

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

Monthly Compliance Report #11

LOS ESTEROS CRITICAL ENERGY FACILITY, LLC

April 2012

For

California Energy Commission

**Los Esteros Critical Energy Facility, Phase 2
(03-AFC-2)
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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 27.97 % complete (cumulative through April 30, 2012) and construction is at 15.62 %.

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 with erecting the new HRSG duct sections and installing pipe rack foundation. Cooling Tower Depot, LECEF's vendor appears to be progressing nicely with building the six-cell cooling tower, and should finish this part of the project during the May/June time frame. The newest contractor onsite is ASCO pipe fitters who will be responsible for doing fabrication of the high energy pipe.

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

- Poured smaller pipe rack foundations
- Assembled third large crane at GSU enclosure
- Prepared for GSU delivery
- GSU and condenser module delivered
- Completed platform steel erection at Unit 3 and prefab of Unit 2 platform steel
- Completed installation of forms, rebar, and grounding at STG Maintenance Pad. Concrete placed April 23rd
- Condensate Pump Cans excavation was completed and the cans were set in excavation
- Flow fill was placed around cans

Work in Progress:

- Continue installation of forms, rebar, and embedments at Pipe Rack foundations north of the STG
- Continue installation of forms and rebar at STG Lube Oil Containment Foundation
- Continued installation of grounding rods and grounding grid around all Boiler Blowdown system (BBS) Sumps
- Continue installation of the Oily/Water Separator duct bank
- Continued fabrication and installation of new WWC piping at Units 1 and 4 BBS tank and BBS Sump locations. Performed static head test and holiday inspection on Unit 2 & 3 piping
- Continue installing and welding added anchor bolt chairs, stiffeners plates, and anchor bolts at existing SCR columns at all HRSG Units
- Continue receiving and setting Vogt HRSG Inlet Duct Sections and a Module Boxes-started receiving Unit 4. Continue welding on/off lifting lugs. Continue

- installation of inter-box spools casings, stiffener beams, burner elements, front plate assemblies, burner piping vertical headers, insulation, liners plates, and slide plates
- Continued welding down comer piping to HP & IP Steam drum nozzles on HRSG Unit 3
- Continue erecting scaffolds at HRSG's
- Continued completing bolt-ups and welding field seams at all HRSG inlet ducts. Continued welding field seams at Inlet Ducts and installing insulation
- Continue to layout for Large Bore Pipe Supports and staging, assembling, and erecting Platform Steel for HRSG Unit 3
- Condenser erection continues; set lower tube bundle and upper tube bundle. Continue fit-up and started welding at seams. Started fitting transition pieces together
- Continue installation of Cooling Tower; plume abatement coils, distribution piping and siding.
- Calpine continues to inventory all Vogt supplied material in laydown yard
- 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	A copy of the latest construction volume counts is attached

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.

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 April

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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April 2012**

Activity ID	Activity Name	OD	RD	TF	% Comp	Start	Finish	April 2012			May 2012							
								09	16	23	30	07	14					
CIVIL / STRUCTURAL / ARCHITECTURAL																		
GENERAL SITE WORK																		
CONCRETE																		
CS0OWS125	Complete BACKFILL /REPLACE STONE OIL WATER SEPERATOR FDN	2d	2d	291d	0%	24-Apr-12*	25-Apr-12											
MAJOR AND MISC STRUCTURAL CONCRETE																		
CONCRETE																		
CS0CN-F01	EXCAV for Cond Pmps Fdn/Set cans/Form/Rebar	20d	4d	31d	80%	09-Feb-12 A	26-Apr-12											
CS0RCKF120	New SW Piperack Fdn Section - Form/Rebar	10d	2d	311d	90%	23-Feb-12 A	24-Apr-12											
CS0STGF250	FORM/REBAR STG LUBE OIL UNIT slab on Grade	5d	8d	22d	0%	29-Mar-12 A	02-May-12											
CS0STGF230	EXCAV/FORM/REBAR STG MAINT PAD FOUNDATION	13d	0d		100%	17-Apr-12 A	20-Apr-12 A											
CS0RCKF200	New NE Piperack Fdn Section - Pour	1d	0d		100%	18-Apr-12 A	18-Apr-12 A											
CS0STGF240	POUR CONCRETE STG MAINT PAD	1d	1d	36d	0%	23-Apr-12	23-Apr-12											
CS0RCKF110	New Piperack Fdns Backfill	10d	10d	32d	0%	23-Apr-12	04-May-12											
CS0STGF240A	BACKFILL CONCRETE STG MAINT PAD	3d	3d	36d	0%	26-Apr-12	30-Apr-12											
CS0CN-F03	POUR CONCRETE COND PUMPS (Cans)	1d	1d	31d	0%	27-Apr-12	27-Apr-12											
CS3HRSG100	FORM/REBAR HRSG#3 & #2 BLOWDOWN TANK FDN	10d	10d	-3d	0%	30-Apr-12*	11-May-12											
CS0CN-F02	Form/Rebar for Cond Pumps Fdn Slab on Grade and Walls	4d	4d	31d	0%	30-Apr-12*	03-May-12											
CS0CN-F94	Exc/Form/Rebar Sample Cooler Concrete	10d	10d	19d	0%	01-May-12*	14-May-12											
CS0RCKF130	New SW Piperack Fdn Section - Pour	1d	1d	306d	0%	02-May-12*	02-May-12											
CS0SWAF01	EXCAV/FORM/REBAR SAMPLE PANEL FDN	8d	8d	24d	0%	03-May-12*	14-May-12											
CS0PDC1100	EXCAV/FORM/REBAR STG PDC FNDN	6d	6d	0d	0%	03-May-12	10-May-12											
CS0STGF244	POUR CONCRETE STG LUBE OIL UNIT Slab on Grade	1d	1d	22d	0%	03-May-12	03-May-12											
CS0CN-F100	Pour Concrete Cond Pumps Fdn Slab on Grade and Walls	1d	1d	31d	0%	04-May-12	04-May-12											
CS4HRSG100	FORM/REBAR HRSG#4 & #1 BLOWDOWN TANK FDN	10d	10d	3d	0%	07-May-12*	18-May-12											
CS0CF2000	EXCAV/FORM/REBAR CYCLE CHEM FEED EQ FNDN	15d	15d	12d	0%	07-May-12*	25-May-12											
CS0CN-F04	BACKFILL CONCRETE COND PUMPS FOUNDATION	1d	1d	31d	0%	07-May-12	07-May-12											
CS0CN-F34	Exc/Form/Rebar OWS Slab on Grade	10d	10d	16d	0%	07-May-12*	18-May-12											
CS0STGF252	FORM/REBAR STG LUBE OIL UNIT Walls and Piers	5d	5d	22d	0%	07-May-12	11-May-12											
CS0AUXB099	EXCAV/FORM/REBAR FNDN ELEC STM BOILER GA - Item #71	15d	15d	7d	0%	14-May-12*	04-Jun-12											
CS3HRSG101	POUR CONCRETE HRSG#3 & #2 BLOWDOWN TANK FDN	1d	1d	-3d	0%	14-May-12	14-May-12											
CS0STGF402	EXCAV/FORM/REBAR CONDENSER VACCUM PUMP FOUNDATION	6d	6d	16d	0%	14-May-12*	21-May-12											
CS0RCKF180	New SE Piperack Fdn Section - Form/Rebar	10d	10d	288d	0%	14-May-12*	25-May-12											
CS0STGF249	POUR CONCRETE STG LUBE OIL UNIT Walls and Piers	1d	1d	22d	0%	14-May-12	14-May-12											
CS0SWAF02	POUR CONCRETE SAMPLE PANEL FDN	1d	1d	24d	0%	15-May-12	15-May-12											
CS0PDC1105	POUR CONCRETE STG PDC FNDN	1d	1d	-2d	0%	15-May-12	15-May-12											
CS0CN-F104	Pour Sample Cooler Concrete	1d	1d	19d	0%	15-May-12	15-May-12											
CS0SWAF03	BACKFILL SAMPLE PANEL FDN	1d	1d	24d	0%	16-May-12	16-May-12											

■ Remaining Level of Effort ■ Remaining Work
■ Actual Work ■ Critical Remaining Work

Activity ID	Activity Name	OD	RD	TF	% Comp	Start	Finish	April 2012			May 2012			
								09	16	23	30	07	14	
CS3HRSG101A	BACKFILL CONCRETE HRSG#3 & #2 BLOWDOWN TANK FDN	1d	1d	-3d	0%	16-May-12	16-May-12							
CS0STGF244A	BACKFILL CONCRETE STG LUBE OIL UNIT FOUNDATION	3d	3d	22d	0%	16-May-12	18-May-12							
CS0STGF240A10	BACKFILL CONCRETE STG Crane PAD	3d	3d	22d	0%	16-May-12*	18-May-12							
CS0PDC1110	FORM/REBAR STG PDC PEDESTALS	10d	10d	-2d	0%	17-May-12	31-May-12							
CS0CF-1050	EXCAV/FORM/REBAR CW CHEM FEED EQ FNDN	15d	15d	4d	0%	17-May-12	07-Jun-12							
PRE-ENGINEERED METAL BUILDINGS & INTERIOR FINISHES														
PRE-ENGR BLDGS														
CSKB1165	4200-014, PE Bldg - Site Mobilization per Sub Schd 3-19-12=>3-30-12	10d	10d	14d	0%	14-May-12*	25-May-12							
ABOVE GROUND BALANCE OF PLANT PIPING														
STRUCT STEEL														
CS0RCK100	ERECT UTIL RACK STRUCTSTEEL BETWEEN HRSG#3&2 (Including Finger Racks) - Ser	20d	20d	-3d	0%	17-May-12	14-Jun-12							
HRSG ERECTION														
INSTALL HRSG AND CONDENER														
No LE-WBS4														
CS4HRSG1201	HRSG4-Install Base Plates & A.B.'s All Bays	9d	1d	61d	8.89%	01-Mar-12 A	23-Apr-12							
CS1HRSG1201	HRSG1-Install Base Plates & A.B.'s All Bays	9d	0d		100%	02-Mar-12 A	17-Apr-12 A							
CS1HRSG1230	HRSG1-Install Ductwork Bay C - And Weldout	7d	0d		100%	23-Mar-12 A	17-Apr-12 A							
CS3HRSG1214	HRSG3-Install Ductburner Stairs & Platforms	6d	0d		100%	09-Apr-12 A	20-Apr-12 A							
CS3HRSG1250	HRSG3-Weld Boxes	9d	15d	90d	0%	10-Apr-12 A	11-May-12							
CS2HRSG1213	HRSG2-Install IP Drum	4d	0d		100%	17-Apr-12 A	18-Apr-12 A							
CS2HRSG1275	HRSG2 - Weldout Ductwork From Bay D to Module Box 1	10d	9d	136d	10%	20-Apr-12 A	03-May-12							
CS3HRSG1215	HRSG3-Install Continous Top Platform	8d	8d	75d	0%	23-Apr-12	02-May-12							
CS2HRSG1214	HRSG2-Install Ductburner Stairs & Platforms	6d	6d	69d	0%	23-Apr-12	30-Apr-12							
CS4HRSG1210	HRSG4-Install Module Bay 1	2d	2d	60d	0%	23-Apr-12	24-Apr-12							
CS4HRSG1208	HRSG4-Install Module Bay 2	2d	2d	60d	0%	24-Apr-12	25-Apr-12							
CS4HRSG1202	HRSG4-Install Module Bay 5	2d	2d	60d	0%	25-Apr-12	26-Apr-12							
CS4HRSG1275	HRSG4 - Weldout Ductwork From Bay D to Module Box 1	10d	10d	133d	0%	25-Apr-12	08-May-12							
CS4HRSG1203	HRSG4-Install Module Bay 4	2d	2d	60d	0%	26-Apr-12	27-Apr-12							
CS2HRSG1250	HRSG2-Weld Boxes	10d	10d	98d	0%	27-Apr-12*	10-May-12							
CS4HRSG1205	HRSG4-Install Module Bay 3	2d	2d	60d	0%	27-Apr-12	30-Apr-12							
CS1HRSG1210	HRSG1-Install Module Bay 1	2d	2d	60d	0%	30-Apr-12	01-May-12							
CS2HRSG1215	HRSG2-Install Continous Top Platform	8d	8d	69d	0%	01-May-12	10-May-12							
CS1HRSG1208	HRSG1-Install Module Bay 2	2d	2d	94d	0%	01-May-12	02-May-12							
CS4HRSG1212	HRSG4-Install HP Drum	4d	4d	60d	0%	02-May-12	07-May-12							
CS1HRSG1202	HRSG1-Install Module Bay 5	2d	2d	94d	0%	02-May-12	03-May-12							
CS1HRSG1212	HRSG1-Install HP Drum	4d	4d	66d	0%	02-May-12	07-May-12							
CS1HRSG1275	HRSG1 - Weldout Ductwork From Bay D to Module Box 1	10d	10d	128d	0%	02-May-12	15-May-12							

■ Remaining Level of Effort ■ Remaining Work
■ Actual Work ■ Critical Remaining Work

Activity ID	Activity Name	OD	RD	TF	% Comp	Start	Finish	April 2012			May 2012			
								09	16	23	30	07	14	
CS3HRSG1216	HRSG3-Install HP Drum Platform/Ladder Steel	2d	2d	75d	0%	03-May-12	04-May-12							
CS1HRSG1203	HRSG1-Install Module Bay 4	2d	2d	94d	0%	03-May-12	04-May-12							
CS1HRSG1205	HRSG1-Install Module Bay 3	2d	2d	94d	0%	04-May-12	07-May-12							
CS3HRSG1217	HRSG3-Install IP Drum Platform/Ladder Steel	2d	2d	75d	0%	07-May-12	08-May-12							
CS4HRSG1213	HRSG4-Install IP Drum	4d	4d	60d	0%	08-May-12	11-May-12							
CS1HRSG1213	HRSG1-Install IP Drum	4d	4d	66d	0%	08-May-12	11-May-12							
CS4HRSG1250	HRSG4-Weld Boxes	10d	10d	99d	0%	08-May-12	21-May-12							
CS3HRSG1221	HRSG3-Install Non-Code Piping/Vents/Drains	54d	54d	75d	0%	09-May-12	25-Jul-12							
CS3HRSG1222	HRSG3-Install HP Silencer & Supt Steel	5d	5d	92d	0%	09-May-12	15-May-12							
CS2HRSG1204	HRSG2-Install Insul/Liner Bay 5 to 4	4d	4d	98d	0%	11-May-12	16-May-12							
CS2HRSG1216	HRSG2-Install HP Drum Platform/Ladder Steel	2d	2d	69d	0%	11-May-12	14-May-12							
CS3HRSG1204	HRSG3-Install Insul/Liner Bay 5 to 4	9d	9d	90d	0%	14-May-12*	24-May-12							
CS4HRSG1214	HRSG4-Install Ductburner Stairs & Platforms	6d	6d	60d	0%	14-May-12	21-May-12							
CS1HRSG1214	HRSG1-Install Ductburner Stairs & Platforms	6d	6d	66d	0%	14-May-12	21-May-12							
CS2HRSG1217	HRSG2-Install IP Drum Platform/Ladder Steel	2d	2d	69d	0%	15-May-12	16-May-12							
CS1HRSG1250	HRSG1-Weld Boxes	10d	10d	94d	0%	15-May-12	29-May-12							
CS3HRSG1218	HRSG3-Install HP Code Piping	27d	27d	100d	0%	16-May-12	22-Jun-12							
CS3HRSG1223	HRSG3-Install IP Silencer & Supt Steel	5d	5d	92d	0%	16-May-12	22-May-12							
CS3HRSG1219	HRSG3-Install RH Code Piping	27d	27d	115d	0%	17-May-12	25-Jun-12							
CS3HRSG1220	HRSG3-Install IP Code Piping	27d	27d	110d	0%	17-May-12	25-Jun-12							
CS2HRSG1206	HRSG2-Install Insul/Liner Bay 4 to 3	4d	4d	98d	0%	17-May-12	22-May-12							
CS2HRSG1221	HRSG2-Install Non-Code Piping/Vents/Drains	54d	54d	69d	0%	17-May-12	01-Aug-12							
CS2HRSG1222	HRSG2-Install HP Silencer & Supt Steel	5d	5d	72d	0%	17-May-12	23-May-12							

