

**Russell City Energy Center  
01-AFC-7C**

Monthly Compliance Report #20  
March 1 – March 31, 2012

1. Project Construction Status

As of the month of March 2012, construction is 27.2% complete. The project continued concrete placement activities in the Recycled Water Facility (RWF) area, Zero Liquid Discharge (ZLD) area and has now essentially completed major foundations with the focus shifting to minor foundations.

Work in the RWF area is proceeding well, with placement of the contact basin base mat completed, and placement of the contact basin walls in progress. Installation of clarifiers and piping continued this month. Work in the ZLD area is also proceeding with Vapor Compressor and ZLD chemical storage foundations completed and setting of equipment modules awaits crane delivery.

Installation of underground pipe and conduit continues with installation of all underground pipe is 97% complete and underground conduit is approximately 90% complete.

Significant progress was made in March on setting mechanical equipment, which will allow installation of bulk pipe and electrical commodities in the coming months. The ZLD skids, Unit 1 and Unit 2 boiler feed pumps, main transformers, and over 10 auxiliary equipment skids for the CTGs and STG were set this month.

Work Completed:

- Completed removal of STG table top shoring and form removal and slide-in of condenser under STG table top.
- Set condenser neck and expansion joint.
- Rigged condenser flash box into position and began weld-out.
- Set Condensate pumps and motors.
- Set Unit #1 Boiler feedwater pump.
- Completed erection of HRSG #2 stair tower.
- Set STG fixators and sole plates.
- Completed concrete placement for the Cooling tower forebay top slab and RWF contact basin floor.
- Completed ZLD concrete placement for the BC vapor, transfer pump skid, CT electrical building slab, Firewater pump house slab.
- Placed concrete for ZLD oily water separator.
- Set Unit #1 Kettle boiler (Rotary Air Cooler)
- Set VT/SA and fogging skids
- Set CT mechanical packages and lube oil coolers.
- Completed rebar for contact basin walls.
- Completed installation of rebar for fuel gas compressor area slab.
- Removed shoring from battery room.

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- Essentially Completed Switchgear building structural steel erection
- Completed dress-out and oil fill for Auxiliary transformers.

Work in Progress:

- Began 5 KV cable pulling.
- Continued erection of HRSG #2 pipe rack
- Continued staging pipe on pipe rack as elevations are released.
- Began placement of concrete for the RWF contact basin walls.
- Began HRSG #2 module drain piping
- Began erection of STG pipe rack steel.
- Continued HRSG #2 casing and liner plate welding.
- Began rebar for the sludge collection tank foundation.
- Continued installation of rebar for ductbanks.
- Continued installation of siding and roofing for Admin building.
- Continued erection and weld-out of cooling tower blowdown tank
- Continued erection and weld-out of Filter/firewater tank
- Began erection and weld-out of recycle water tank.
- Installed grounding grid.
- Began erection of bus support steel and installation of circuit breakers.
- Began dress-out for Main transformers.

Biological, cultural and paleontological monitoring was conducted.

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**2. Required Monthly Compliance Report documents**

GEN-2	A copy of the most recent schedule is attached	AQ-SC3	A copy of the AQCMM report is attached
GEN-3	Email from CBO verifying payment during the report period is attached.	AQ-SC4	A copy of the AQCMM report is attached
GEN-6	A copy of CBO approved special inspectors is attached	AQ-SC5	A copy of the AQCMM report is attached
GEN-7	N/A. No CBO corrective actions for the reporting period	AQ-1	N/A. Applicable work not completed during the reporting period
GEN-8	See monthly report provided by the Delegate CBO.	AQ-2	N/A. Applicable work not completed during the reporting period
CIVIL-3	N/A. There were no non-compliance issues during the reporting period.	AQ-3	N/A. Applicable work not completed during the reporting period
CIVIL-4	N/A. Applicable work not completed during the reporting period	AQ-4	N/A. Applicable work not completed during the reporting period
STRUC-3	N/A. Applicable work not completed during the reporting period	AQ-5	N/A. Applicable work not completed during the reporting period
STRUC-4	N/A. Applicable work not completed during the reporting period	AQ-6	N/A. Applicable work not completed during the reporting period
MECH-1	Statement of LORS compliance from the responsible engineer(s) is attached.	AQ-7	N/A. Applicable work not completed during the reporting period
MECH-2	N/A. Applicable work not completed during the reporting period	AQ-8	N/A. Applicable work not completed during the reporting period
ELEC-1	Statement of LORS compliance from the responsible engineer(s) is attached.	AQ-9	N/A. Applicable work not completed during the reporting period
TSE-1	A copy of the most recent schedule is attached	AQ-10	N/A. Applicable work not completed during the reporting period
TSE-4	N/A. Applicable work not completed during the reporting period	WS-3	CSS on site daily and performing on-site safety inspections throughout the month. All issues identified were addressed on the spot. A copy of the CSS report is attached.

