jones (Calpine)		LGC	Current
STRUC	4	CONS	x		Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts specified in Chapter 3, Table 3-E of the 2001 CBC shall, at a minimum, be designed to comply with the requirements of that Chapter.	At least 30 days (or project owner and CBO approved alternate timeframe) 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.	Prior to the installation of tanks/vessels	30	LGC	Tracking
STRUC	4	CONS		MCR		The project owner shall send copies of the CBO approvals of plan checks to the CPM in the following Monthly Compliance Report. 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	Randy Rose prepares monthly and provides to Rod Jones (Calpine)		LGC	Current
MECH										
MECH	1	CONS	x		The project owner shall submit, for CBO design review and approval, the proposed final design, specifications and calculations for each plant major piping and plumbing system listed in Facility Design Table 1, Condition of Certification GEN 2. The submittal shall also include applicable QA/QC procedures.	At least 30 days (or project owner and CBO approved alternative timeframe) prior to the start of any increment of major piping or plumbing construction listed in Facility Design 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 for the responsible mechanical engineer certifying compliance with the applicable LORS.	Prior to the start of any increment of major piping or plumbing construction	30	LGC	Current
MECH	1	CONS		MCR		Send the CPM a copy of the transmittal letter in the next Monthly Compliance Report			LGC	Current
MECH	1	CONS		MCR	Upon completion of construction of any such major piping or plumbing system, the project owner shall request the CBO's inspection approval of said construction.	The project owner shall transmit to the CPM, in the Monthly Compliance Report following completion of any inspection, a copy of the transmittal letter conveying the CBO's inspection approvals			LGC	Current
MECH	1		51		Mechanical Specification		Three specs sent to the CBO on 10/7/11. One spec sent to the CBO on 10/10/11. One spec sent to the CBO on 10/13/11. Five specs sent to the CBO on 10/25/11. Approved disposition received 11/2/11 for 404216, 405020, 405505. Approved with note disposition received 11/8/11 for 406001, 406003, 406011, 406002. Sent revised 406011 to the CBO on 12/12/11		LGC	Completed
MECH	1		300		Circulating Water System		Revised spec sent to the CBO on 7/1/11. 32 revised specs sent to the CBO on 7/29/11. Revised drawing sent to the CBO on 8/23/11. Approved disposition received 10/26/11		LGC	Completed
MECH	1		302		P&IDs		Conditionally approved by CBO 6/27. 22 revised drawings sent to the CBO on 8/15/11. Revised drawing sent to the CBO on 8/23/11. 11 drawings sent to the CBO on 10/17/11. Approved with notes disposition received 11/8/11 for steam. Approved with notes disposition received 12/1/11. 17 new and revised drawings sent to the CBO on 12/2/11. Approved with note disposition received 12/13/11. 21 documents were sent to the CBO on 12/19/11. Approved with note disposition received 12/20/11. Response required disposition received 1/10/12. DCN-031 was sent to the CBO on 1/10/12. Approved disposition received 1/18/12 for DCN-031. Approved with note disposition received 1/25/12. 15 new and revised drawings sent to the CBO on 2/9/12. Approved disposition received 2/21/12. Sent one drawing to the CBO on 2/29/12. Approved disposition received 2/29/12 for one drawing. Response to CBO comments sent to the CBO on 2/29/12. Approved disposition received 3/1/12. Sent new and revised drawings to the CBO on 3/3/12. Approved with note disposition received 3/7/12. Sent new and revised drawings to the CBO on 3/13/12. Sent one drawing to the CBO on 3/13/12. Approved disposition received 3/13/12		LGC	Completed

MECH	1		304		Revised Submittal Utility Reroute Plan		Approved with Note by COB 6/30. One revised drawing sent to the CBO on 9/22/11. One revised drawing sent to the CBO on 9/30/11. Six drawings sent to the CBO on 10/7/11. Approved disposition received 10/17/11	LGC	Completed
MECH	1		304		UG Piping		To the CBO on 9/23/11. 72 drawings sent to the CBO on 9/28/11. One drawing sent to the CBO on 10/6/11. Approved disposition received 10/13/11 for isometric. Info only disposition received 10/17/11 for DCN-007. One drawing sent to the CBO on 10/24/11. Cathodic disposition received 11/4/11 as conditionally approved. DCN-013 sent to the CBO on 11/9/11 and approved with comment disposition received 11/9/11. Approved with note disposition received 12/1/11 for one drawing. Revise and resubmit disposition received 12/1/11 for stub-up. DCN-020 sent to the CBO on 12/6/11, approved disposition as well. 29 documents were sent to the CBO on 12/20/11. DCN-013, DCN-007, DCN-003, DCN-020 sent to the CBO on 12/20/11. 