BOP MECHANICAL

INSTALL HRSG AND CONDENSER

BOP EQPT ERECTION

CS0CN-D1005	Unload Condenser Components	10d	0d		100%	11-Apr-12 A	25-Apr-12 A							
CS0CN-D1020	Install Condenser Hot Well	1d	0d		100%	13-Apr-12 A	20-Apr-12 A							
CS0CN-D1040	Set Condenser Bottom Bundle	7d	7d	73d	0%	24-Apr-12*	02-May-12							
CS0CN-D1030	Weld Condenser Hot Well Nozzels	2d	2d	71d	0%	30-Apr-12*	01-May-12							
CS0CN-D1050	Set Condenser Top Bundle	7d	7d	71d	0%	02-May-12	10-May-12							
CS0CN-D1060	Install Condenser Transition / Outlet Flange Assembly	11d	11d	71d	0%	08-May-12	22-May-12							

INSTALL STG AND BOP EQUIPMENT

BOP EQPT ERECTION

CS0CWQ1	SET CCW HT EXCHANGER	15d	15d	109d	0%	14-May-12*	04-Jun-12							
CS2HRSG134	SET HRSG#2 BLOWDOWN TANK & PUMPS	5d	5d	58d	0%	17-May-12	23-May-12							

Remaining Level of Effort
 Remaining Work
 Actual Work
 Critical Remaining Work

Activity ID	Activity Name	OD	RD	TF	% Comp	Start	Finish	April 2012			May 2012		
								09	16	23	30	07	14
PIPING													
UNDERGROUND PIPING SYSTEMS													
UG PIPING													
CS0WW-U02	INSTALL U/G WW PIPING-STG / OWS AREA TO PROC SUMP	50d	10d	16d	15%	02-Nov-11 A	04-May-12	[Actual Work]			[Remaining Level of Effort]		
CS0BVDU10	FAB & INSTALL U/G BBS PIPING	30d	20d	32d	50%	09-Jan-12 A	18-May-12	[Actual Work]			[Remaining Level of Effort]		
CS0WW-U03	INSTALL U/G WW PIPING-EXISTING CTWR AREA TO CW CF SKID	30d	30d	4d	0%	17-May-12	28-Jun-12				[Remaining Level of Effort]		
CS0CF-U11	INSTALL U/G CF PIPING-CW CF SKID TO COOLING TOWER	20d	20d	14d	0%	17-May-12	14-Jun-12				[Remaining Level of Effort]		
ABOVE GROUND BALANCE OF PLANT PIPING													
No LE-WBS4													
CSK211655	4400-004, AG BOP PIPING - Site Mobilization	5d	5d	5d	0%	30-Apr-12*	04-May-12				[Remaining Level of Effort]		
ELECTRICAL / INSTRUMENTATION													
UNDERGROUND ELECTRICAL SYSTEMS													
UG ELECT DUCTBANK													
CS0GND1E10	GND-0-1 - INSTALL GROUND GRID	40d	27d	50d	70%	15-Jan-12 A	30-May-12	[Actual Work]			[Remaining Level of Effort]		
CS0DB1400	UG DUCTBANK - EXCAVATE PDC 5 TO O/W SEPERATOR	4d	0d		100%	18-Apr-12 A	19-Apr-12 A	[Actual Work]					
CS0DB1420	UG DUCTBANK - INSTALL UG CONDUIT PDC 5 TO O/W SEPERATOR	4d	2d	9d	0%	20-Apr-12 A	24-Apr-12	[Actual Work]			[Remaining Level of Effort]		
CS0DB1430	UG DUCTBANK - POUR CONCRETE PDC 5 TO O/W SEPERATOR	1d	1d	9d	0%	25-Apr-12	25-Apr-12	[Actual Work]			[Remaining Level of Effort]		
CS0DB1430A	UG DUCTBANK - CURE CONCRETE PDC 5 TO O/W SEPERATOR	3d	3d	13d	0%	25-Apr-12	28-Apr-12	[Actual Work]			[Remaining Level of Effort]		
CS0DB1440	UG DUCTBANK - BACKFILL / REPLACE STONE PDC 5 TO O/W SEPERATOR	2d	2d	10d	0%	26-Apr-12	30-Apr-12	[Actual Work]			[Remaining Level of Effort]		
TRANSMISSION / SWITCHYARD													
ELECTRICAL SWITCHYARD AND TRANSMISSION SYSTEMS (FURNISH AND ERECT)													
SWITCHYARD													
CS0SWY160	Approval From PG&E to Calpine for CH2M to Construct HV Term Stands & Trenching in PG	0d	0d	96d	0%	15-May-12*					[Critical Remaining Work]		

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

**CONDITION OF CERTIFICATION
GEN-3**

**Los Esteros Critical Energy Facility, Phase 2
Monthly Compliance Report #11
April 2012**

Rod Jones

From: Donald C Wimberly <dwimberly@aimscorp.com>
Sent: Monday, May 07, 2012 10:32 AM
To: Rod Jones
Subject: RE: Receipt of CBO Payment for April 2012

Rod

AIMS has received payment for April 2012 Delegate CBO services.

Donald C. Wimberly, P.E.
Delegate CBO
Cell: 408-930-4066
Email: dwimberly@aimscorp.com

From: Rod Jones [<mailto:Rodney.Jones@calpine.com>]
Sent: Monday, May 07, 2012 8:06 AM
To: dwimberly@aimscorp.com
Subject: RE: Receipt of CBO Payment for April 2012

Hi Don,

Per COC GEN-3, please confirm if you have received payment from Calpine for April 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)

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**CONDITION OF CERTIFICATION
GEN-6**

**Los Esteros Critical Energy Facility, Phase 2
Monthly Compliance Report #11
April 2012**



DISPOSITION

April 25, 2012

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

CBO COC: GEN-6
CBO Package No: CBO-052

Review Subject: Special Inspectors

Applicable Documents: Ted Shoecraft Resume (from Trans 03258)

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

Sincerely,

Donald C. Wimberly
Delegate CBO

Sent to Distribution List



DISPOSITION

April 11, 2012

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

CBO COC: GEN-6
CBO Package No: CBO-052

Review Subject: Special Inspectors

Applicable Documents: All documents listed per Transmittal 03258

INFORMATION ONLY

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

Sincerely,

Donald C. Wimberly
Delegate CBO

Sent to Distribution List

Special Inspectors												
No.	Company	Name	CBO Status	Soil Inspection	Concrete Testing	Reinforced Concrete	Structural Steel/Welding	Spray Applied Fireproofing	Pre-stressed Concrete	Structural Masonry	Drilled-in Hilti anchor bolts	
California Building Code Section				1707.7	1704.4	1704.4						
1	CMT	Gary Klopson	Approved	YES	YES	YES	YES	NO	NO	NO	YES	
2	Signet	Cesar Ramirez	Approved	NO	YES	NO	NO	NO	NO	NO	NO	
3	Signet	Dennis Haney	Approved	YES	YES	NO	NO	NO	NO	NO	NO	
4	Signet	Jeff Flint	Approved	YES	YES	YES	YES	NO	NO	YES	NO	
5	Signet	Michael Bell	Approved	YES	YES	NO	NO	YES	NO	NO	NO	
6	Signet	Robert Bigford	Approved	NO	YES	YES	NO	NO	NO	NO	NO	
7	Signet	Howard Chippero	Approved	NO	YES	NO	NO	NO	NO	NO	NO	
8	Signet	Ken Dominguez	Approved	NO	YES	YES	NO	NO	YES	NO	NO	
9	CMT	Denise Corkill	Approved	YES	YES	YES	NO	NO	NO	NO	NO	
10	CMT	Sean Fuller	Approved	YES	NO	NO	NO	NO	NO	NO	NO	
11	CMT	Mark Hopkins	Approved	YES	NO	NO	NO	NO	NO	NO	NO	
12	CMT	David Knight	Approved	YES	YES	YES	YES	NO	NO	YES	YES	
13	CMT	Ted Shoecraft	Pending	NO	NO	NO	YES	NO	NO	NO	NO	
NOTES												
These are activities that are Special Inspections that will take place in 2012 and early 2013. This document will be completed for the remainder of the project and submitted for review well in advance of the remainder of project work being begun.												
<i>Matthew Carreras, PE</i> <i>4/6/12</i> <i>MATTHEW CARRERAS, PE</i> <i>RESIDENT ENGINEER</i>												

**CONDITION OF CERTIFICATION
CIVIL-3**

**Los Esteros Critical Energy Facility, Phase 2
Monthly Compliance Report #11
April 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	1	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	2	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	3	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	4	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	5	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	6	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	7	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	8	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	9	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	10	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	11	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	12	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	13	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	14	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	15	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	16	BFW Pump Foundation #3	HRSG #3	1/23/12	Concrete placed without freeze protection		1/23/2012	1/24/2012		
NADC	17	04051772A	HRSG #3	2.3.12	Existing areas of SCR were cut that should have been trimmed and saved.	repair				
Overaa	18		Cooling water exchanger	2/23/12	Anchor bolt off center by 12"	rework	2/27/2012	2/27/2012		
Overaa	19	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	20	V17455-ERND-020	HRSG Inlet Duct Columns	3/16/12	Welding without presence of Special Inspector		4/5/2012	4/11/2012	4/12/2012	4/12/2012
Harder Mechanical	21	V17456-DWND-001-01	HRSG Inlet Duct B-C section	3/19/12	Harder NCR H-028 - Welding vertical down with E7018	rework				
Overaa	22		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	23	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			
NADC	24		HRSG #3	4/4/12	Holes in CSR beams	repair	4/9/2012	4/18/2012		
Harder Mechanical	25	V17456-DWXD-504-00	HRSG #2	4/9/12	Harder NCR H-027 Bent beam	replace				
NADC	26	Deltak DWG 04051772 Sht. 6 of 29	HRSG #3	4/9/12	Duct F cut in wrong location	repair				

**CONDITION OF CERTIFICATION
STRUC-1**

**Los Esteros Critical Energy Facility, Phase 2
Monthly Compliance Report #11
April 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.

**CONDITION OF CERTIFICATION
MECH-1**

**Los Esteros Critical Energy Facility, Phase 2
Monthly Compliance Report #11
April 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 #11
April 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 #11
April 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 #11
April 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 April 2012
 - (3) any other documentation deemed necessary for the CPM and AQCMM to verify compliance with this condition
 - None noted for April 2012

**CONDITION OF CERTIFICATION
AQ-SC5**

**Los Esteros Critical Energy Facility, Phase 2
Monthly Compliance Report #11
April 2012**

CH2MHILL

Off-Road Construction Equipment											
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											
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	
F-150 Gray	8065	Ford	F-150	2011	250	NA	Gas	80	1,586	2,601.00	NA
F-150 White	8066	Ford	F-150	2011	250	NA	Gas	130	2,681	3,723.00	NA
Manuel Brothers											
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 #
NA											
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 Mile this Month	Total Miles for Project	
Utility truck	1FDAF56R28EB7645 2	Ford	F550	2007	250	NA	D	50	408	408	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	
Pickup	2GTEK13T961121 45	GMC	Sierra	2006	250	NA	G	65	1,376	5,527	NA
Pickup	1GCEC19078Z25 9145	Chevy	1500	2008	195HP/145.41K W	NA	G	35	705	1,184	NA
Pickup	1GCRCSE09BZ21 8388	Chevy	1500	2011	195HP/145.41K W	NA	G	13	255	255	NA
Harder											
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 #
Cart	Ranger	Polaris	500 EFI	2011	498cc	NA	diesel	10	17	25	NA
Light Plant	9	Kobota	night hawk	2011	35	NA	diesel	0	0	20	NA
Light Plant	4	Kobota	night hawk	2011	35	NA	diesel	10	20	70	NA
Generator 3/12	7350165	Red D Arc	70SS1	2010	87	NA	diesel	0	0	200	NA
Generator	NA1478B10071	Red D Arc	70SS1	2010	87	NA	diesel	0	0	51	NA
Generator	NA/7304780	Red D Arc	70SSJ	2008	102	NA	diesel	0	0	200	NA
Hoist Lift 360	28501	Hoist	P360	2005	152	2	Diesel	45	62	167	RJ3E48
Crane	3406	Manitowoc	999s3	2008	400	3	diesel	135	108	330	PK8K43
Crane	8246	Manitowoc	999s3	2000	390	3	diesel	105	73	275	MG8YK5
Crane	3626	Link-Belt	RTC 130	2010	300	2	diesel	120	88	280	DS5E97
Crane	3447	Manitowoc	M2250 III	2008	500	3	diesel	0	0	55	CT8S49
Crane	3177	Link-Belt	RTC 8050	2006	165	1	diesel	0	0	120	EM775
Crane	3631	Link-Belt	RTC 8065	2010	300	1	diesel	80	92	295	EK7M75
Manlift	10026318	Genie	125	2011	74	3	diesel	50	74	83	TN3K56
Manlift	10024923	JLG	135	2011	75	3	diesel	0	0	75	EL5G49
Manlift	1192989	Genie	S-85	2010	74	3	diesel	0	0	117	DP9C46
Manlift	1191340	Genie	S-85	2010	73.8	3	diesel	0	30	90	AD4L83
Manlift	397619	genie	Z 60/34	2010	48	3	diesel	0	0	20	XX8P73
Manlift	899152	genie	Z 60/35	2011	48	3	diesel	0	0	30	XX6L83
Manlift	887642	genie	Z 60/36	2011	48	3	diesel	0	0	20	WH5T59
Forklift	627069	Gradall	544D	2006	190	3	diesel	0	0	250	TG4G94
Forklift	912265	Skytrack	8042	2011	190	3	diesel	0	0	143	PN3J44
Forklift	629010	Skytrack	8042	2006	110	2	diesel	0	0	48	VH3R97
Welder 3/7	M210014	Red D Arc	D550K	2010	49.5	NA	diesel	0	0	0	NA
Welder 3/7	M210205	Red D Arc	502K	2010	49.5	NA	diesel	0	0	0	NA
Welder 3/5	M340012	Red D Arc	550K	2010	100	3	diesel	0	0	0	NA
Welder 3/7	YE-M040053	Red D Arc	550K	2010	49.5	NA	diesel	0	0	0	NA
Welder 3/7	YE-M470002	Red D Arc	550K	2010	49.5	NA	diesel	0	0	0	NA
Welder 3/12	YE-MMB340115	Red D Arc	550K	2010	49.5	NA	diesel	0	0	0	NA
Welder 3/12	M090005	Red D Arc	502K	2010	49.5	NA	diesel	0	0	0	NA
Welder	420167	Miller	500	2010	31.9	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	85	53	260	ANSX78
Skip Loader	TO2106J890072	John Deere	210J	2007	4.5L	3	Diesel	50	24	308	JA31363
Compactor	CD433LASNOO14	bomag	CP-433E	1994	4.4L	1	Diesel	60	40	109	JEGN66
Roller	CB224J22402866	Cat	CB-224E	2007	1.49L	3	Diesel	20	8	110	AL7T75
Mini Excavator	A93K13295	Bobcat	E35	2010	2.4L	3	Diesel	20	8	163	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	45	20	350	NA
Street Sweeper	5DW792	Athey	VA	1994	200	NA	Diesel	45	10	215	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	49	76	189	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											



April 26, 2012

Los Esteros HRSG & Cond Erection
LG Constructors
800 Thomas Foon Chew Way
San Jose, Ca 95134

To whom it may concern,

Harder Mechanical Contractors is in compliance with equipment maintenance and repair work done per the manufactures guide lines.