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Required Monthly Compliance Report documents, continued

BIO-2	A copy of the Designated Biologist's report is attached	CUL-6	A copy of the Cultural Resource Specialist's weekly reports are attached
BIO-5	WEAP training was conducted for 55 personnel during the reporting period.	PAL-3	A copy of the WEAP training records are attached
SW-1	A narrative DESCP effectiveness is attached. Inspection by City of Hayward and CBO performed, no deficiencies noted.	PAL-4	A copy of the Paleontological Resource Specialist's report is attached
SW-6	N/A. There were no notices of violation during the reporting period.	WASTE-7	No new EPA ID numbers were obtained during the reporting period.
CUL-2	A copy of the current schedule is attached	TRANS-9	N/A. There were no encroachment permits obtained during the reporting period.
CUL-4	A copy of the WEAP training records are attached	VIS-11	N/A. There were no complaints reported during the reporting period.

3. Compliance Matrix

A copy of the compliance matrix is attached.

4. Conditions satisfied during the reporting period

Ongoing approvals were issued by the CBO for submittals made in accordance with CIVIL-1, STRUC-1, MECH-1 and ELEC-1.

5. Submittal deadlines not met

There are no past due compliance submittals.

6. Approved condition of certification changes

- A request for amendment of the license was submitted on November 19, 2009. Amendment #2 was approved by the Commission on August 11, 2010.
- A change to the verification language of LAND-1 was submitted to the CPM on April 14, 2010 and approved by staff on April 30, 2010.
- A change to the verification language of SOIL&WATER-8 was submitted to the CPM on August 18, 2010 and approved by staff on August 24, 2010.

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7.  Filings or permits from other agencies

No permits were obtained from other agencies during the reporting period.

8.  Projection of compliance activities for February 2012 – March 2012

GEN-2	Schedule will be updated monthly
GEN-3	CBO payments will be submitted monthly
AQ-SC3	The AQCMM report will be updated monthly
AQ-SC4	The AQCMM report will be updated monthly
AQ-SC5	The AQCMM report will be updated monthly
WS-3	The CSS report will be updated monthly
BIO-2	The Designated Biologist's report will be updated monthly
BIO-5	WEAP training will be completed for new employees as needed
SW-1	DESCP effectiveness will be tracked and reported monthly
CUL-2	A current schedule will be provided to the CRS weekly
CUL-4	WEAP training will be completed for new employees as needed
PAL-3	WEAP training will be completed for new employees as needed
PAL-4	The PRS report will be updated monthly
WASTE-3	Bechtel CA registered PE monitoring project during soil excavation.

9.  Additions to the on-site compliance file

New Hire Orientation/WEAP Operations Level training records  
 Fugitive Dust Monitoring Log  
 Tire Inspection Log  
 Diesel Engine Inventory Log  
 City of Hayward Inspection Checklist for Construction Stormwater Controls  
 CBO SWPPP Inspection Record  
 CRS reports

10.  Listing of complaints, notices of violations, official warnings and citations

None received during the reporting period.

**CONDITION OF CERTIFICATION  
GEN-2**

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March 2012**

CEC No. 01-AFC-07C  
 RUSSELL CITY ENERGY CENTER  
 CBO SUBMITTALS LIST

Tracking Field

25483-000-G02-GGG-00022-000  
 GEN2-0004 (REV 21)