86 drawings were sent to the CBO on 12/23/11. 28 documents were sent to the CBO on 12/28/11. Four revised drawings were sent to the CBO on 1/6/12. DCN-026 was sent to the CBO on 1/6/12. Seven revised drawings were sent to the CBO on 1/11/12. Approved disposition received 1/12/12. Approved disposition received 1/12/12 for DCN-026. DCN-036 sent to the CBO on 1/13/12. Approved disposition received 1/18/12. Approved disposition received 1/24/12. Approved disposition received 1/25/12. Information only disposition received 2/15/12 for all isometrics. Sent 22 drawings to the CBO on 2/15/12. Information only disposition received 2/23/12 for isometrics. Sent seven cathodic drawings to the CBO on 2/24/12. Approved disposition received 2/29/12. Sent revised drawings to the CBO on 3/8/12. Information only disposition received 3/14/12	LGC	Completed
MECH	1		305		Piping Stress Analysis Criteria, Piping Analysis Calculations		To the CBO on 8/26/11. Conditional approval disposition received 9/27/11	LGC	Completed
MECH	1		306		Modular Fabrication		To the CBO on 9/9/11. Information and records only disposition received 10/12/11	LGC	Completed
MECH	1		307		Platform Fabricator		To the CBO on 9/9/11. Information and records only disposition received 10/12/11	LGC	Completed
MECH	1		308		Repair Procedures		To the CBO on 9/16/11. Information only disposition received 10/17/11	LGC	Completed
MECH	1		310		Piping Line List		One drawing sent to the CBO on 11/4/11. Approved with note disposition received 11/30/11. One revised drawing sent to the CBO on 1/13/12. Information only disposition received 2/1/12	LGC	Completed
MECH	1		311		Piping Items		One document sent to the CBO on 12/16/11. Record and inspection only disposition received 1/9/12. Sent one drawing to the CBO on 2/11/12. Information only disposition received 2/15/12. Sent one document to the CBO on 2/21/12. Sent one document to the CBO on 2/23/12. Information only disposition received 2/23/12. Information only disposition received 2/29/12	LGC	Completed
MECH	1		313		Mechanical Equipment List		One document was sent to the CBO on 1/11/12. Information only disposition received 2/1/12	LGC	Completed
MECH	1		314		Stress Analysis for Critical Piping		Sent two documents to the CBO on 2/18/12	LGC	Completed
MECH	1		315		Aboveground Piping		40 drawings sent to the CBO on 2/22/12. Sent 43 drawings to the CBO on 2/24/12. Sent drawings to the CBO on 3/5/12. Sent 14 drawings to the CBO on 3/12/12	LGC	Completed
MECH	1		316		Vogt P&ID		8 documents were sent to the CBO on 2/27/12	LECEF/LGC	Completed
MECH	1		317		Pipe Supports		Sent one document to the CBO on 2/24/12. Approved disposition received 3/1/12	LGC	Completed
MECH	1		318		Piping Demolition		Sent documents to the CBO on 3/13/12	LGC	Completed

MECH	1		350		STG Piping Drawings		Sent documents to the CBO on 3/8/12		LGC	Completed
MECH	1		1000		FREP		To the CBO on 7/12/11. Disposition received 8/31/11, review stopped. RJ sent to the CBO on 2/6/12. Response required disposition received 3/8/12		LGC	Completed
MECH	1		1003		UG Fire Protection Test Package		To the CBO on 9/26/11. Review stopped disposition received 11/1/11		LGC	Completed
MECH	2	CONS	x		For all pressure vessels installed in the plant, the project owner shall submit to the CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by the applicable LORS.	At least 30 days (or project owner and CBO approved alternative timeframe) prior to the start of on-site fabrication or installation of any pressure vessel, the project owner shall submit to the CBO for review and approval, the documents listed in MECH-2 including a copy of the signed and stamped engineer's certification, with a copy of the transmittal letter to the CPM	Prior to the start of on-site fabrication or installation of any pressure vessel	30	LGC	Tracking
MECH	2	CONS	x	MCR	Upon completion of the installation of any pressure vessel, the project owner shall request the appropriate CBO and/or Cal-OSHA inspection of said installation.	The project owner shall transmit to the CPM, in the Monthly Compliance Report following completion of any inspection, a copy of the transmittal letter conveying the CBO's and/or Cal-OSHA inspection approvals.	Randy Rose prepares monthly and provides to Rod Jones (Calpine)		LGC	Tracking
MECH	3	CONS	x		The project owner shall submit to the CBO for design review and approval the design plans, specifications, calculations and quality control procedures for any heating, ventilating, air conditioning (HVAC) or refrigeration system. Packaged HVAC systems, shall be identified with the appropriate manufacturer's data sheets.	At least 30 days (or project owner and CBO approved alternative timeframe) 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.	Prior to the start of construction of any HVAC or refrigeration system	30	LGC	Tracking