Thank you,

HARDER MECHANICAL CONTRACTORS, INC.

Dick Cunz

Dick Cunz
Site Superintendent



MANUEL BROS., INC.
General Engineering Contractor
A Quanta Services Company

April 26, 2012

LG Constructors
800 Thomas Foon Chew Way
San Jose, CA 95134

Attention: Tyler Deeds

Tyler,

This letter is to confirm that all of our equipment on the Los Esteros CEP site is current with regard to maintenance and repairs per manufacturer's guidelines.

If you have any questions, please do not hesitate to contact our office.

MBI

Patrick Day
Operations Manager

925 Highland Pointe Drive
Suite 380
Roseville, CA 95678
(530) 272-4213
FAX (530) 272-3815
License No. 380718



DURAN & VENABLES

GENERAL ENGINEERING CONTRACTORS

Since 1979

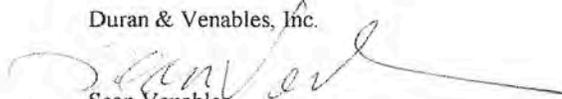
April 26, 2012

To whom it may concern:

The fleet maintenance practices of Duran & Venables, Inc. are consistent with those represented by the equipment manufacturer.

Should you have questions, please do not hesitate to contact us.

Duran & Venables, Inc.



Sean Venables
President

DURAN & VENABLES, INCORPORATED

746 South Hillview Drive, Milpitas, CA 95035 | T: 408-934-7300 | F: 408-934-7310 | www.duran-venables.com

9276 Beatty Drive, Suite B, Sacramento, CA 95826 | T: 916-498-9762 | F: 916-498-9219 | CA LIC.#376068-A



C. OVERAA & CO.

Craftsmanship • Innovation • Proven Results

April 26, 2012

To Whom It May Concern:

The fleet maintenance practices of C.Overaa & Co. are consistent with those represented by the equipment manufacturer.

Should you have any questions, please do not hesitate to contact us.

C. OVERAA & CO.

Matt Pedroni
Equipment Manager



DURAN & VENABLES

GENERAL ENGINEERING CONTRACTORS

Since 1979

Date: 4-27-2012

To whom it may concern:

All fuel distributed by Duran & Venables, Inc. field equipment maintenance is taken from a bulk fuel surplus located at Duran & Venables, Inc. 261 Bothelo Avenue, Milpitas, CA 95035. Therefore there are no receipts or invoices produced by Duran & Venables, Inc. employees during on site fueling.

Month of Operation: 4-2012

Fuel distribution 324 gallons

DURAN & VENABLES, INCORPORATED

748 South Hillview Drive, Milpitas, CA 95035 | T 408-934-7300 | F 408-934-7310 | www.duran-venables.com

9275 Beatty Drive, Suite B, Sacramento, CA 95826 | T 916-498-9762 | F 916-498-9219 | CA LIC.#375068-A

JOB 1
25150005400
X#55
Jeff Kanne

DORSET VALERO , L306685956801
170 DORSET DR
DIXON , CA
95628

04/26/2012 08:49:21 AM 193530477

XXXX XXXX XXXX 0302 Visa
KARNA/JEFFREY
INVOICE 096724
AUTH 043149

PUMPH 8	
DIESEL #2 CR	7.8726
PRICE/GAL	4.389
FUEL TOTAL	\$ 30.47

Subtotal = \$ 30.47
Tax = \$ 0.00

Total = \$ 30.47

CREDIT \$ 30.47
=====

APPROVED 043149
=====

JOB
25150005400
TRUCK 2612
Jeff Kanne

TRIMBLE 76 , 00035873
2591 SEABOARD AVE
SAN JOSE , CA

04/25/2012 05:52:01 PM 590899962

6207 WEX

INVOICE 174813
AUTH 00-272316
REF 960160425121748

PUMPH 2	
REGULAR	19.0416
PRICE/GAL	4.199
FUEL TOTAL	\$ 79.95

Subtotal = \$ 79.95
Tax = \$ 0.00

Total = \$ 79.95

CREDIT \$ 79.95
Batch: 96 Seq Num: 16
Term ID: 2
Vehicle Card Number: 34821
Workstation ID: 00
WANT FREE GAS?
REGISTER TO WIN AT
WWW.GASVISIT.COM

RON LORENZ
J#
25150005400X055
T# 3384

TRIMBLE 76 , 00035873
2591 SEABOARD AVE
SAN JOSE , CA

04/23/2012 04:57:29 PM 598898309

6287 WEX

INVOICE 165305
AUTH 00-215891
REF 690070423121653

PUMP# 1
REGULAR 17.2100
PRICE/GAL 4.199
FUEL TOTAL \$ 72.26

Subtotal = \$ 72.26
Tax = \$ 0.00

Total = \$ 72.26

CREDIT \$ 72.26
Batch: 69 Seq Num: 7
Term ID: 1
Vehicle Card Number: 43521
Workstation ID: 00
WANT FREE GAS?
REGISTER TO WIN AT
WWW.GASVISIT.COM

MANUEL BROS., INC.

MFLR _____

WEEKLY FUEL LOG AND VEHICLE INSPECTION REPORT

JOB FOREMAN _____

JOB NUMBER # _____

EMPLOYEE NAME TIM PLATNER

WEEK ENDING _____

Date	Equipment No. and Description <small>(note if equipment is rental)</small>	Location City and State	Odometer/Hour Reading	Fuel G/D	Gallons	Payment Type
4/16	PLATNER LEASE	MILPITAS, CA.	120517	G	20.072	W/E
4/20	"	ROCKLIN, CA	120836	G	21.239	W/E

LIST STATE TO STATE ODOMETER READINGS AND VEHICLE INSPECTIONS ON REVERSE SIDE OF CARD

PLEASE FORWARD TO MAIN OFFICE WITH WEEKLY TIME SHEETS

Card Processing Invoice

Overaa Construction
Account: 51895

Original Page: 2
Invoice Date: 04/15/2012
Invoice No: CFS 0477163

Date/Time	Card	Site	Product	Veh	Manual	Odometer	MPG	Units	Unit Price	Amount	
7553881 - OVERAA #13 Total								199.36		862.71	
<i>Dave Edwards</i>											
7553882 - OVERAA - NEW #6											
04/02/12	7:47	7553882	Richmond CA - 1942	Regular	0000	0	3.159	0.04	28.26	4.2799	120.85
04/03/12	6:55	7553882	Richmond CA - 1942	Regular	0000	0	3.145	0.00	4.29	4.2699	18.31
04/03/12	12:00	7553882	Richmond CA - 1942	Regular	0000	0	3.207	3.81	16.26	4.2699	69.45
04/04/12	7:09	7553882	Richmond CA - 1942	Regular	0000	0	3.217	0.71	14.07	4.2299	59.53
04/04/12	16:13	7553882	Richmond CA - 1942	Regular	0000	0	3.217	0.00	17.88	4.2200	75.63
04/08/12	6:16	7553882	Richmond CA - 1942	Regular	0000	0	3.162	0.00	9.19	4.2199	38.77
04/09/12	8:03	7553882	Richmond CA - 1942	Regular	0000	0	3.207	3.57	12.80	4.1999	52.91
04/10/12	7:42	7553882	Richmond CA - 1942	Regular	0000	0	3.217	0.84	11.94	4.2000	50.13
04/11/12	8:23	7553882	Richmond CA - 1942	Regular	0000	0	3.208	0.00	9.23	4.1899	38.86
04/12/12	7:27	7553882	Richmond CA - 1942	Regular	0000	0	3.223	0.71	21.11	4.1799	88.25
04/13/12	7:15	7553882	Richmond CA - 1942	Regular	0000	0	3.217	587.26	17.02	4.1799	71.13
7553882 - OVERAA - NEW #6 Total								161.85		683.72	
<i>Max Pedraza</i>											
7644936 - OVERAA NEW #11											
04/06/12	12:50	7644936	Richmond CA - 1942	Regular	0000	0	3.201	0.00	32.66	4.2199	137.80
7644936 - OVERAA NEW #12 Total								32.66		137.80	
<i>Eric Johnson</i>											
7827006 - OVERAA #3206											
04/04/12	6:01	7827006	Fremont CA - 1087	Diesel #2	0000	0	3.206	0.00	9.65	4.4599	43.05
04/04/12	6:07	7827006	Fremont CA - 1087	Regular	0000	0	3.206	0.00	29.77	4.2199	125.62
04/05/12	5:58	7827006	Fremont CA - 1087	Diesel #2	0000	0	3.206	0.00	9.95	4.4599	44.35
04/06/12	6:03	7827006	Fremont CA - 1087	Regular	0000	0	3.206	0.00	22.45	4.1999	94.27
04/09/12	8:49	7827006	Fremont CA - 1087	Diesel #2	0000	0	3.206	0.00	10.10	4.4399	44.83
04/09/12	8:54	7827006	Fremont CA - 1087	Regular	0000	0	3.206	0.00	18.50	4.1899	77.50
04/11/12	7:14	7827006	Fremont CA - 1087	Diesel #2	0000	0	3.206	0.00	9.80	4.4299	43.42
04/11/12	7:19	7827006	Fremont CA - 1087	Regular	0000	0	3.206	0.00	20.42	4.1799	85.33
04/13/12	6:05	7827006	Fremont CA - 1087	Diesel #2	0000	0	3.206	0.00	9.90	4.4299	43.87
04/13/12	6:10	7827006	Fremont CA - 1087	Regular	0000	0	3.206	0.00	14.44	4.1799	60.37
7827006 - OVERAA #3206 Total								154.97		652.61	
<i>Don Hillman</i>											
7972678 - 3155											
04/02/12	16:10	7972678	Atwater CA - 5669	Regular	0000	0	3.155	0.00	32.91	4.2399	139.65
04/04/12	16:10	7972678	Atwater CA - 5669	Regular	0000	0	3.155	0.00	32.60	4.2199	137.56
04/05/12	14:41	7972678	Atwater CA - 5669	Regular	0000	0	3.155	0.00	18.30	4.2199	77.73
04/06/12	11:07	7972678	Atwater CA - 5669	Regular	0000	0	3.155	0.00	23.09	4.1999	100.77
04/09/12	17:36	7972678	Atwater CA - 5669	Regular	0000	0	3.155	0.00	15.04	4.1999	63.18
04/10/12	6:42	7972678	Atwater CA - 5669	Regular	0000	0	3.155	0.00	21.51	4.1899	90.14
04/11/12	15:13	7972678	Atwater CA - 5669	Regular	0000	0	3.155	0.00	19.54	4.1699	81.46
04/13/12	13:53	7972678	Atwater CA - 5669	Regular	0000	0	3.155	0.00	17.60	4.1799	73.54
7972678 - 3155 Total								181.49		763.44	
<i>Jerry M.</i>											
8024582 - JERRY M											
04/02/12	17:13	8024582	Richmond CA - 1942	Diesel #2	0000	0	3.231	0.00	44.32	4.4599	197.67
04/04/12	17:12	8024582	Richmond CA - 1942	Diesel #2	0000	0	3.231	0.00	21.94	4.4599	97.86
04/04/12	17:15	8024582	Richmond CA - 1942	Diesel #2	0000	0	3.231	0.00	17.31	4.4599	75.84
04/09/12	5:01	8024582	Richmond CA - 1942	Diesel #2	0000	0	3.273	0.63	65.43	4.4399	294.94
04/09/12	16:21	8024582	Richmond CA - 1942	Diesel #2	0000	0	3.231	416.27	23.92	4.4399	106.21
04/11/12	16:53	8024582	Richmond CA - 1942	Diesel #2	0000	0	3.231	0.00	22.92	4.4199	101.31
04/13/12	11:40	8024582	Richmond CA - 1942	Diesel #2	0000	0	3.231	0.00	48.60	4.4199	214.79
8024582 - JERRY M Total								245.14		1,088.62	
<i>Barry Arden</i>											
8025752 - OVERAA #15											
04/04/12	10:03	8025752	Richmond CA - 1942	Diesel #2	0000	0	3.198	0.00	49.92	4.4599	222.62
04/10/12	9:31	8025752	Tracy CA - 5331	Diesel #2	0000	0	3.198	0.00	49.21	4.4099	217.67
8025752 - OVERAA #15 Total								99.13		439.63	
Card Transaction Totals								1,535.43		5,824.86	