Project Address: 3862 Depot Road,  
 Hayward, CA 94545

Bechtel Job 25483

SORT ORDER	COC Number	CBO Reference Number	Document Number	Rev	Document Title	Document Type	Responsible Discipline	Reviewer	Scheduled to CBO	Actual to CBO	RPE Seal	Transmittal Letter Number	Requested Approval Date	CBO Response Date	Re-Submittal Responses to Comments	CBO Approval Date	Comments	DOCUMENTS SUBMITTED TO CBO
4	CIVIL-1	CIVIL-1 SWPPP01 (REV0) (120313)	25483-000-30G-H07G-00009	0	SWPPP Amendment No. 002	GHES	Civil			3/13/12		GAKG-01200	4/3/12					
85	CIVIL-1	CIVIL-1 GROUT02 (REV0) (120301)	25483-000-G27-GEGC-00011	0	Five Star - Technical Bulletin 105 Aggregate Extension Guidelines Cementitious Grouting	Reference Document	Civil			3/1/12		GAKG-01153	3/22/12	3/14/12	x	3/14/12	Reviewed for Reference	
86	CIVIL-1	CIVIL-1 GROUT02 (REV0) (120301)	25483-000-G27-GEGC-00012	0	Five Star - Technical Bulletin 106 Aggregate Extension Guidelines Concrete Repair	Reference Document	Civil			3/1/12		GAKG-01153	3/22/12	3/14/12	x	3/14/12	Reviewed for Reference	
87	CIVIL-1	CIVIL-1 GROUT02 (REV0) (120301)	25483-000-G27-GEGC-00013	0	A6J 3/8 inch Concrete Aggregate	Reference Document	Civil			3/1/12		GAKG-01153	3/22/12	3/14/12	x	3/14/12	Reviewed for Reference	
88	CIVIL-1	CIVIL-1 GROUT02 (REV0) (120301)	25483-000-G27-GEGC-00014	0	A35 3/8 inch Crushed Submittal	Reference Document	Civil			3/1/12		GAKG-01153	3/22/12	3/14/12	x	3/14/12	Reviewed for Reference	
89	CIVIL-1	CIVIL-1 GROUT02 (REV0) (120301)	25483-000-G27-GEGC-00015	0	Five Star - Fluid Grot 100 High Performance Precision Non-Shrink Fluid Grot - Various Applications	Reference Document	Civil			3/1/12		GAKG-01153	3/22/12	3/14/12	x	3/14/12	Reviewed for Reference	
90	CIVIL-1	CIVIL-1 GROUT02 (REV0) (120301)	25483-000-G27-GEGC-00016	0	Five Star - Special Grot 150 Sulfate Resistant Nonshrink Grot	Reference Document	Civil			3/1/12		GAKG-01153	3/22/12	3/14/12	x	3/14/12	Reviewed for Reference	
91	CIVIL-1	CIVIL-1 GROUT02 (REV0) (120301)	25483-000-G27-GEGC-00017	0	Five Star - Structural Concrete Fast, High Early Strength Permanent Repair	Reference Document	Civil			3/1/12		GAKG-01153	3/22/12	3/14/12	x	3/14/12	Reviewed for Reference	
148	ELEC-1	ELEC-1 3DR01 (REV0) (120228)	25483-000-3DR-EDMG-00001	0	ELECTRICAL DESIGN CRITERIA	Design Document	Electrical			2/28/12	KC	GAKG-01146	3/20/12	3/12/12	x	3/12/12	Approved	
155	ELEC-1	ELEC-1 0067 (REV1) (120228)	25483-000-E0C-EW-00002	1	SIZING OF CABLES IN UNDERGROUND DUCTBANKS	Calculation	Electrical			2/28/12	KC	GAKG-01147	3/20/12	3/12/12	x	3/12/12	Approved	
180	ELEC-1	ELEC-1 E302 (REV0) (120301)	25483-000-E3-6111-00001	0	Hazardous Area Classification Plan FG Compressor Area	Drawing	Electrical			3/2/12	KC	GAKG-01152	3/22/12	3/14/12	x	3/14/12	Approved	
298	ELEC-1	ELEC-1 ER00 (REV16) (120309)	25483-000-ER-6101-00001	3	Underground Raceway Plan Fuel Gas Compressor Area	Drawing Reference Document	Electrical			3/9/12		GAKG-01188	3/30/12					
313	ELEC-1	ELEC-1 ER00 (REV16) (120309)	25483-000-ER-7101-00001	4	Underground Raceway Plan RWF Area	Drawing Reference Document	Electrical			3/9/12		GAKG-01188	3/30/12					
318	ELEC-1	ELEC-1 ER00 (REV16) (120309)	25483-000-ER-7101-00003	2	Underground Raceway Plan RWF Area	Drawing Reference Document	Electrical			3/9/12		GAKG-01188	3/30/12					
322	ELEC-1	ELEC-1 ER00 (REV16) (120309)	25483-000-ER-7101-00004	4	Underground Raceway Plan RWF , Fuel Gas and Ammonia Area	Drawing Reference Document	Electrical			3/9/12		GAKG-01188	3/30/12					