MECH	3	CONS	x		Upon completion of any increment of construction, the project owner shall request the CBO's inspection and approval of said construction.		Hold Points		LGC	Tracking
<b>ELEC</b>										
ELEC	1	CONS	X		Prior to the start of any increment of electrical construction for electrical equipment and systems 480 volts and higher, listed below, with the exception of underground duct work and any physical layout drawings and drawings not related to code compliance and life safety, the project owner shall submit, for CBO design review and approval, the proposed final design, specifications and calculations	At least 30 days (or project owner and CBO approved alternative timeframe) prior to the start of each increment of electrical construction, the project owner shall submit to the CBO for design review and approval of the above listed documents.	Prior to start of each increment of electrical construction	30	LGC	Current
ELEC	1	CONS	X		The project owner shall request that the CBO inspect the installation to ensure compliance with the requirements of applicable LORS		Hold Points		LGC	Current
ELEC	1	CONS		MCR		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			LGC	Current
ELEC	1	CONS	51		Electrical Specifications		2 specs sent to the CBO on 10/5/11. One spec sent to the CBO on 10/6/11		LGC	Completed
ELEC	1	CONS	401		Grounding and Grounding Plans		Sent three documents to the CBO on 2/10/12. Information only disposition received 3/7/12		LGC	Completed

ELEC	1	CONS	402		Lighting Plans, Notes & Details		To the CBO on 9/2/11. Disposition received 9/8/11, response required. 9 documents sent to the CBO on 9/19/11. Approved disposition received 9/22/11 for docs sent on 9/19/11. 16 new and revised drawings sent to the CBO on 12/5/11. Sent one revised drawing to the CBO on 12/9/11. Approved disposition received 12/13/11. Four documents sent to the CBO on 12/20/11. Approved disposition received 1/10/12. Five documents were sent to the CBO on 1/20/12. One document sent to the CBO on 1/23/12. Approved disposition received 1/24/12. Sent one drawing to the CBO on 2/12/12. Approved disposition received 2/15/12. Sent one revised drawing to the CBO on 3/2/12. Approved disposition received 3/7/12		LGC	Completed
ELEC	1	CONS	403		Area Classification Plans		One drawing sent to the CBO on 11/4/11. Information only disposition received 12/14/11		LGC	Completed
ELEC	1	CONS	451		UG Duct Banks		To the CBO on 9/23/11. One sheet conditionally approved on 10/18/11. Sent 10 revised and new drawings to the CBO on 10/24/11. Approved disposition received 11/2/11		LGC	Completed
ELEC	1	CONS	902		Temporary Trailer Utilities		To the CBO on 8/2/11 and 8/29/11. Disposition received 9/8/11, response required. Approved disposition received 10/17/11 for DCN-001. Four drawings sent to the CBO on 11/11/11. Approved with comments disposition received 11/21/11 for 11/11/11 documents. Sent three revised drawings to the CBO on 12/9/11. Approved disposition received 12/14/11. Sent two revised drawings to the CBO 2/3/12. Approved disposition received 2/14/12		LGC	Completed
ELEC	1	CONS	950		Construction Lighting and Power		Two documents sent to the CBO on 12/22/11. Approved disposition received 1/25/12. Sent three drawings to the CBO on 3/2/12. Approved with note disposition received 3/13/12		LGC	Completed
<b>GENERAL CONDITIONS</b>										
COM	8	PC			Construction and Operation Security Plan	At least 14 days prior to commencing construction, the project owner shall submit a Security Plan for the construction phase	Prior to the start of construction	14	LGC	Completed
COM	8	CONS			Construction and Operation Security Plan	At least 30 days prior to the initial receipt of hazardous material on site, the project owner shall submit a Security Plan & Vulnerability Assessment for the operational phase.	Prior to receipt of hazardous materials	30	LGC	Tracking
<b>HAZARDOUS MATERIALS MANAGEMENT</b>										
HAZ	4	PRE-OP			The aqueous ammonia storage facility shall be designed to both the ASME Pressure Vessel Code and ANSI K61.6, or to API 620. In either case, the storage tank(s) shall be protected by a secondary containment basin capable of holding 110% of the primary container if a single container is used, or in the case of multiple containers, 150% of the volume of the largest container.	At least 60 days prior to delivery of aqueous ammonia to the facility that is specified for use in Phase 2 operations, the project owner shall submit final design drawings and specifications for the ammonia storage tank and secondary containment basin to the CPM for review and approval.	Prior to the delivery	60	LGC	Tracking