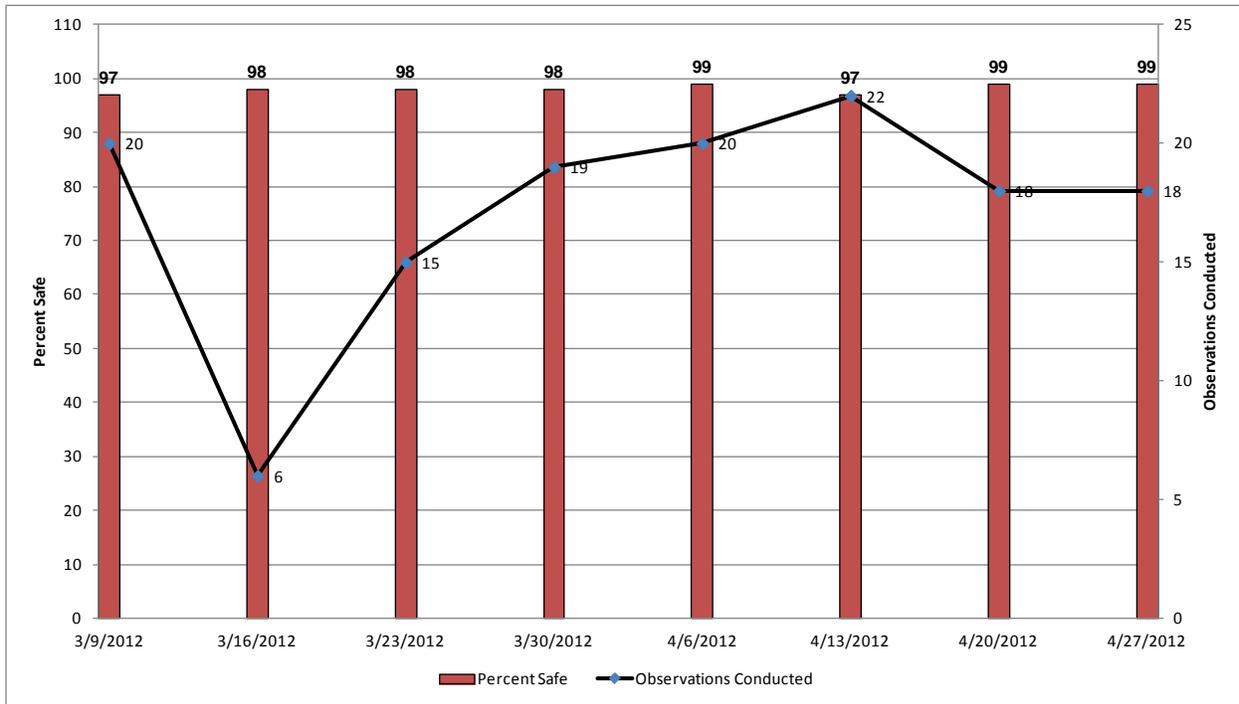
**CONDITION OF CERTIFICATION
WS-4**

**Los Esteros Critical Energy Facility, Phase 2
Monthly Compliance Report #11
April 2012**

Health, Safety, Security & Environment

Leading Safety Indicators				
Category	Month	YTD	PTD	Comments
HSSE Orientation	98	289	884	
Safe Behavior Observations	87	239	825	*See SBO Graph & Detail report for trends and category breakdown
SBO % Safe (SBOs ÷ Goal)				
Pre-Task Plans*	524	1240	2959	*See PTP Detail report for trends and category breakdown
Tasks Performed w/o PTP	0	0	0	
HSSE Audits	47	167	1029	
Audit Items (Past Target Date)	0	0	0	
Hot Work Permits	198	413	413	
Non-Permit Confined Space Entry Permits	131	184	184	
Safety Committee Meetings	4	16	54	
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	
4/20/12	First Aid	Harder	Moving gang box, hands slipped fell back hitting another gang box with back of neck. Obtain assistance moving something large and heavy.	
4/26/12	Property Damage	Overaa	Excavating trench for temp power to GSU struck 11/2" HDPE water line. Whenever something changes during an excavation: Stop, assess options and proceed with caution. Something has occurred that was not expected. Do not assume it will not occur the second time.	
HSSE Accomplishments/Activities/Concerns				
Eleven months and four weeks into LECEF Phase 2, LGC and subcontractors have experienced zero OSHA recordable incidents, 14 Near Misses, 5 First Aids, 7 Environmental Spills, and 3 Property Damage incidents.				

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



SBO Detail Last 8 Weeks – Category Breakdown

Week Ending	4/6/2012		4/13/2012		4/20/2012		4/27/2012		Last 8 weeks		Project Totals	
	Safe	At-Risk	Safe	At-Risk								
Aerial Lifts	4	0	6	0	2	0	4	0	31	0	77	0
Barricading	13	0	15	0	9	1	11	1	88	3	500	8
Body Positioning	19	0	21	0	17	0	15	0	126	1	655	4
Confined Space	3	0	5	0	3	0	5	0	19	0	150	0
Electrical	10	0	10	0	11	0	8	0	66	0	375	4
Excavations	3	0	4	0	1	0	2	0	34	0	343	1
Eye	19	0	21	1	18	0	18	0	135	2	668	12
Fall Protection	7	0	9	0	3	0	6	0	46	0	145	1
Foot	19	0	22	0	18	0	18	0	137	0	675	5
Hand	19	0	21	1	18	0	18	0	132	5	660	17
Head	18	1	22	0	18	0	18	0	136	1	674	6
Hearing	9	0	6	0	4	1	3	0	49	1	267	5
Housekeeping	18	1	22	0	17	0	17	0	130	3	657	8
Ladders	4	0	5	0	2	0	3	0	31	0	247	7
Lockout	5	0	1	0	1	0	1	0	15	0	122	0
Manual Lifting	14	0	14	0	13	0	14	0	97	0	601	0
Mobile Equipment	14	0	16	0	11	0	9	0	87	0	485	4
Other	0	0	1	1	0	0	0	0	1	2	10	5
Respiratory	0	0	1	0	1	0	1	0	5	0	33	0
Rigging	8	0	8	1	4	0	8	0	40	1	203	3
Scaffolds	4	0	3	0	2	0	2	0	18	0	68	0
Slip/Trip/Fall	16	0	19	1	13	0	13	0	112	2	638	10
Tools In Use	19	0	20	1	17	0	16	0	127	2	648	8
Work Permit	12	0	13	1	9	0	9	0	75	1	453	3
Totals	257	2	285	7	212	2	219	1	1737	24	9354	111
Percent Safe	99.00		97.00		99.00		99.00		98.00		98.00	

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

Week Ending	4/6/2012		4/13/2012		4/20/2012		4/27/2012		Last 8 weeks		Project Totals	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
Appropriately Signed	17	0	18	0	17	0	15	0	115	1	567	2
Hazards for Step Identified	17	0	17	1	17	0	15	0	114	2	567	2
Identified Hazards Adequately Mitigated	17	0	17	1	17	0	15	0	114	2	567	2
New/Changing Tasks Added to PTP	0	0	0	0	0	0	0	0	0	0	0	1
Potential Hazard Checklist Completed	17	0	18	0	17	0	15	0	115	1	568	1
PTP is Followed	17	0	18	0	17	0	15	0	114	2	567	2
PTP is Posted	17	0	18	0	17	0	15	0	115	1	568	1
Required PPE Listed	17	0	18	0	17	0	15	0	115	1	566	3
Steps to Complete Task Identified	17	0	17	1	17	0	15	0	114	2	567	2
Work Area Evaluation Completed	17	0	18	0	17	0	15	0	115	1	568	1
Totals	153	0	159	3	153	0	135	0	1031	13	5105	17

Week Ending	4/6/2012		4/13/2012		4/20/2012		4/27/2012		Last 8 weeks		Project Totals	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
Good PTP	17		17		17		15		113		563	
Inadequate PTP	0		1		0		0		2		6	
No PTP	0		0		0		0		1		1	
PTP Not Audited	3		4		1		3		22		112	
Percent Safe - Good PTP	100		94		100		100		97		98	

HSE Lagging Indicators

Employer	April - 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	A	E	R	I	D	C	A	C	M	N	V	A	E	I	D	C	A	C	M	N	V	A	E	I	D	C	A	C
LGC Staff	4,926	0	0	0	0	0.00	0	0.00	0	0.00	16,684	0	0	0	0	0.00	0	0.00	0	0.00	36,000	1	0	2	0	0.00	0	0.00	0	0.00
Overra	2,792	0	0	0	0	0.00	0	0.00	0	0.00	9,704	0	1	0	0	0.00	0	0.00	0	0.00	35,018	2	4	0	0	0.00	0	0.00	0	0.00
Harder	22,000	0	0	1	0	0.00	0	0.00	0	0.00	42,088	2	2	1	0	0.00	0	0.00	0	0.00	60,971	7	2	3	0	0.00	0	0.00	0	0.00
Kier-Wright	102	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
TRC		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	314	0	0	0	0	0.00	0	0.00	0	0.00
TLG	588	0	0	0	0	0.00	0	0.00	0	0.00	2,740	0	0	0	0	0.00	0	0.00	0	0.00	4,674	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	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	0.00	0	0.00	0	0.00	100	0	0	0	0	0.00	0	0.00	0	0.00
MJ Electric	2,466	0	0	0	0	0.00	0	0.00	0	0.00	8,082	0	0	0	0	0.00	0	0.00	0	0.00	9,579	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	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	0.00	0	0.00	0	0.00	965	0	0	0	0	0.00	0	0.00	0	0.00
CMT	505	0	0	0	0	0.00	0	0.00	0	0.00	1,151	0	0	0	0	0.00	0	0.00	0	0.00	2,134	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	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
		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	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	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	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	0.00	0	0.00	0	0.00
Project Totals (LGC)	33,379	0	0	1	0	0.00	0	0.00	0	0.00	86,596	3	3	1	0	0.00	0	0.00	0	0.00	157,947	11	7	5	0	0.00	0	0.00	0	0.00
CCMCI	832	0	0	0	0	0.00	0	0.00	0	0.00	3,660	0	0	0	0	0.00	0	0.00	0	0.00	9,007	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)	832	0	0	0	0	0.00	0	0.00	0	0.00	13,347	0	0	0	0	0.00	0	0.00	0	0.00	23,891	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	0.00	0	0.00	0	0.00	0	0	0	0	0	0.00	0	0.00	0	0.00
Project Totals (Combined)	34,211	0	0	1	0	0.00	0	0.00	0	0.00	99,943	3	3	1	0	0.00	0	0.00	0	0.00	181,838	14	7	5	0	0.00	0	0.00	0	0.00

EAST BAY SAFETY, Inc.

Safety Observation Report

Date: 4/2/2012

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.

Overall Observations:

Cooling Tower Depot: Lift in progress. (Picture 1)

Box 2, lift in progress at Unit 2. (Picture 2)

Condensate Pump Pit Excavation in progress. (Picture 3)

Warehouse Tent Erection in progress. (Picture 4)

Positive Observations:

Attended Safety Meeting: Topics: Value of Safety, six components of safety, enforcing safety practices, PPE-Gloves & Glasses, Smoking Policy, Housekeeping, Zero Tolerance re: project rules, properly dispose banding material, bees, wasps and spiders, spot awards handed out.

Red barricade tape and restricted admittance tags in use at critical lift area.



1



2



3



4

Safety Procedures & Practices:

Confined Space Certificates and Hot Work Permits in use at blow Down Sumps East & West.

Fire watch in place (Picture 5)



5

Bill Bellin

4/2/2012

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: 4/9/2012

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.

Overall Observations:

Cooling Tower Depot: Lift in progress. (Picture 1)

Inlet duct #3 assembly in progress. (Picture 2)

Rebar placement in progress at south side of st slab & slab at pipe rack area at north side of STG (Pictures 3 & 4)



1



2



3



4

Witnessed the following:

After Harder employees set a perimeter stair section on a pallet and released the load, the released rigging swung close to a Harder employees head. This was also witnessed by the crane operator. Gary Brown notified. (Picture 5)



5

Positive Observations:

Attended Safety Meeting: Topics: Value of Safety, parking/fire zone policy, incident reporting policy, housekeeping/debris, barricades, heat illness, responsibilities of safety, spot awards, scaffold tag policy, fork lift operators fork policy, smoking policy, fire extinguisher policy, stair tower policy, hand rail policy, bee sting incident.

Red barricade tape & hot work permits in use.

Scaffold tags in use.

Safety Procedures & Practices:

Walked the site with Gary Brown and discussed the following:

Harder rigging issue.

Site conditions, barricades, near miss policy & bee sting incident and control.

Bill Bellin

4/9/2012

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: 4/23/2012

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.

Overall Observations:

Cooling Tower Depot Assembly in progress.

Inlet duct #3 assembly in progress. (Picture 1)

Blow Down Sump Vault: Welding in progress. Confined space certificate, rescue equipment, air monitoring & air circulation in use. (Picture 2)

HRS Unit #4 Box 1 lift in progress. Barricades and danger tags in use. (Pictures 3 & 4)

Rebar and wire mesh placement in progress in slab at pipe rack area at north side of STG. (Picture 5)

Witnessed a Harder employee welding in a Blow Down Sump Vault without proper PPE (hard hat). Gary Brown notified. Gary notified Ralph Jefferson with Harder. (Picture 2)



Positive Observations:

Attended Safety Meeting: Topics: Value of Safety, recordable injury rate "0", safety training, drug-alcohol policy, fall protection policy, injury reporting policy, heat and hydration, traffic and pedestrians, violence policy, safety slogan contest and spot awards.

Safety Procedures & Practices:

Walked the site with Gary Brown and discussed the following:

Above observations, hard hat policy and variances, confined space policy, site conditions & barricades, critical lift policy including crane radius, barricades and spotters.

Attended HRS Unit #4 Box 1 pre lift meeting with Gary Brown.

Bill Bellin

4/23/2012

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: 4/30/2012

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.

Overall Observations:

Cooling Tower Depot Assembly in progress.

Inlet duct #3 assembly lift in progress. (Picture 1)

Blow Down Sump Vault: Pipe clamp assemble in progress. Confined space certificate, rescue equipment, air monitoring & air circulation in use. (Picture 2)

HRSG Unit #1 Box 1 lift in progress. Barricades and restricted admittance tags in use. (Picture 3)

Slab preparation at pipe rack area at north side of STG in progress. (Picture 4)

Slurry removal at Condensate Pump Cans in progress. (Picture 5)



Positive Observations:

Attended Safety Meeting: Topics: Value of Safety, Safety Committee Structure, upcoming increase in schedule and site employees, eye wash stations, transformer storage policy re: JLG space limits, pedestrian right of way policy, falling objects hazards, spot awards and safety slogan award.

Witnessed daily inspection of 65 ton RT Maxim Crane

Water truck in use.

Safety Procedures & Practices:

Walked the site with Gary Brown and discussed the following:

Above observations, site conditions, clean up crew, critical lift policy including crane capacities and load weights.

Attended HRSG Unit #1 Box 1 Pre Lift Meeting with Gary Brown. (Picture 6)



(Picture 6)

Bill Bellin

4/30/2012

Signature

Date

EAST BAY SAFETY, Inc.

bill@eastbaysafety.com

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

**CONDITION OF CERTIFICATION
BIO-2**

**Los Esteros Critical Energy Facility, Phase 2
Monthly Compliance Report #11
April 2012**

Biological Resources
Construction Monitoring for the
Los Esteros Critical Energy Facility

MONTHLY COMPLIANCE REPORT #11

April 2012

Prepared by:

CH2M HILL

2485 Natomas Park Drive, Suite 600

Sacramento, California 95833

Los Esteros Critical Energy Facility
MONTHLY COMPLIANCE REPORT

April 2012

TABLE OF CONTENTS

INTRODUCTION..... 3
MONITORED MITIGATION MEASURES AND PERMIT CONDITIONS 6
Conditions of Certification (COC) 6
SUMMARY OF SITE ACTIVITIES..... 8
Site Construction 8
Worker Environmental Awareness Training Program 8
General Daily Notes and Observations 8

APPENDICES

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

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 April 2012 (April 1 to April 30).