325	ELEC-1	ELEC-1 ER00 (REV16) (120309)	25483-000-ER-7101-00005	3	Underground Raceway Plan RWF Area	Drawing Reference Document	Electrical			3/9/12		GAKG-01188	3/30/12					
332	ELEC-1	ELEC-1 ER00 (REV16) (120309)	25483-000-ER-7201-00001	4	Underground Raceway Plan Zero Liquid Discharge Area Sheet 1	Drawing Reference Document	Electrical			3/9/12		GAKG-01188	3/30/12					
338	ELEC-1	ELEC-1 ER00 (REV16) (120309)	25483-000-ER-7201-00002	5	Underground Raceway Plan Zero Liquid Discharge Area Sheet 2	Drawing Reference Document	Electrical			3/9/12		GAKG-01188	3/30/12					
343	ELEC-1	ELEC-1 ER00 (REV16) (120309)	25483-000-ER-7201-00003	4	Underground Raceway Plan Zero Liquid Discharge Area Sheet 3	Drawing Reference Document	Electrical			3/9/12		GAKG-01188	3/30/12					
349	ELEC-1	ELEC-1 ER00 (REV16) (120309)	25483-000-ER-7201-00005	3	Underground Raceway Plan Cooling Tower Switchgear Building Area	Drawing Reference Document	Electrical			3/9/12		GAKG-01188	3/30/12					
354	ELEC-1	ELEC-1 ER00 (REV16) (120309)	25483-000-ER-7201-00007	2	Underground Raceway Plan Cooling Tower	Drawing Reference Document	Electrical			3/9/12		GAKG-01188	3/30/12					
357	ELEC-1	ELEC-1 ER00 (REV16) (120309)	25483-000-ER-7201-00009	0	Underground Raceway Plan Cooling Tower Basin Area North	Drawing Reference Document	Electrical			3/9/12		GAKG-01188	3/30/12					
358	ELEC-1	ELEC-1 ER10 (REV0) (120227)	25483-000-ER-7211-00001	1	ABOVEGROUND RACEWAY PLAN COOLING TOWER AREA	Drawing Reference Document	Electrical			2/27/12		GAKG-01141	3/20/12	3/5/12	x	3/5/12	Reviewed for Reference	
359	ELEC-1	ELEC-1 ER10 (REV0) (120227)	25483-000-ER-7211-00002	1	ABOVEGROUND RACEWAY PLAN COOLING TOWER AREA	Drawing Reference Document	Electrical			2/27/12		GAKG-01141	3/20/12	3/5/12	x	3/5/12	Reviewed for Reference	
360	ELEC-1	ELEC-1 ER10 (REV0) (120227)	25483-000-ER-7211-00003	1	ABOVEGROUND RACEWAY PLAN COOLING TOWER AREA	Drawing Reference Document	Electrical			2/27/12		GAKG-01141	3/20/12	3/5/12	x	3/5/12	Reviewed for Reference	
361	ELEC-1	ELEC-1 ER10 (REV0) (120227)	25483-000-ER-7211-00004	1	ABOVEGROUND RACEWAY PLAN COOLING TOWER AREA	Drawing Reference Document	Electrical			2/27/12		GAKG-01141	3/20/12	3/5/12	x	3/5/12	Reviewed for Reference	
364	ELEC-1	ELEC-1 ER06 (REV1) (120314)	25483-000-ER-7211-00006	2	Aboveground Raceway Plan Cooling Tower Switchgear Building	Drawing Reference Document	Electrical			3/14/12		GAKG-01201	4/4/12					
365	ELEC-1	ELEC-1 ER10 (REV0) (120227)	25483-000-ER-7211-00008	0	ABOVEGROUND RACEWAY PLAN COOLING TOWER AREA	Drawing Reference Document	Electrical			2/27/12		GAKG-01141	3/20/12	3/5/12	x	3/5/12	Reviewed for Reference	
366	ELEC-1	ELEC-1 ER10 (REV0) (120227)	25483-000-ER-7291-00001	1	ABOVEGROUND RACEWAY SECTIONS COOLING TOWER AREA	Drawing Reference Document	Electrical			2/27/12		GAKG-01141	3/20/12	3/5/12	x	3/5/12	Reviewed for Reference	
367	ELEC-1	ELEC-1 ER06 (REV1) (120314)	25483-000-ER-7291-00002	0	Aboveground Raceway Sections Cooling Tower Switchgear Building	Drawing Reference Document	Electrical			3/14/12		GAKG-01201	4/4/12					
370	ELEC-1	ELEC-1 ER00 (REV16) (120309)	25483-000-ER-7601-00001	3	Underground Raceway Plan Demin Tank Area	Drawing Reference Document	Electrical			3/9/12		GAKG-01188	3/30/12					
371	ELEC-1	ELEC-1 ER11 (REV0) (120314)	25483-000-ER-7611-00001	0	Aboveground Raceway Plan Demin Water Area	Drawing Reference Document	Electrical			3/14/12		GAKG-01202	4/4/12					
376	ELEC-1	ELEC-1 ER09 (REV0) (120224)	25483-000-ER-8111-00001	0	Raceway Plan Access Floor Control Room Admin Area	Drawing Reference Document	Electrical			2/24/12		GAKG-01138	3/16/12	3/5/12	x	3/5/12	Reviewed for Reference	