HAZ	6	PRE-OP			The project owner shall ensure that no combustible or flammable material is stored within 100 feet of the sulfuric acid tank.	At least 30 days prior to receipt of sulfuric acid on-site, the Project Owner shall provide to the CPM for review and approval copies of the facility design drawings showing the location of the sulfuric acid storage tank and the location of any tanks, drums, or piping containing any combustible or flammable material and the route by which such materials will be transported through the facility.	Prior to receipt of sulfuric acid	30	LGC	Tracking
HAZ	7	PRE-OP			The project owner shall direct all vendors delivering any hazardous material to the site to use only the route approved by the CPM (SR237 to Zanker Road to the facility) consistent with Condition TRANS-3.	At least 60 days prior to receipt of any hazardous materials onsite, the project owner shall submit to the CPM for review and approval, a copy of the letter to be mailed to the vendors. The letter shall state the required transportation route limitation.	Prior to receipt of any hazardous materials	60	LGC	Tracking
<b>NOISE AND VIBRATION</b>										
NOISE	4	CONS			The project owner shall equip steam blow piping with a temporary silencer that quiets the noise of steam blows to no greater than 89 dBA measured at a distance of 50 feet.	At least 15 days prior to the first steam blow, the project owner shall submit to the CPM drawings or other information describing the temporary steam blow silencer and the noise levels expected, and a description of the steam blow schedule.	Prior to the first steam blow	15	LGC	Tracking

NOISE	6	PRE-OP			The project design and implementation shall include appropriate noise mitigation measures adequate to ensure that operation of the project will not cause noise levels due to plant operation to exceed the values shown in NOISE-6. When the projects first achieves a sustained output of 80 percent or greater of rated capacity, the project owner shall conduct noise surveys as described in NOISE-6.	The survey shall take place within 30 days of the project first achieving a sustained output of 80 percent or greater of rated capacity.	After achieving a sustained output of 80 percent or greater of rated capacity	30	LGC	Tracking
NOISE	6	PRE-OP				Within 30 days after completing the survey, the project owner shall submit a summary report of the survey to the CPM. The report shall describe additional mitigation measures necessary to achieve compliance with the NOISE-6 limits.	After completing the survey	30	LGC	Tracking
NOISE	6	PRE-OP				When mitigation measures described in the summary report are in place, the project owner shall repeat the noise survey. Within 30 days after completing the new survey, the project owner shall submit to the CPM a summary report of the new noise survey.	After completing the new survey	30	LGC	Tracking
<b>PALEONTOLOGICAL RESOURCES</b>										
PAL	3	CONS		MCR	Each worker shall sign a Certification of Completion WEAP form indicating that they have received the training. A sticker that shall be placed on hard hats indicating that environmental training has been completed shall be provided to each worker that has completed the training.	Documentation for training of additional new employees shall be provided in subsequent Monthly Compliance Reports, as provided in the Certification of Completion WEAP form at the end of these conditions.	Randy Rose prepares monthly and provides to Rod Jones (Calpine)		LGC	Current
<b>SOCIOECONOMICS</b>										
SOCIO	1	PC			The project owner and its contractors and subcontractors shall recruit employees and procure materials and supplies within the Bay Area	At least 60 days prior to the start of construction, the project owner shall submit to the Energy Commission CPM copies of contractor, subcontractor, and vendor solicitations and guidelines stating hiring and procurement requirements and procedures.	Prior to the start of construction	60	LGC	Completed
SOCIO	1	CONS		MCR		The project owner shall notify the CPM in each Monthly Compliance Report of the reasons for any planned procurement of materials or hiring outside the Bay Area that will occur during the next two months.	Randy Rose prepares monthly and provides to Rod Jones (Calpine)		LGC	Current
<b>SOIL &amp; WATER RESOURCES</b>										
<b>TRAFFIC AND TRANSPORTATION</b>										
TRANS	2	CONS		MCR	The project owner shall comply with Caltrans and other affected jurisdictions' limitations on vehicle sizes and weights. In addition, the project owner or their contractor shall obtain necessary transportation permits from Caltrans and all relevant jurisdictions for roadway use.	In the Monthly Compliance Reports, the project owner shall submit copies of any oversize and overweight transportation permits received during that reporting period. 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.	Randy Rose prepares monthly and provides to Rod Jones (Calpine)		LGC	Current