MONITORED MITIGATION MEASURES AND PERMIT CONDITIONS

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 April. The following COC's, BIO-2, 4, 8, and 11, were applicable compliance measures for the month of April 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 April 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 April 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 April. During the month of April 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 April 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 April. 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 28th and December 30th, 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 April at either of the burrows.

SUMMARY OF SITE ACTIVITIES

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

Site Construction

Construction in April included installation of the cooling towers, reconstruction of the HRSGs, underground piping and conduit installation, grading, trenching, backfilling of excavations and trenches, and expansion of the temporary laydown area. Monitoring visits by the DB and 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 73 personnel received WEAP training in April. 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 grading south of the temporary parking lot was completed on April 11th to accommodate additional construction equipment laydown. The laydown expansion work occurred within the larger 13-acre parcel previously identified by the project for parking and laydown. A survey conducted by the DB on April 10th found no active bird nests within the expanded area.

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. The monitoring efforts for April are documented below.

On April 2nd, the Environmental Manager Rod Jones noticed a pair of common ravens building a nest in Tower #1 of the existing HRSGs. The BM Danielle Tannourji was called and asked for permission to photograph the nest location. The BM approved the request and the construction crew photographed the nest and sent the documentation back to the BM via email (see photographs below). The BM confirmed that there were no eggs within the nest and suggested that the nest be removed. The crew removed the nest from Tower #1 in the afternoon of April 2nd. During this monitoring effort the LECEF project was in compliance with all biological resources COCs.

On April 10th, DB Todd Ellwood was on site to conduct a preconstruction survey of the proposed laydown expansion area. No nesting birds or other biological issues were observed during the survey. The DB remained onsite to monitor construction activities with the LECEF site. Ongoing site activities included installation of the cooling towers, underground piping and conduit installation, and construction of various above ground infrastructure. The road sweeper and water truck were used periodically throughout the site and the parking lot area, respectively. During this monitoring effort the LECEF project was in compliance with all biological resources COCs.

On April 16th, BM Danielle Tannourji was on site to monitor construction activities and expansion of the temporary laydown area. Ongoing site activities included continued installation of the cooling towers, underground piping and conduit installation, and construction of various above ground infrastructure. Grading at the laydown area went smoothly without any disturbances noted to the landscaping area north of the parking lot. The biological monitor observed no active bird nests. The road sweeper and water truck were used periodically throughout the site and the parking lot area, respectively. During this monitoring effort the LECEF project was in compliance with all biological resources COCs.

On April 26nd, BM Danielle Tannourji was on site to monitor construction activities. Ongoing site activities included continued installation of the cooling towers, underground piping and conduit installation, and construction of various above ground infrastructure. The road sweeper and water truck were used periodically throughout the site and the 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

Cumulative Wildlife Species Observed in or Near the LECEF Project Area

Common Name	Scientific Name	Comments
BIRDS		
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
MAMMALS		
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



#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 April 26, 2012.



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



#3. A view north of the common raven nest in Tower #1 of the existing HRSGs just before crews removed it. Photo was taken from a man-lift on April 2, 2012.



#4. A preconstruction view facing west of the proposed laydown expansion area surveyed for biological resources by the DB on April 10, 2012.



#5. A construction view facing west of the laydown expansion area being graveled.
Photo was taken on April 26, 2012.



#6. A view of the temporary soil stockpile along the eastern boundary of the work site.
Photo was taken on April 26, 2012.

**CONDITION OF CERTIFICATION
BIO-4**

**Los Esteros Critical Energy Facility, Phase 2
Monthly Compliance Report #11
April 2012**

BIO-4:

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

- ✓ 73
- ✓ Total to date = 663 (As of April 30, 2012)

**CONDITION OF CERTIFICATION
CUL-2**

**Los Esteros Critical Energy Facility, Phase 2
Monthly Compliance Report #11
April 2012**

Activity ID	Activity Name	OD	RD	Physical % Complete	Start	Finish	TF	2012												2013					
								A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J			
MILESTONES																									
CONTRACT MILESTONES																									
MILESTONES																									
MILESTONES																									
MS0100	WVWA AUTHORIZED / NETWORK BEGIN	0d	0d	100%	17-Jan-11 A																				
MS0102	LIMITED NOTICE TO PROCEED	0d	0d	100%	03-Feb-11 A																				
MS1000	SCHEDULED FULL NOTICE TO PROCEED	0d	0d	100%	15-Mar-11 A																				
MS1096	MEANINGFUL CONSTRUCTION ACHIEVED	0d	0d	100%		23-Jun-11 A																			
MS1085	NAT GAS AVAILABLE BY OWNER	0d	0d	0%		23-Nov-12	79d																		
MS1090G	GUARANTEED SUBSTANTIAL COMPLETION (6-1-13)	0d	0d	0%		27-May-13*	5d																		
MS1090D	SUBSTANTIAL COMPLETION - EXHIBIT D (6-1-13)	0d	0d	0%		27-May-13*	5d																		
PROJECT MILESTONES																									
MILESTONES																									
MILESTONES																									
MS0500	ENGR RELEASE	0d	0d	100%	03-Feb-11 A																				
MS0104	MOBILIZE TO PROJECT SITE	0d	0d	100%	09-May-11 A																				
MS1010	START CONSTRUCTION	0d	0d	100%	09-May-11 A																				
MS1010A	START MEANINGFUL CONSTRUCTION	0d	0d	100%	23-May-11 A																				
MS1095B	MEANINGFUL CONSTRUCTION UG CW PIPING	0d	0d	100%		17-Jun-11 A																			
MS1095a	MEANINGFUL CONSTRUCTION COOLING TOWER	0d	0d	100%		23-Jun-11 A																			
CS0CTWR1005	COOLING TOWER FNDN COMPLETE	0d	0d	100%		07-Oct-11 A																			
CS0CTWR1020	COOLING TOWER ERECTION START	0d	0d	100%	12-Oct-11 A																				
CS2RFF1	READY FOR RE-FIRE 3&2	0d	0d	0%		13-Feb-13	-11d																		
CS2RFF2	READY FOR RE-FIRE 4&1	0d	0d	0%		13-Feb-13	-3d																		
EP2106	STG INITIAL SYNC (First Roll)	0d	0d	0%		14-Apr-13	-26d																		
EP0090	TARGET SUBSTANTIAL COMPLETION (5-1-13)	0d	0d	0%		27-May-13*	-26d																		
MS9000	PROJECT DEMOBILIZATION	0d	0d	0%		09-Jul-13	0d																		
CALPINE																									
CALPINE PROVIDED EQUIPMENT																									
LNTF APPENDIX SUBMITTALS / DELIVERABLES																									
CBO-California Building Reviews																									
ENGINEERING																									
CIVIL																									
DESIGN PACKAGES																									
CIVIL																									
ENGINEERING PACKAGES																									
GEOTECHNICAL INVESTIGATIONS, STUDIES, AND RECOMMENDATIONS																									

Remaining Level of Effort
 Remaining Work
 Actual Work
 Critical Remaining Work

Activity ID	Activity Name	OD	RD	Physical % Complete	Start	Finish	TF	2012												2013											
								A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	II								
START UP AND COMMISSIONING PACKAGES																															
ELECTRICAL SYSTEM TESTING														█																	
INSTRUMENTATION & CONTROLS																															
DESIGN PACKAGES																															
MECHANICAL																															
INSTRUMENTATION & CONTROLS														█																	
BULK MATERIALS AND ENGINEERED ITEMS																															
DISTRIBUTED CONTROL SYSTEMS (DCS'S)														█												█					
SAMPLE AND ANALYSIS PANELS																															
CONTINUOUS EMISSIONS MONITORING SYSTEMS (CEMS)																															
FIBER OPTIC CABLES														█																	
FIELD MOUNTED INSTRUMENTS														█																	
IN-LINE INSTRUMENTATION														█																	
LEVEL INSTRUMENTATION														█																	
SAFETY AND PRESSURE RELIEF VALVES																															
PROCESS CONTROL VALVES AND REGULATORS																															
CONTROL VALVES - BUTTERFLY																															
CONTROL VALVES - OTHER VALVES																															
ON-OFF VALVES - BALL VALVES (SEVERE SERVICE)																															
ON-OFF VALVES - BALL/GLOBE/GATE VALVES (GENERAL SERVICE)																															
TRANSMISSION, DISTRIBUTION & SWITCHYARD																															
ENGINEERING PACKAGES																															
ELECTRICAL SWITCHYARD DESIGN														█												◆ ◆					
PROCUREMENT																															
PURCHASING																															
ENGINEERING PACKAGES																															
INITIAL SITE SURVEYING																															
HIGH ENERGY PIPING SYSTEM DESIGN																															
BULK MATERIALS AND ENGINEERED ITEMS																															
PROCUREMENT														█																	
REINFORCING STEEL														█																	
EMBEDDED STEEL ITEMS																															
BALANCE OF PLANT STRUCTURAL STEEL														█												◆ ◆ ◆ ◆					
PRECAST CONCRETE SUMPS																															
PACKAGED STEAM BOILERS														█																	
CHEMICAL FEED SKIDS														█																	
SHOP FABRICATED PRESSURE VESSELS														█																	
SHOP FABRICATED VESSELS - ATMOSPHERIC														█																	
AQUEOUS AMMONIA STORAGE														█																	
DUCTBURNER FILTER SEPRATOR														█																	

Remaining Level of Effort
 Remaining Work
 Actual Work
 Critical Remaining Work

Activity ID	Activity Name	OD	RD	Physical % Complete	Start	Finish	TF	2012												2013											
								A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J									
NON-ENGINEERED PIPE SUPPORTS																															
SAFETY SHOWERS AND EYE WASH STATIONS														[Green Bar]																	
STRAINERS - SELF CLEANING																															
STRAINERS - SIMPLEX AND DUPLEX														[Green Bar]																	
SHOP FABRICATED CRITICAL PIPING SB																															
SPECIALITY ITEMS																															
CONSTRUCTION PACKAGES																															
LEASING OF TEMPORARY OFFICE AND CRAFT FACILITIES (TRAILERS)																															
LEASING OF CONSTRUCTION WASTE DUMPSTERS INCL. DISPOSAL																															
LEASING OF CONSTRUCTION WASTE RECYCLING CONTAINERS AND SALE OF RECYCLED MATERIALS																															
LEASING OF TEMPORARY CHEMICAL TOILETS AND HANDWASH STATIONS (RENTAL AND SERVICE)																															
LEASING OF SITE PERSONNEL VEHICLES																															
LEASING OF FORKLIFT FOR WAREHOUSE OPERATIONS														[Green Bar]																	
DIGITAL CAMERA AND SUPPLIES																															
LYNX DIGITAL PHOTOGRAPHY MANAGEMENT SOFTWARE																															
FIRST AID CABINETS AND SUPPLIES																															
PROJECT SIGN																															
SAFETY SIGNAGE AND BANNERS																															
PROJECT DIRECTIONAL SIGNAGE																															
TEMPORARY GUARD SHACK																															
FIRE PROTECTION EQPT AND SUPPLIES																															
TEMPORARY ELECTRICAL																															
MISCELLANEOUS WAREHOUSE SUPPLIES (TARPS, DUNNAGE, TAPE, ETC)														[Green Bar]																	
TEMPORARY SITE SECURITY FENCEING AND GATES														[Green Bar]																	
SITE SECURITY SERVICES																															
CONSTRUCTION SURVEYING SUPPORT																															
CONSTRUCTION MATERIALS INSPECTIONS AND TESTING																															
CONSTRUCTION SCAFFOLDING, TEMPORARY STAIRS AND WALKWAYS																															
HAZARDOUS SOILS TESTING SERVICES																															
HAZARDOUS SOILS EXCAVATION AND HANDLING																															
SUBCONTRACTING																															
CONSTRUCTION PACKAGES																															
GENERAL SITE WORK														[Green Bar]												[Green Bar]					
MAJOR AND MISC STRUCTURAL CONCRETE														[Green Bar]												[Green Bar]					
PRE-ENGINEERED METAL BUILDINGS & INTERIOR FINISHES														[Green Bar]												[Green Bar]					
PAINTIING AND COATING SYSTEMS														[Green Bar]												[Green Bar]					
EQUIPMENT ERECTION (STG, HRSG, STACK, and BOP)														[Green Bar]												[Green Bar]					
ABOVE GROUND FIRE PROTECTION SYSTEMS														[Green Bar]												[Green Bar]					
EQUIPMENT AND PIPE INSULATION / HEAT TRACE														[Green Bar]												[Green Bar]					
UNDERGROUND PIPING SYSTEMS														[Green Bar]												[Green Bar]					
UNDERGROUND CIRCULATION WATER PIPE SYSTEM														[Green Bar]												[Green Bar]					