TRANS	3	CONS		MCR	The project owner shall ensure that permits and/or licenses are secured from the CHP and Caltrans for the transport of all hazardous materials, and that all federal and state regulations for the transport of hazardous materials are observed. The project owner shall ensure that all heavy vehicles and vehicles transporting hazardous materials shall use the following route: from SR 237, exit northbound at Zanker Road, from Zanker turn right to enter the LECEF site via Thomas Foon Chew Way, the primary site access road	The project owner shall include in its <b>Monthly Compliance Reports during construction</b> and Annual Compliance Reports during operations copies of all permits and licenses acquired by the project owner concerning the transport of hazardous materials and copies of written documentation to transporters indicating the preferred route for delivery of hazardous materials.	Randy Rose prepares monthly and provides to Rod Jones (Calpine)		LGC	Current
TRANS	4	PC			Prior to the construction of the power plant and all related facilities, the project owner shall develop a parking and staging plan for all phases of project construction, to enforce a policy that all project related parking occurs onsite.	At least 30 days prior to the start of site mobilization, the project owner shall submit the plan to the City of San Jose Public Works staff for review and comment, and to the CPM for review and approval. The material submitted to the CPM shall include documentation of the City's review and comments.	Prior to the start of mobilization	30	LGC	Completed
TRANS	4	CONS		MCR		MCRs submitted to the CPM shall describe the project owner's actions to ensure that this condition is being met.	Randy Rose prepares monthly and provides to Rod Jones (Calpine)		LGC	Current
TRANS	5	OP			The project owner shall repair affected public rights-of-way (e.g., highway, road, bicycle path, pedestrian path, etc.) to original or near original condition that have been damaged due to construction activities conducted for the project and its associated facilities.	Within 60 calendar days after completion of construction, the project owner shall meet with the CPM, the affected local jurisdiction(s) and Caltrans (if applicable) to identify sections of the public right-of-way to be repaired, to establish a schedule to complete the repairs, and to receive approval for the action(s).	After completion of construction	60	LGC	Tracking
<b>TRANSMISSION LINE SAFETY AND NUISANCE</b>										

TLSN	1	CONS			The project owner shall build any future underground interconnection lines according to the requirements of CPUC's GO-128.	Thirty days before line-related ground disturbance, the project owner shall submit to the CPM a letter signed by a California registered electrical engineer affirming that the proposed line will be constructed according to the requirements of GO-128.	Prior to line-related ground disturbance	30	LGC	Tracking
TLSN	2	CONS			The project owner shall engage a qualified consultant to measure the strengths of the magnetic fields from PG&E to LECEF's switchyard. Measurements shall be made at the same points (identified as Points A, B, C, and D) for which calculated field strength measurements were provided by the Applicant.	The project owner shall file copies of the pre-and postenergization measurements with the CPM within 60 days after completion of the measurements.	After completion of the measurements	60	LGC	Tracking
TLSN	3	CONS			The project owner shall build the proposed overhead 230 kV interconnection lines according to the requirements of CPUC's GO-52, (and GO-128 if underground) Title 8, Section 2700 et seq. of the California Code of regulations, and PG&E's EMF reduction guidelines arising from CPUC Decision 93-11-013.	Thirty days before line-related ground disturbance, the project owner shall submit to the CPM a letter signed by a California registered electrical engineer affirming that the proposed line will be constructed according to the requirements noted above.	Prior to line-related ground disturbance	30	LGC	Tracking
<b>TRANSMISSION SYSTEM ENGINEERING</b>										
TSE	1	PC	X		The project owner shall furnish to the CPM and to the CBO a schedule of transmission facility design submittals, a Master Drawing List, a Master Specifications List, and a Major Equipment and Structure List.	At least 60 days (or a lesser number of days mutually agreed to by the project owner and the CBO) prior to the start of construction of transmission facilities, the project owner shall submit the schedule, a Master Drawing List, and a Master Specifications List to the CBO and to the CPM.	Prior to the start of construction of transmission facilities	60	LGC	Completed