Remaining Level of Effort
 Remaining Work
 Actual Work
 Critical Remaining Work

Activity ID	Activity Name	OD	RD	Physical % Complete	Start	Finish	TF	2012												2013					
								A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J			
ABOVE GROUND BALANCE OF PLANT PIPING								[Gantt bar: Apr 2012 - Jun 2012]																	
NON DESTRUCTIVE TESTING								[Gantt bar: Apr 2012 - Jun 2012]																	
UNDERGROUND ELECTRICAL SYSTEMS								[Gantt bar: Apr 2012 - Jun 2012]																	
ABOVE GROUND ELECTRICAL AND INSTRUMENTATION SYSTEMS								[Gantt bar: Apr 2012 - Jun 2012]																	
ELECTRICAL SWITCHYARD AND TRANSMISSION SYSTEMS (FURNISH AND ERECT)								[Gantt bar: Apr 2012 - Jun 2012]																	
GENERATOR STEP UP AND AUXILIARY TRANSFORMER DRESS OUT AND OIL FILL								[Gantt bar: Apr 2012 - Jun 2012]																	
START UP AND COMMISSIONING PACKAGES								[Gantt bar: Apr 2012 - Jun 2012]																	
START-UP CRAFT SUPPORT LABOR								[Gantt bar: Apr 2012 - Jun 2012]																	
STEAM CYCLE PRE-OPERATIONAL CHEMICAL CLEANING								[Gantt bar: Apr 2012 - Jun 2012]																	
STEAM CYCLE AIR/STEAM BLOW								[Gantt bar: Apr 2012 - Jun 2012]																	
ELECTRICAL SYSTEM TESTING								[Gantt bar: Apr 2012 - Jun 2012]																	
MATERIAL CONTROL								[Gantt bar: Apr 2012 - Jun 2012]																	
BULK MATERIALS AND ENGINEERED ITEMS								[Gantt bar: Apr 2012 - Jun 2012]																	
EMBEDDED STEEL ITEMS								[Milestone: Apr 2012]																	
PACKAGED STEAM BOILERS								[Milestone: Apr 2012]																	
CHEMICAL FEED SKIDS								[Milestone: Apr 2012]																	
SHOP FABRICATED PRESSURE VESSELS								[Milestone: Apr 2012]																	
SHOP FABRICATED VESSELS - ATMOSPHERIC								[Milestone: Apr 2012]																	
AQUEOUS AMMONIA STORAGE								[Milestone: Apr 2012]																	
DUCTBURNER FILTER SEPRATOR								[Milestone: Apr 2012]																	
OILY WATER SEPARATOR								[Milestone: Apr 2012]																	
BOILER FEEDWATER PUMPS								[Milestone: Apr 2012]																	
CLOSED COOLING WATER HEAT EXCHANGERS								[Milestone: Apr 2012]																	
CONDENSATE PUMPS								[Milestone: Apr 2012]																	
VERTICAL SUMP PUMPS								[Milestone: Apr 2012]																	
FUEL GAS COMPRESSORS								[Milestone: Apr 2012]																	
CW PUMPS								[Milestone: Apr 2012]																	
15Kv BUS DUCT								[Milestone: Apr 2012]																	
PROTECTIVE RELAY PANELS								[Milestone: Apr 2012]																	
POWER DISTRIBUTION CENTERS (PDC'S)								[Milestone: Apr 2012]																	
MEDIUM VOLTAGE WIRE AND CABLE								[Milestone: Apr 2012]																	
CABLE TRAY								[Milestone: Apr 2012]																	
LIGHTNING PROTECTION SYSTEMS								[Milestone: Apr 2012]																	
CATHODIC PROTECTION SYSTEMS								[Milestone: Apr 2012]																	
DISTRIBUTED CONTROL SYSTEMS (DCS'S)								[Milestone: Apr 2012]																	
SAMPLE AND ANALYSIS PANELS								[Milestone: Apr 2012]																	
CONTINUOUS EMISSIONS MONITORING SYSTEMS (CEMS)								[Milestone: Apr 2012]																	
FIELD MOUNTED INSTRUMENTS								[Milestone: Apr 2012]																	
IN-LINE INSTRUMENTATION								[Milestone: Apr 2012]																	
SAFETY AND PRESSURE RELIEF VALVES								[Milestone: Apr 2012]																	
PROCESS CONTROL VALVES AND REGULATORS								[Milestone: Apr 2012]																	

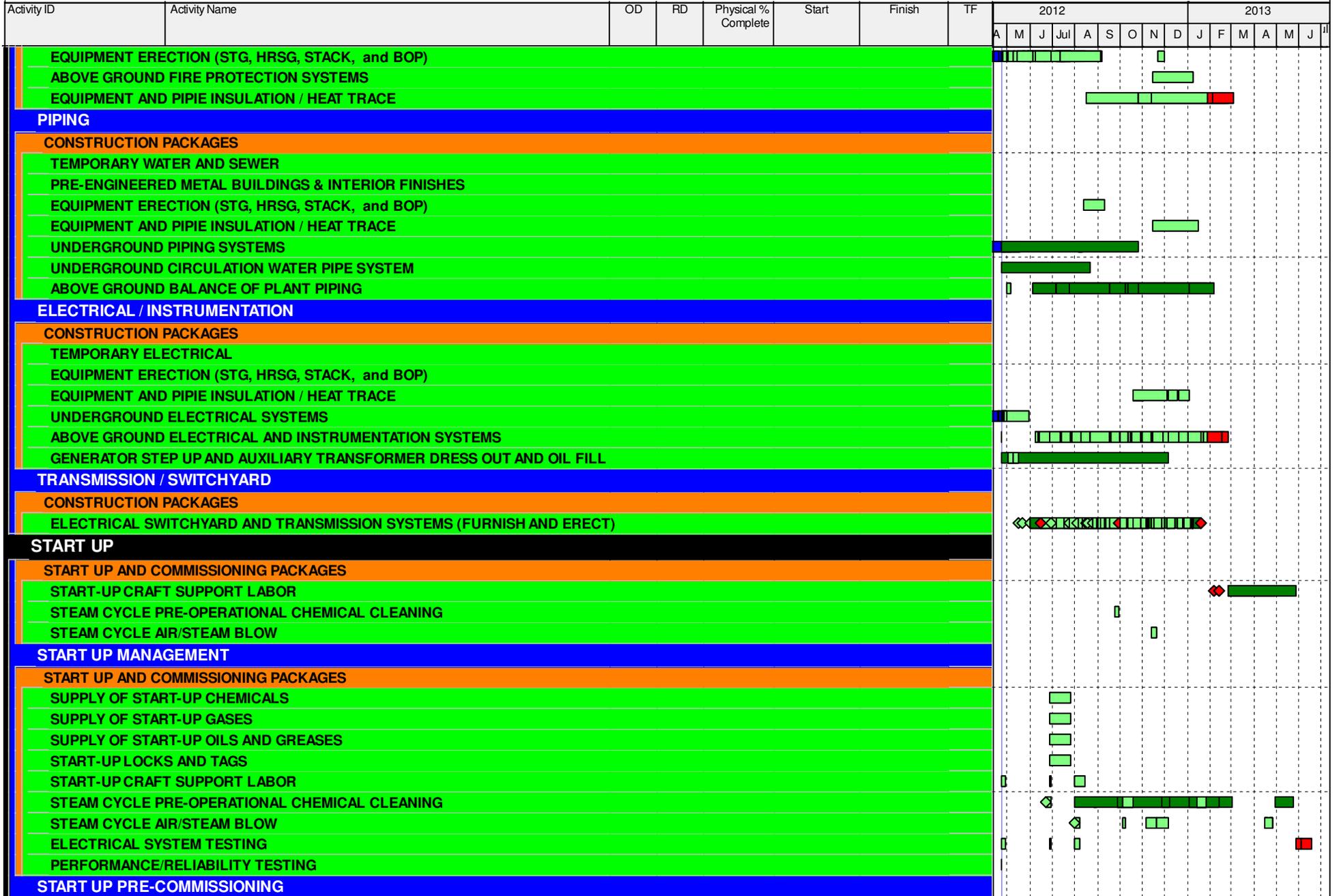
Remaining Level of Effort
 Remaining Work
 Actual Work
 Critical Remaining Work

Activity ID	Activity Name	OD	RD	Physical % Complete	Start	Finish	TF	2012												2013					
								A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	II		
CONTROL VALVES - BUTTERFLY																									
ON-OFF VALVES - BALL VALVES (SEVERE SERVICE)																									
BYPASS VALVES																									
UNDERGROUND PIPING - CS/SS BULKS																									
UNDERGROUND PIPING - HIGH DENSITY POLYETHYLENE (HDPE)																									
UNDERGROUND PIPING - CIRCULATING WATER																									
SHOP FABRICATED PIPING BOP LB																									
SHOP FABRICATED PIPING BOP SB																									
SHOP FABRICATED CRITICAL PIPING LB																									
LARGE, HIGH PRESSURE, MOTOR OPERATED VALVES (MOV'S)																									
VALVES - CRITICAL STEAM (LARGE BORE, MANUAL, ALLOY)																									
VALVES - MANUAL (BALL, GATE, GLOBE, CHECK, ETC.)																									
ENGINEERED PIPE SUPPORTS																									
NON-ENGINEERED PIPE SUPPORTS																									
SAFETY SHOWERS AND EYE WASH STATIONS																									
STRAINERS - SIMPLEX AND DUPLEX																									
SHOP FABRICATED CRITICAL PIPING SB																									
SPECIALITY ITEMS																									
CONSTRUCTION PACKAGES																									
PRE-ENGINEERED METAL BUILDINGS & INTERIOR FINISHES																									
UNDERGROUND CIRCULATION WATER PIPE SYSTEM																									
CONSTRUCTION																									
CONSTRUCTION MANAGEMENT																									
PROCUREMENT PACKAGES																									
SUPPLIER SURVEILLANCE																									
CONSTRUCTION PACKAGES																									
GENERAL SITE WORK																									
MAJOR AND MISC STRUCTURAL CONCRETE																									
PRE-ENGINEERED METAL BUILDINGS & INTERIOR FINISHES																									
PAINTING AND COATING SYSTEMS																									
ABOVE GROUND FIRE PROTECTION SYSTEMS																									
EQUIPMENT AND PIPE INSULATION / HEAT TRACE																									
UNDERGROUND PIPING SYSTEMS																									
UNDERGROUND CIRCULATION WATER PIPE SYSTEM																									
UNDERGROUND ELECTRICAL SYSTEMS																									
ELECTRICAL SWITCHYARD AND TRANSMISSION SYSTEMS (FURNISH AND ERECT)																									
GENERATOR STEP UP AND AUXILIARY TRANSFORMER DRESS OUT AND OIL FILL																									
CONSTRUCTION COORDINATION																									
BULK MATERIALS AND ENGINEERED ITEMS																									
REINFORCING STEEL																									
EMBEDDED STEEL ITEMS																									

Remaining Level of Effort
 Remaining Work
 Actual Work
 Critical Remaining Work

Activity ID	Activity Name	OD	RD	Physical % Complete	Start	Finish	TF	2012												2013											
								A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	II								
CONSTRUCTION PACKAGES																															
LEASING OF TEMPORARY OFFICE AND CRAFT FACILITIES (TRAILERS)																															
TEMPORARY ELECTRICAL																															
GENERAL SITE WORK																															
MAJOR AND MISC STRUCTURAL CONCRETE																															
PRE-ENGINEERED METAL BUILDINGS & INTERIOR FINISHES																															
PAINTIING AND COATING SYSTEMS																															
EQUIPMENT ERECTION (STG, HRSG, STACK, and BOP)																															
ABOVE GROUND FIRE PROTECTION SYSTEMS																															
EQUIPMENT AND PIPE INSULATION / HEAT TRACE																															
UNDERGROUND PIPING SYSTEMS																															
UNDERGROUND CIRCULATION WATER PIPE SYSTEM																															
ABOVE GROUND BALANCE OF PLANT PIPING																															
UNDERGROUND ELECTRICAL SYSTEMS																															
ABOVE GROUND ELECTRICAL AND INSTRUMENTATION SYSTEMS																															
ELECTRICAL SWITCHYARD AND TRANSMISSION SYSTEMS (FURNISH AND ERECT)																															
GENERATOR STEP UP AND AUXILIARY TRANSFORMER DRESS OUT AND OIL FILL																															
CIVIL / STRUCTURAL / ARCHITECTURAL																															
CONSTRUCTION PACKAGES																															
LEASING OF TEMPORARY OFFICE AND CRAFT FACILITIES (TRAILERS)																															
CONSTRUCTION SURVEYING SUPPORT																															
HAZARDOUS SOILS TESTING SERVICES																															
HAZARDOUS SOILS EXCAVATION AND HANDLING																															
GENERAL SITE WORK																															
MAJOR AND MISC STRUCTURAL CONCRETE																															
PRE-ENGINEERED METAL BUILDINGS & INTERIOR FINISHES																															
EQUIPMENT ERECTION (STG, HRSG, STACK, and BOP)																															
ABOVE GROUND FIRE PROTECTION SYSTEMS																															
EQUIPMENT AND PIPE INSULATION / HEAT TRACE																															
UNDERGROUND PIPING SYSTEMS																															
ELECTRICAL SWITCHYARD AND TRANSMISSION SYSTEMS (FURNISH AND ERECT)																															
STG ERECTION																															
CONSTRUCTION PACKAGES																															
EQUIPMENT ERECTION (STG, HRSG, STACK, and BOP)																															
HRSG ERECTION																															
CONSTRUCTION PACKAGES																															
EQUIPMENT ERECTION (STG, HRSG, STACK, and BOP)																															
BOP MECHANICAL																															
CONSTRUCTION PACKAGES																															
GENERAL SITE WORK																															
PAINTIING AND COATING SYSTEMS																															

Remaining Level of Effort
 Remaining Work
 Actual Work
 Critical Remaining Work



Remaining Level of Effort Remaining Work
 Actual Work Critical Remaining Work

Activity ID	Activity Name	OD	RD	Physical % Complete	Start	Finish	TF	2012												2013					
								A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	II		
CONSTRUCTION PACKAGES																									
EQUIPMENT AND PIPE INSULATION / HEAT TRACE																									
No 417531-13-PROC PKG																									
GENERAL SITE WORK																									
HRSG#3																									
HRSG#2																									
HRSG#4																									
HRSG#1																									
STEAM TURBINE AREA																									
PIPE RACK																									
BOP-HV/MV ELECT																									
FUEL GAS AREA																									
WTR TREATMENT AREA																									
AQUA AMMONIA AREA																									
CIRC WATER / COOLING TWR AREA																									
NEW WAREHOUSE / OFFICE BLDG																									
EXISTING CONTROL ROOM AND OFFICE BLDG																									
BALANCE OF PLANT MISC.																									
PLANT COMMISSIONING/STARTUP																									
START UP CHEMICAL CLEANING																									
START UP AND COMMISSIONING PACKAGES																									
STEAM CYCLE PRE-OPERATIONAL CHEMICAL CLEANING																									
START UP STEAM BLOW																									
START UP AND COMMISSIONING PACKAGES																									
STEAM CYCLE PRE-OPERATIONAL CHEMICAL CLEANING																									
STEAM CYCLE AIR/STEAM BLOW																									
No 417531-13-PROC PKG																									
START UP GENERAL																									
No 417531-13-PROC PKG																									
PROJECT SERVICES																									
PROJECT CONTROLS																									
CONSTRUCTION PACKAGES																									
PAINTING AND COATING SYSTEMS																									
ABOVE GROUND FIRE PROTECTION SYSTEMS																									
EQUIPMENT AND PIPE INSULATION / HEAT TRACE																									
ABOVE GROUND BALANCE OF PLANT PIPING																									
ABOVE GROUND ELECTRICAL AND INSTRUMENTATION SYSTEMS																									
GENERATOR STEP UP AND AUXILIARY TRANSFORMER DRESS OUT AND OIL FILL																									
START UP AND COMMISSIONING PACKAGES																									
START-UP CRAFT SUPPORT LABOR																									

Remaining Level of Effort
 Remaining Work
 Actual Work
 Critical Remaining Work

**CONDITION OF CERTIFICATION
CUL-4**

**Los Esteros Critical Energy Facility, Phase 2
Monthly Compliance Report #11
April 2012**

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

DATE: 4-25-12

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
MARVIN WEAVER	<i>Marvin Weaver</i>	HARDER / PG
Ken West	<i>Ken West</i>	Harder welder
Clyde Casiano	<i>[Signature]</i>	Calpine
Jeff McPEEK	<i>[Signature]</i>	Signet
DAN FERRIS	<i>[Signature]</i>	AZCO
JOE SECOLA	<i>[Signature]</i>	AZCO
Jerry Mims	<i>[Signature]</i>	Hyundai Transformer
Johnnie Wise	<i>[Signature]</i>	Brand
Daniel Esparza	<i>[Signature]</i>	Harder/Fitter
Jose Ramirez Escareño	<i>[Signature]</i>	Brand
Jose Franco	<i>[Signature]</i>	Brand
Marcos Fregoso	<i>[Signature]</i>	Brand
RUTGER LEENSTRA	<i>[Signature]</i>	Harder
Larry Holmquist	<i>[Signature]</i>	Harder
CESAR RAMIREZ	<i>[Signature]</i>	Signet testing