TSE	1	CONS		MCR		The project owner shall provide schedule updates in the Monthly Compliance Report	Randy Rose prepares monthly and provides to Rod Jones (Calpine)		LGC	Current
TSE	2	PC	X		Prior to the start of construction the project owner shall assign an electrical engineer and at least one of each of the following to the project: A) a civil engineer; B) a geotechnical engineer or a civil engineer experienced and knowledgeable in the practice of soils engineering; C) a design engineer, who is either a structural engineer or a civil engineer fully competent and proficient in the design of power plant structures and equipment supports; or D) a mechanical engineer.	At least 30 days (or a lesser number of days mutually agreed to by the project owner and the CBO) prior to the start of rough grading, 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.	Prior to the start of rough grading	30	LGC	Completed
TSE	2	CONS				If any one of the designated engineers is subsequently reassigned or replaced, the project owner has five days in which to submit the names, qualifications and registration numbers of newly assigned engineers to the CBO for review and approval. The CPM shall be notified of CBO approval within five days of approval.	Prior to reassignment or replacement	5	LGC	Tracking
TSE	2	CONS	3			Tim Byrne resume and letter	To the CBO on 11/17/11		LGC	Completed
TSE	3	CONS	x		The project owner shall keep the CBO informed regarding the status of engineering design and construction. If any discrepancy in design and/or construction is discovered in any engineering work that has undergone CBO design review and approval, the project owner shall document the discrepancy and recommend corrective action.	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 within 15 days of receipt.	After CBO action	15	LGC	Tracking
TSE	3	CONS				If disapproved, the project owner shall advise the CPM, within five days, the reason for disapproval, and the revised corrective action required to obtain the CBO's approval.	After CBO disapproval	5	LGC	Tracking
TSE	4	CONS	X		For the power plant switchyard, outlet line and termination, the project owner shall not begin any increment of construction until plans for that increment have been approved by the CBO	At least 30 days (or a lesser number of days mutually agreed to by the project owner and the CBO) prior to the start of each increment of construction, 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	Prior to the start of each increment of construction	30	LGC	Tracking
TSE	4	CONS	X		The project owner shall request that the CBO inspect the installation to ensure compliance with the requirements of applicable LORS.		Hold Points		LGC	Current

TSE	4	CONS		MCR	Activities related to the power plant switchyard, outlet line and termination that are listed in TSE-4 shall be reported in the MCR.	Send the CPM a copy of the transmittal letter in the next Monthly Compliance Report	Randy Rose prepares monthly and provides to Rod Jones (Calpine)		LGC	Current
TSE	5	CONS	X		The project owner shall ensure that the design, construction and operation of the proposed transmission facilities will conform to all applicable LORS, including the requirements listed in TSE-5, as modified by subsequent amendment to the project license.	At least 60 days prior to the start of construction of transmission facilities (or a lesser number of days mutually agree to by the project owner and CBO), the project owner shall submit to the CBO for approval the items listed in TSE-5, as modified by subsequent amendment to the project license.	Prior to the start of construction of transmission facilities	60	LGC	Tracking
TSE	5	CONS	501		Switchyard Specifications and Data Sheets	At least 60 days prior to the start of construction of transmission facilities (or a lesser number of days mutually agree to by the project owner and CBO), the project owner shall submit to the CBO for approval the items listed in TSE-5, as modified by subsequent amendment to the project license.	Sent two documents to the CBO on 2/10/12. Response required disposition received 2/29/12. Response to CBO comments sent to the CBO on 3/14/12		LGC	Tracking
TSE	5	CONS	502		Switchyard One-Line Diagrams		Sent one drawing to the CBO on 2/27/12. Sent two drawings to the CBO on 3/12/12. Response required disposition received 3/13/12		LGC	Completed
TSE	5	CONS	503		Switchyard AC Schematics		Sent one drawing to the CBO on 2/27/12. Response required disposition received 3/13/12		LGC	Tracking
TSE	5	CONS	505		Switchyard Plan, GA, and Elevations		Sent two drawings to the CBO on 2/27/12. Response required disposition received 3/13/12		LGC	Completed
TSE	5	CONS	506		Underground Ductbank		Sent two documents to the CBO on 2/27/12. Approved disposition received 3/7/12		LGC	Completed
TSE	6	CONS	X		The project owner shall inform the CPM and CBO in writing of any impending changes, which may not conform to the requirements TSE-5 a) through g), and have not received CPM and CBO approval, and request approval to implement such changes. Construction involving changed equipment or substation configurations shall not begin without prior written approval of the changes by the CBO and CPM.	At least 60 days prior to the construction of transmission facilities, the project owner shall inform the CBO and the CPM in writing of any impending changes which may not conform to requirements of TSE-5 and request approval to implement such changes.	Prior to the start of construction of transmission facilities	60	LGC	Tracking
TSE	7	CONS			The project owner shall provide Notice to the Cal-ISO and PG&E prior to synchronizing the facility with the California transmission system	The project owner shall provide copies of the Cal-ISO letter to the CPM and PG&E when it is sent to the Cal-ISO one (1) week prior to initial synchronization with the grid.	Prior to initial synchronization with the grid	7	LGC	Tracking
TSE	7	CONS				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 at least one business day prior to synchronizing the facility with the grid for testing.	Prior to synchronizing the facility with the grid	1	LGC	Tracking
TSE	7	CONS				A report of conversation with the Cal-ISO shall be provided electronically to the CPM one (1) day before synchronizing the facility with the California transmission system for the first time.	Prior to initial synchronization with the grid	1	LGC	Tracking
TSE	8	CONS			The project owner shall be responsible for the inspection of the transmission facilities during and after project construction, and any subsequent CPM and CBO approved changes thereto	Within 60 days after first synchronization of the project, 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; b) An "as built" engineering description of the mechanical, structural, and civil portion of the transmission facilities; c) A summary of inspections of the completed transmission facilities, and identification of any nonconforming work and corrective actions taken. Documents to be signed and sealed by registered engineer as indicated in TSE-8	Prior to initial synchronization with the grid	60	LGC	Tracking
TSE	8	CONS			In case of non-conformance, the project owner shall inform the CPM and CBO in writing, within 10 days of discovering such non-conformance and describe the corrective actions to be taken		Upon discovery	10	LGC	Tracking

VISUAL RESOURCES										
VIS	1	PRE-OP			The project owner shall submit a plan to the CPM for review and approval and to the City of San Jose for review and comment for restoring the surface conditions of construction staging and storage areas. The plan shall include grading, contouring, and revegetation consistent with applicable plans. The project owner shall not implement the plan until receipt of written approval.	At least 45 days prior to beginning implementation of the surface restoration, the project owner shall submit the restoration plan to the CPM for review and approval and to the City of San Jose for review and comment.	Prior to beginning implementation of the surface restoration	45	LGC	Tracking
VIS	2	CONS			The project owner shall a) treat all project structures and buildings visible to the public in appropriate colors or hues that minimize visual intrusion and contrast by blending with the surrounding landscape, and b) ensure that those structures and buildings have surfaces that do not create glare. A specific treatment plan shall be developed for CPM approval to ensure that the proposed colors do not unduly contrast with the surrounding landscape colors. Prior to submittal of the plan to the CPM, the project owner shall submit the plan to the City of San Jose for review and comment. The project owner shall not perform the final treatment on any structures until receipt of approval of the treatment plan from the CPM.	At least 30 days prior to ordering the first structures that are color treated during manufacture, the project owner shall submit its proposed plan to the CPM for review and approval and to the City of San Jose for review and comment.	Prior to ordering the first structures that are color treated during manufacture	30	LGC	Tracking
VIS	2	CONS				Prior to the start of commercial operation of Phase 2, the project owner shall notify the CPM that all structures treated during manufacture and all structures treated in the field are ready for inspection.	Prior to the start of operation		LGC	Tracking