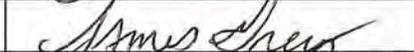
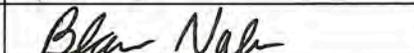
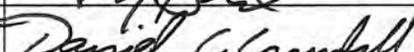
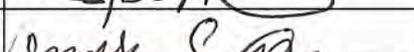
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**Los Esteros Critical Energy Facility, Phase 2
WORKER AWARENESS ENVIRONMENTAL PROGRAM
TRAINING SIGN-IN SHEET**
(Biology, Archaeology, & Paleontology)

DATE: 4-4-12

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
ROBERT ANDERSON		GE WATER
Denny Hintze		MAXIM CRANE
MIKE HINTZE		MAXIM CRANE
Stoney Simoneaux		EQC
SEAN BEAVERS		GE WATER
JAMES GRAY		HARDER
Oscar Gomez		GE WATER
Roy Shetler		Harder
JIM MARTINEZ		GE WATER
Nestor Ramirez-Vazquez		GE WATER
Paul Woodring		GE WATER
Kevin McCarthy		Harder
Blaine Vallem		GE WATER
JARED NEIS		GE WATER
Troy Ballard		GE WATER
Dan Crandall		GE WATER
MIKE VALDES		GE WATER
BOB POWERS		KIRK
JOEL ATKINS		GE WATER
INES LUNA		Harder
THOMAS JOHNSON		GE WATER
PAUL E FRENETTE		Harder

**CONDITION OF CERTIFICATION
CUL-5**

**Los Esteros Critical Energy Facility, Phase 2
Monthly Compliance Report #11
April 2012**

Monthly Report of Cultural Resources Monitoring Activities for the Los Esteros Critical Energy Facility Phase 2 From April 1, 2012 through April 30, 2012; COC CUL-5

Prepared For: Sarah Madams/SAC
Prepared By: Clint Helton/CRS
Reporting For Period: April 1 to April 30

This report covers cultural resources monitoring activities at the LECEF from April 1 through April 30, 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 completion of the Blow Down/Condensation Pit (a 14 foot deep excavation), a approx. 300x100 foot expansion of the craft parking/lay down area (south of south LECEF wall), continued excavation of electrical duct bank trenches, potholing for existing utilities within the switchyard in the NW corner, and excavation/trenching for electrical service to two new tent structures. Native sub-soils were encountered during some of these excavations. These sub-soils were usually at a depth of 3 to 4 feet from ground surface. The expansion of the craft parking lot lighting exposed possible native soils of light brown silty loam at the surface with some inclusions of construction debris, i.e. metal and plastic pipe and concrete. The native soil in the deeper excavations of the Blow Down Pit 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

Excavation activities will continue inside the facility. The CRM is expected to remain on site through May 2012 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 #11
April 2012**

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

Prepared For: Sarah Madams/SAC

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

Date: May 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.

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
- **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

**CONDITION OF CERTIFICATION
SOCIO-1**

**Los Esteros Critical Energy Facility, Phase 2
Monthly Compliance Report #11
April 2012**

Date: April 27, 2012

PO# not for report	EQUIPMENT / SERVICE DESCRIPTION	MANUFACTURER	LOCATION	COMMENTS
10000-001	Field Office Trailer Furniture	RD Office Solution	Burlingame, CA	
10000-034	Temporary Warehouse Facilities	Big Top Manufacturing	Perry, FL	
2100-001	Reinforcing Steel Package	Mission City Rebar	Santa Clara, CA	
2100-003	LECEF CT & STG Embeds	G2 Metal Fab	Livermore, CA	
2100-005	BOP Structural Steel	Nu Steel Fabricators	Childersburg, AL	Parent Co: Kern Steel, Bakersfield, CA
2100-007	Sanitary Lift Stations	Triple D	Waco, TX	Only proposal received
2200-002	Packaged Electric Steam Boiler	Precision Mfg. LLC	Morristown, TN	CH2M HILL supplier on multiple projects
2200-004	Chemical Feed Skid	Reetex LTD	Hockley, TX	On Calpine AML
2200-006	HRSB Blowdown Tank/Steam Drain & Ammonia Tanks	CH Murphy / Clark-Ullman	Portland, OR	On Calpine AML
2200-014	Fuel Gas Conditioning Skid	Peerless Mfg. Co.	Dallas, TX	On Calpine AML
2200-015	Turbine By-Pass & Spray Water Attemperation Valves	Control Components Inc.	Rancho Santa Margarita, CA	
2200-016	Oily Water Separator	Highland Tank	Stoystown, PA	On Calpine AML
2200-018	Boiler Feedwater Pumps	Flowserve	Madrid, Spain	On Calpine AML
2200-019	Closed Cooling Tower Heat Exchanges	Alfa Laval	Richmond, VA	On Calpine AML
2200-022	Condensate Pumps	Flowserve	Tanytown, MD	On Calpine AML
2200-024	Vertical Sump Pump	Goulds Pumps	Seneca Falls, NY	On Calpine AML
2200-024A	Duplex Submersible Sump Pump	Roberts & Brune Company	Redwood City, CA	
2200-035	Fuel Gas Compressor	UE Compression	Oklahoma City, OK	On Calpine AML
2200-037	Circulating Water Pumps	Flowserve	ECATEPEC, ESTADO DE MEXICO	On Calpine AML
2300-008	480V Switchgear Replacement Parts	Powell Electrical Systems, Inc.	Houston, TX	On Calpine AML
2300-009	15Kv Bus Duct	Powell / Delta Unibus	Northlake, IL	On Calpine AML
2300-017	Power Distribution Center	Eaton Corporation	Moontownship, PA	On Calpine AML
2300-028	Cathodic Protection	Mesa Products	Tulsa, OK	On Calpine AML
2300-031	SWYD – HV Circuit Breakers	Siemens Energy, Inc.	Wendell, NC	On Calpine AML
2300-032	SWYD - Minor Materials	Dis-Tran Packaged Substations, LLC	Pineville, LA	CH2M HILL supplier on multiple projects
2300-036	Secondary Unit Substation	GexPro	Denver, CO	On Calpine AML
2400-001	Distributed Control System	Emerson Process Mgmt.	Pittsburg, PA	On Calpine AML
2400-004	Sample / Analysis Panel	Sentry Equipment Corp	OCONOMOWOC, WI	On Calpine AML
2400-005	Continuous Emissions Monitoring	Cisco	Englewood, CO	On Calpine AML

2400-011A	Pressure Transmitters	Emerson / Rosemount	Chanhassen, MN	On Calpine AML
2400-011B	Pressure Gauges	Control Equipment Sales	Marietta, GA	Authorized Rep for AML
2400-011C	Level Switches	Applied Control Equipment	Centennial, CO	Authorized Rep for AML
2400-011D	Level Gauges & Instruments	Emerson / Rosemount and Applied Control	Pittsburgh, PA / Centennial, CO	On Calpine AML
2400-011D-E	Level Gauges & Instruments	Rosemount / Emerson	Chanhassen, MN	On Calpine AML
2400-011E	Guided Rave Radar Level Transmitter	Applied Control Equipment	Centennial, CO	Authorized Rep for AML
2400-012A	Test Thermowells	Applied Control Equipment	Centennial, CO	Authorized Rep for AML
2400-012C	Thermometers w/assoc. Thermowells	Applied Control Equipment	Centennial, CO	Authorized Rep for AML
2400-012D	Flow Nozzles, Elements & Orifices	Fluidic Techniques	Mansfield, TX	On Calpine AML
2400-014	Pressure Relief Valves	Bay Valve Service	Seattle, WA	On Calpine AML
2400-015	Modulating Globe Valves	Control Southern Inc.	Suwanee, GA	Authorized Rep for AML
2400-016	Control Valves Butterfly	Control Southern Inc.	Suwanee, GA	Authorized Rep for AML
2400-018	On-Off Valves	Severe Service Spec.	Trussville, AL	Authorized Rep for AML
2400-021	Desuperheaters	Control Southern Inc.	Suwanee, GA	Authorized Rep for AML
2400-12B	Temperature Elements w/Thermowells	Sandelius	Houston, TX	On Calpine AML
2500-001	Circulating Water Pipe	Hanson Pipe & Precast	Grand Prairie, TX	Only supplier able to meet delivery
2500-002	UG Pipe - CS/SS	Bakersfield Pipe & Supply	Bakerfield, CA	
2500-003	UG Pipe - HDPE	ISCO Industries, LLC	Fayetteville, GA	Authorized Rep for AML
2500-011	LB Critical Pipe -Fabrication	AZCO, Inc.	Kenosha, WI	On Calpine AML
2500-011A	LB Critical Pipe - Supply	Edgen Murray Corp.	Baton Rouge. LA	On Calpine AML
2500-015	AWWA Butterfly Valves	Bray International Inc.	Houston, TX	On Calpine AML
2500-017	Critical Valves	Flowserve US Inc.	Raleigh, NC	On Calpine AML
2500-020	Air Release / Air Vacuum Valves	Control Equipment Sales	Marietta, GA	Authorized Rep for AML
2500-022	Engineered Pipe Supports	Liseiga, Inc.	Kodak, TN	CH2M HILL supplier on multiple projects
2500-026	Safety Showers & Eye Wash Stations	Ferguson	Roseville, MN	On Calpine AML
2500-027	Piping Specialties - Steam Traps	Associated Flow Controls	San Ramon, CA	
2500-035	Strainer - Simplex/Duplex	LC Associates	Spring, TX	On Calpine AML
2500-040B	Drain Hubs & Clean Outs	Ferguson	Roseville, MN	On Calpine AML
3500-001	Temporary Trailer Leasing	Modspace	Berwyn, PA	National Agreement w/CH2M HILL, supplied by local office
3500-015	Bottled Water	Big Bear Distributing	Freedom, CA	
4100-002	Security Services	The Landshire Group	Newark, CA	

4100-014	Construction Material Inspection & Testing	Signet Testing Labs	Hayward, CA	
4100-016	Dust Control / Water Truck	Broom Service Inc.	Cupertino, CA	
4100-017	Sweeper Truck	Broom Service Inc.	Cupertino, CA	

**CONDITION OF CERTIFICATION
TRANS-1**

**Los Esteros Critical Energy Facility, Phase 2
Monthly Compliance Report #11
April 2012**

Los Esteros Critical Energy Facility Conditions of Certification – Construction Trip Generation Rates

TO: Rodney Jones/Calpine
 COPIES: Sarah Madams/CH2M Hill
 FROM: Graham Satterwhite/CH2M Hill
 DATE: April 3, 2012

The purpose of this memorandum is to document compliance with the Condition of Certification (COC) Trans-1 regarding monitoring of intersection operations during construction.

Construction of the Los Esteros Critical Energy Facility (LECEF) began May 9, 2011. As a baseline for pre-construction traffic conditions, turning movement counts were conducted at the intersections of McCarthy Road/eastbound SR 237 ramps, McCarthy Road/westbound SR 237 ramps, and McCarthy Road/Ranch Drive in the AM and PM peak periods on May 3, 2011. Turning movement counts were again conducted on March 22, 2012 to reflect during construction traffic conditions. These turning movements were used to compute average intersection delay and the corresponding Level of Service (LOS). The relationship of delay and LOS at signalized intersections is summarized in Table 1.

TABLE 1
 Intersection Level of Service Criteria

LOS	Signalized Intersection Delay Per Vehicle (seconds)
A	≤ 10.0
B	>10.0 and ≤20.0
C	>20.0 and ≤35.0
D	>35.0 and ≤55.0
E	>55.0 and ≤80.0
F	>80.0

Source: Highway Capacity Manual, 2000

Tables 2 and 3 indicate the AM and PM pre-construction and during construction traffic operations at these intersections.

TABLE 2
Study Intersection AM Peak Hour Operations –Pre Construction and During Construction

#	Study Intersection	Traffic Control	Pre Construction (5/3/11)		During Construction (3/22/12)	
			Delay	LOS	Delay	LOS
1	McCarthy Road/Eastbound SR 237 Ramps	Signal	17.0	B	18.1	B
2	McCarthy Road/Westbound SR 237 Ramps	Signal	17.3	B	18.7	B
3	McCarthy Road/Ranch Drive	Signal	20.1	C	17.0	B

Caltrans LOS Threshold = D

Santa Clara County LOS Threshold = D

Bold indicates intersection with LOS exceeding relevant agency threshold

TABLE 3
Study Intersection PM Peak Hour Operations –Pre Construction and During Construction

#	Study Intersection	Traffic Control	Pre Construction (5/3/11)		During Construction (3/22/12)	
			Delay	LOS	Delay	LOS
1	McCarthy Road/Eastbound SR 237 Ramps	Signal	23.3	C	23.9	C
2	McCarthy Road/Westbound SR 237 Ramps	Signal	22.3	C	19.7	B
3	McCarthy Road/Ranch Drive	Signal	31.2	C	31.6	C

Caltrans LOS Threshold = D

Santa Clara County LOS Threshold = D

Bold indicates intersection with LOS exceeding relevant agency threshold

Overall, traffic operations near the Los Esteros Critical Energy Facility project have remained similar to before construction of the Los Esteros Critical Energy Facility began in May 2011. All intersections still meet the applicable LOS threshold. Future intersection analysis should compare operational results to the pre-construction condition and the Caltrans and Santa Clara County LOS thresholds to determine compliance with the identified COC.

**CONDITION OF CERTIFICATION
TRANS-2**

**Los Esteros Critical Energy Facility, Phase 2
Monthly Compliance Report #11
April 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 #11
April 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
- 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)
- Temporary lighting placed in craft parking lot until long-term electrical lighting plan is approved by CBO
- Lights to be installed in December below K-rails to illuminate walk path leading to construction entrance

These documents were submitted during this report period.