VIS	4	CONS	450		The project owner shall design and install all lighting such that light bulb and reflector glare is not visible from public viewing areas and illumination of the vicinity and the night sky is minimized during both project construction and operation. The project owner shall develop and submit lighting plans for construction and operation of the project to the CPM for review and approval and the City of San Jose for review and comment. Lighting shall not be installed before the plans are approved.	At least 15 days prior to installing the construction lighting, the project owner shall provide the construction lighting plans to the CPM for review and approval and the City of San Jose for review and comment.	To the CBO on 10/20/11. Disposition received 11/2/11, resubmit	15	LGC	Completed
VIS	4	CONS				At least 30 days before ordering the facility exterior lighting, the project owner shall provide the lighting plan to the CPM for review and approval and the City of San Jose for review and comment.	Prior to ordering the facility exterior lighting	30	LGC	Completed
VIS	4	CONS				The project owner shall notify the CPM within seven days of completing exterior lighting installation that the lighting is ready for inspection.	After completing exterior lighting installation	7	LGC	Completed
VIS	5	CONS			The project owner shall comply with the City of San Jose's requirements regarding signs visible to the public. In addition, the project owner shall install minimal signage, which shall be constructed of non-glare materials and unobtrusive colors.	At least 30 days prior to installing signage visible to the public, the project owner shall submit the plan to the CPM for review and approval and to the City of San Jose for review and comment.	Prior to installing signage visible to the public	30	LGC	Completed
VIS	5	CONS				The project owner shall notify the CPM within 7 days after completing installation of the signage that they are ready for inspection.	After completing installation of the signage	7	LGC	Tracking
WASTE MANAGEMENT										
WASTE	2		1203		TRC Soil and GW Report		Info to CBO only		LGC	Completed
WASTE	5	CONS		MCR	Both the project owner and its construction contractor shall obtain unique hazardous waste generator identification numbers from the Department of Toxic Substances Control prior to generating any hazardous waste.	The project owner and its construction contractor shall keep copies of the identification numbers on file at the project site and notify the CPM via the monthly compliance report of their receipt	Randy Rose prepares monthly and provides to Rod Jones (Calpine)		LGC	Current
WORKER SAFETY AND FIRE PROTECTION										
SAFETY	1	PC	1100		The project owner shall submit to the CPM an updated Project Construction Safety and Health Program containing: • Construction Injury and Illness Prevention Program; • Construction Safety Program; • Construction Personal Protective Equipment Program; • Construction Exposure Monitoring Program; • Construction Emergency Action Plan; and • Construction Fire Protection and Prevention Plan.	At least 30 days prior to the start of construction, the project owner shall submit to the CPM for review and approval a copy of the updated Project Construction Safety and Health Program.	Disposition received 7/13/11 as info only	30	LGC	Completed
SAFETY	1	PC			The Construction Fire Protection and Prevention Plan and the Emergency Action Plan shall be submitted to the City of San Jose Fire Dept. for review and comment prior to submittal to the CPM.	The project owner shall provide a letter from the City of San Jose Fire Dept. stating that they have reviewed and commented on the CFPPP and EAP.	Prior to the start of construction	30	LGC	Completed

SAFETY	3	PC			The project owner shall prepare and submit to the CPM an updated Operations Fire Prevention Plan describing the onsite fire protection system that will be provided in this project.	At least 30 days prior to the start of construction, the project owner shall submit to the City of San Jose Fire Department a copy of the final version of the Operations Fire Prevention Plan for review and comment and to the CPM for review and approval.	Prior to the start of construction	30	LGC	Completed
SAFETY	5	PC			The project owner shall provide a site Construction Safety Supervisor (CSS) who, by way of training and/or experience, is knowledgeable of power plant construction activities and relevant laws, ordinances, regulations, and standards, is capable of identifying workplace hazards relating to the specific operations, and has authority to take appropriate action.	At least 30 days prior to the start of site mobilization, the project owner shall submit to the CPM the name and qualifications of the CSS for review and approval.	Prior to the start of mobilization	30	LGC	Completed