- April 2: STRUC-1, CBO-220 Pipe Rack Foundations: DCN-063 and DCN-064 were sent to the CBO.
- April 2: STRUC-1, CBO-224 Vogt Structural Cover & Notes: One document and response to CBO comments were sent to the CBO.
- April 2: STRUC-1, CBO-262 BFP Pipe Rack Framing: Three documents were sent to the CBO.
- April 2: STRUC-1, CBO-225 Vogt Bottom Casing: One document and response to CBO comments were sent to the CBO.
- April 2: STRUC-1, CBO-226 Vogt Inlet-Burner Duct: Response to CBO comments were sent to the CBO.
- April 2: STRUC-1, CBO-210 Concrete Mix Design: Two documents were sent to the CBO.
- April 2: STRUC-1, CBO-229 Vogt Module Box Assembly: Three documents and response to CBO comments were sent to the CBO.
- April 3: GEN-2, CBO-952 HRSG Crane Plan: Four documents were sent to the CBO.
- April 3: STRUC-1, CBO-205 Cooling Tower Depot: One document was sent to the CBO.
- April 3: STRUC-1, CBO-202 HRSG Foundation & Calculations: Two revised documents were sent to the CBO.
- April 3: STRUC-1, CBO-230 Vogt Pipe Rack: Six documents and response to CBO comments were sent to the CBO.
- April 3: STRUC-1, CBO-231 Vogt HRSG Platforms: Five documents and response to CBO comments were sent to the CBO.
- April 3: GEN-2, CBO-952 HRSG Crane Plan: Four documents were sent to the CBO.
- April 3: STRUC-1, CBO-205 Cooling Tower Depot: One document was sent to the CBO.
- April 3: STRUC-1, CBO-230 Vogt Pipe Rack: Six documents and response to CBO comments were sent to the CBO.
- April 3: STRUC-1, CBO-231 Vogt HRSG Platforms: Five documents and response to CBO comments were sent to the CBO.
- April 3: STRUC-1, CBO-202 HRSG Foundation & Calculations: Two documents were sent to the CBO.
- April 3: STRUC-1, CBO-232 Vogt Side Casing: Response to CBO comments were sent to the CBO.
- April 3: STRUC-1, CBO-233 HP Steam Drum NP Attachments: Response to CBO comments were sent to the CBO.
- April 3: STRUC-1, CBO-234 Vogt Stacking Frame: One document and response to CBO comments were sent to the CBO.
- April 4: STRUC-1, CBO-244 Boiler Feedpump Pipe Rack Foundation: Three documents were sent to the CBO.
- April 4: STRUC-1, CBO-235 Vogt Top Casing Box: Response to CBO comments were sent to the CBO.
- April 4: STRUC-1, CBO-262 BFP Pipe Rack Framing: One document was sent to the CBO.
- April 4: STRUC-1, CBO-210 Concrete Mix Design: Two documents were sent to the CBO.
- April 4: MECH-1, CBO-302 P&ID's: One revised drawing was sent to the CBO.

- April 5: GEN-2, CBO-952 HRSG Crane Plan: Seven documents were sent to the CBO.
- April 5: STRUC-1, CBO-901 Temporary Trailers & Decking: One revised document was sent to the CBO.
- April 5: STRUC-1, CBO-237 GE Demin System Water Treatment Foundation: Seven documents were sent to the CBO.
- April 6: GEN-2, CBO-952 HRSG Crane Plan: Two documents were sent to the CBO.
- April 6: STRUC-1, CBO-250 Pipe Rack Steel: One drawing was sent to the CBO.
- April 6: STRUC-1, CBO-210 Concrete Mix Design: One document was sent to the CBO.
- April 6: GEN-6, CBO-052 Special Inspectors: Two documents were sent to the CBO.
- April 6: MECH-1, CBO-304 UG Piping: 11 revised drawings were sent to the CBO.
- April 9: TSE-5, CBO-501 Switchyard Specifications and Data Sheets: Five documents were sent to the CBO.
- April 9: STRUC-1, CBO-252 STG Access and Auxiliary Platforms: Nine drawings and response to CBO comments were sent to the CBO.
- April 9: TSE-5, CBO-506 Underground Ductbank: One drawing was sent to the CBO.
- April 9: TSE-5, CBO-507 Grounding Plans: One drawing was sent to the CBO.
- April 9: TSE-5, CBO-505 Switchyard Plan, GA and Elevations: Three revised drawings and response to CBO comments were sent to the CBO.
- April 9: TSE-5, CBO-502 Switchyard One-Line Diagrams: Two drawings were sent to the CBO.
- April 10: TSE-5, CBO-504 Switchyard 120/208 Volt AC Panels: One drawing was sent to the CBO.
- April 10: TSE-5, CBO-503 Switchyard AC Schematics: Three drawings were sent to the CBO.
- April 10: GEN-2, CBO-051 Mechanical Specifications: Three specs were sent to the CBO.
- April 10: TSE-5, CBO-504 Switchyard 120/208 Volt AC Panels: One new drawing was sent to the CBO.
- April 10: TSE-5, CBO-503 Switchyard AC Schematics: One new drawing and two revised drawings were sent to the CBO.
- April 10: GEN-2, CBO-051 Mechanical Specifications: Three new documents were sent to the CBO.
- April 10: ELEC-1, CBO-400 PFA Hyundai GSU Transformer: Three documents were sent to the CBO.
- April 10: GEN-5, CBO-904 Harder Welder Roster: One document was sent to the CBO.
- April 10: STRUC-1, CBO-224 Vogt Structural Cover & Notes: Two documents were sent to the CBO.
- April 11: STRUC-1, CBO-202 HRSG Foundation & Calculations: One document was sent to the CBO.
- April 11: GEN-2, CBO-952 HRSG Crane Plane: Two documents were sent to the CBO.
- April 11: STRUC-1, CBO-220 Pipe Rack Foundations: DCN-065 was sent to the CBO.
- April 12: TSE-1, CBO-245 Switchyard Structural Foundations: Four documents were sent to the CBO.
- April 12: STRUC-1, CBO-258 Fuel Gas Skid: 26 documents were sent to the CBO.
- April 13: STRUC-1, CBO-250 Pipe Rack Steel: Three revised drawings were sent to the CBO.

- April 13: STRUC-1, CBO-217 Misc. Foundations: One revised drawing was sent to the CBO.
- April 13: GEN-2, CBO-051 Mechanical Specifications: One document was sent to the CBO.
- April 13: STRUC-1, CBO-251 Existing Pipe Rack Steel: Response to CBO comments was sent to the CBO.
- April 13: ELEC-1, CBO-951 Construction Lighting: Response to CBO comments was sent to the CBO.
- April 13: STRUC-1, CBO-238 Sample & Analysis Enclosure Foundation: One revised drawing was sent to the CBO.
- April 13: STRUC-1, CBO-252 STG Access and Auxiliary Platforms: One revised drawing was sent to the CBO.
- April 13: GEN-6, CBO-052 Statement of Special Inspections-Structural Steel Fabrication: One document was sent to the CBO.
- April 13: STRUC-1, CBO-217 Misc. Foundations: Two documents were sent to the CBO.
- April 13: MECH-1, CBO-379 Fuel Gas Compressor C Skid-Fuel Gas Compressor C, Recycle Gas: One document was sent to the CBO.
- April 17: STRUC-1, CBO-903 Temporary Tents: Response to CBO comments were sent to the CBO.
- April 17: STRUC-1, CBO-903 Temporary Tents: Response to CBO comments were sent to the CBO.
- April 18: STRUC-1, CBO-231 Vogt HRSG Platforms: DCN-066 was sent to the CBO.
- April 18: ELEC-1, CBO-401 Grounding and Grounding Plans: One drawing was sent to the CBO.
- April 19: STRUC-1, CBO-203 STG Foundation & Calculations: Two revised drawings were sent to the CBO.
- April 19: ELEC-1, CBO-401 Grounding and Grounding Plans: One revised drawing was sent to the CBO.
- April 20: MECH-1, CBO-304 UG Piping: Five new drawings were sent to the CBO.
- April 20: STRUC-1, CBO-239 Lube Oil Containment Foundation: Two revised drawings and response to CBO comments were sent to the CBO.
- April 23: CBO-001 Resident Engineer: Letter and Jeffrey Barton resume were sent to the CBO.
- April 24: MECH-1, CBO-351 TEI Condenser PFA: 24 documents were sent to the CBO.
- April 25: STRUC-1, CBO-247 STG PDC Foundation: Two documents were sent to the CBO.
- April 25: STRUC-1, CBO-246 Ammonia Storage Foundation: Three documents were sent to the CBO.
- April 25: STRUC-1, CBO-212 Pad Support Arrangement & Calculations: One document was sent to the CBO.
- April 25: GEN-5, CBO-053 RDE Log: Two documents were sent to the CBO.
- April 25: MECH-1, CBO-352 TSE-Nash Air Ejector PFA: 10 documents were sent to the CBO.

These documents were received during this report period.

- April 3: GEN-1, CBO-051 Harder Weld Procedures: Information only disposition received.
- April 3: STRUC-1, CBO-210 Concrete Mix Design: Response required disposition received.
- April 4: STRUC-1, CBO-220 Pipe Rack Foundation: Approved disposition received for DCN-063 and DCN-064.
- April 4: STRUC-1, CBO-243 Mods to Existing Foundation: Approved disposition received.
- April 4: STRUC-1, CBO-226 Vogt Inlet-Burner Duct: Approved disposition received.
- April 4: GEN-5, CBO-002 Responsible Engineer: Review stopped and approved dispositions received.
- April 4: GEN-2, CBO-952 HRSG Crane Plan: Information only disposition received.
- April 4: STRUC-1, CBO-250 Pipe Rack Steel: Approved disposition received.
- April 4: STRUC-1, CBO-220 Pipe Rack Foundations: Approved disposition received.
- April 4: STRUC-1, CBO-205 Cooling Tower Depot: Approved disposition received.
- April 10: MECH-1, CBO-304 UG Piping: Information only disposition was received.
- April 10: STRUC-1, CBO-210 Concrete Mix Design: Information only disposition received.
- April 10: STRUC-1, CBO-262 BFP Pipe Rack Framing: Response required disposition received.
- April 10: STRUC-1, CBO-250 Pipe Rack Steel: Approved disposition received.
- April 10: MECH-1, CBO-302 P&ID's: Approved disposition received.
- April 20: GEN-2, CBO-952 HRSG Crane Plan: Information only disposition received.
- April 10: STRUC-1, CBO-901 Temporary Trailers & Decking: Approved disposition received.
- April 10: STRUC-1, CBO-202 HRSG Foundation & Calculations: Approved disposition received.
- April 11: STRUC-1, CBO-244 Boiler Feedpump Pipe Rack Foundation: Approved disposition received.
- April 11: GEN-6, CBO-052 Special Inspectors: Information only disposition received.
- April 11: STRUC-1, CBO-237 Demin System Water Treatment Foundation: Approved disposition received.
- April 11: STRUC-1, CBO-225 Vogt Bottom Casing: Approved disposition received.
- April 11: STRUC-1, CBO-229 Vogt Module Box Assembly: Approved disposition received.
- April 11: STRUC-1, CBO-230 Vogt Pipe Rack: Approved disposition received.
- April 11: STRUC-1, CBO-231 Vogt HRSG Platforms: Approved disposition received.
- April 11: STRUC-1, CBO-233 Vogt HP Steam Drum NP Attachments: Approved disposition received.
- April 11: STRUC-1, CBO-232 Vogt Side Casing: Approved disposition received.
- April 11: STRUC-1, CBO-234 Vogt Stacking Frame: Approved disposition received.
- April 11: STRUC-1, CBO-235 Vogt Top Casing Box: Approved disposition received.
- April 12: STRUC-1, CBO-800 Warehouse: Response required disposition received.
- April 13: STRUC-1, CBO-202 HRSG Foundation & Calculations: Approved disposition received.
- April 13: GEN-2, CBO-952 HRSG Crane Plan: Information only disposition received.

- April 13: ELEC-1, CBO-400 PFA Hyundai GSU Transformer: Approved disposition received.
- April 13: STRUC-1, CBO-224 Vogt Structural Cover & Notes: Approved disposition and review stopped disposition received.
- April 13: GEN-5, CBO-904 Harder Welder Roster: Information only disposition received.
- April 13: STRUC-1, CBO-220 Pipe Rack Foundations: Approved disposition received for DCN-065.
- April 13: TSE-5, CBO-502 Switchyard One-Line Diagrams: Approved disposition received.
- April 13: TSE-5, CBO-504 Switchyard 120/208 Volt AC Panels: Information only disposition received.
- April 13: TSE-5, CBO-505 Switchyard Plan, GA, and Elevations: Approved disposition received.
- April 13: STRUC-1, CBO-252 STG Access and Auxiliary Platforms: Approved disposition received.
- April 13: GEN-5, CBO-904 Harder Welder Roster: Information only disposition received.
- April 18: ELEC-1, CBO-951 Construction Lighting: Approved disposition received.
- April 18: GEN-6, CBO-052 Statement of Special Inspection: Approved disposition received.
- April 18: STRUC-1, CBO-250 Pipe Rack Steel: Approved disposition received.
- April 18: STRUC-1, CBO-251 Existing Pipe Rack Steel: Approved disposition received.
- April 18: STRUC-1, CBO-217 Misc. Foundations: Approved disposition received.
- April 18: STRUC-1, CBO-238 Sample and Analysis Enclosure Foundation: Approved disposition received.
- April 18: STRUC-1, CBO-252 STG Access and Auxiliary Platforms: Approved disposition received.
- April 18: STRUC-1, CBO-257 Structural Steel Fabricator Calculations: Response required disposition received.
- April 19: STRUC-1, CBO-217 Misc. Foundations: Approved disposition received.
- April 19: TSE-5, CBO-508 Switchyard Minor Materials Package: Response required disposition received.
- April 19: STRUC-1, CBO-231 Vogt HRSG Platforms: Approved disposition received for DCN-066.
- April 19: STRUC-1, CBO-903 Temporary Tents: Approved disposition received.
- April 24: MECH-1, CBO-304 UG Piping: Information only disposition received.
- April 24: STRUC-1, CBO-239 Lube Oil Containment Foundation: Approved disposition received.
- April 24: GEN-2, CBO-051 Mechanical Specifications: Two response required dispositions received.
- April 24: GEN-4, CBO-001 Resident Engineer: Approved disposition received.
- April 24: ELEC-1, CBO-401 Grounding and Grounding Plans: Approved disposition received.
- April 24: STRUC-1, CBO-203 STG Foundation & Calculations: Approved disposition received.
- April 25: MECH-1, CBO-379 Fuel Gas Compressor C Skid-Fuel Gas Compressor C, Recycle Gas: Response required disposition received.

- April 25: STRUC-1, CBO-224 Vogt Structural Cover & Notes: Approved disposition received.
- April 25: GEN-6, CBO-052 Special Inspectors: 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 LECEP 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 ₂ , SO ₃ , 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
BIOLOGICAL RESOURCES										
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
CULTURAL RESOURCES										
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
FACILITY DESIGN										
GEN										
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		HRSG 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
ELEC										
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
GENERAL CONDITIONS										
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
HAZARDOUS MATERIALS MANAGEMENT										
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
NOISE AND VIBRATION										
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
PALEONTOLOGICAL RESOURCES										
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
SOCIOECONOMICS										
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
SOIL & WATER RESOURCES										
TRAFFIC AND TRANSPORTATION										
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 Monthly Compliance Reports during construction 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
TRANSMISSION LINE SAFETY AND NUISANCE										

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
TRANSMISSION SYSTEM ENGINEERING										
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