CEC No. 01-AFC-07C  
RUSSELL CITY ENERGY CENTER  
CBO SUBMITTALS LIST

Tracking Field

25483-000-G02-GGG-00022-000  
GEN2-0004 (REV 21)

Project Address: 3862 Depot Road,  
Hayward, CA 94545

Bechtel Job 25483

SORT ORDER	COC Number	CBO Reference Number	Document Number	Rev	Document Title	Document Type	Responsible Discipline	Reviewer	Scheduled to CBO	Actual to CBO	RPE Seal	Transmittal Letter Number	Requested Approval Date	CBO Response Date	Re-Submittal Responses to Comments	CBO Approval Date	Comments	DOCUMENTS SUBMITTED TO CBO
409	ELEC-1	ELEC-1 ER00 (REV16) (120309)	25483-001-ER-1101-00001	4	Underground Raceway Plan Unit 1 HRSG Area North	Drawing Reference Document	Electrical			3/9/12		GAKG-01188	3/30/12					
412	ELEC-1	ELEC-1 ER00 (REV16) (120309)	25483-001-ER-1101-00002	3	Underground Raceway Plan Unit 1 HRSG Area South	Drawing Reference Document	Electrical			3/9/12		GAKG-01188	3/30/12					
434	ELEC-1	ELEC-1 ER00 (REV16) (120309)	25483-001-ER-1401-00001	2	Underground Raceway Plan Unit 1 Gas Turbine Area North	Drawing Reference Document	Electrical			3/9/12		GAKG-01188	3/30/12					
437	ELEC-1	ELEC-1 ER00 (REV16) (120309)	25483-001-ER-1401-00002	3	Underground Raceway Plan Unit 1 Gas Turbine Area South	Drawing Reference Document	Electrical			3/9/12		GAKG-01188	3/30/12					
442	ELEC-1	ELEC-1 ER00 (REV16) (120309)	25483-001-ER-3301-00001	2	Underground Raceway Plan Unit 1 CTG Transformer Area	Drawing Reference Document	Electrical			3/9/12		GAKG-01188	3/30/12					
465	ELEC-1	ELEC-1 ER00 (REV16) (120309)	25483-002-ER-1101-00002	4	Underground Raceway Plan Unit 2 HRSG Area South	Drawing Reference Document	Electrical			3/9/12		GAKG-01188	3/30/12					
496	ELEC-1	ELEC-1 ER00 (REV16) (120309)	25483-002-ER-3301-00001	2	Underground Raceway Plan Unit 2 CTG Transformer Area	Drawing Reference Document	Electrical			3/9/12		GAKG-01188	3/30/12					
502	ELEC-1	ELEC-1 E302 (REV0) (120301)	25483-003-E3-2111-00001	0	Hazardous Area Classification Plan Unit 3 STG Area	Drawing	Electrical			3/1/12	KC	GAKG-01152	3/22/12	3/14/12	x	3/14/12	Approved	
503	ELEC-1	ELEC-1 E302 (REV0) (120301)	25483-003-E3-2190-00001	0	Hazardous Area Classification Sections Unit 3 STG Area	Drawing	Electrical			3/1/12	KC	GAKG-01152	3/22/12	3/14/12	x	3/14/12	Approved	
518	ELEC-1	ELEC-1 ER00 (REV16) (120309)	25483-003-ER-2101-00001	5	Underground Raceway Plan Steam Turbine Area North	Drawing Reference Document	Electrical			3/9/12		GAKG-01188	3/30/12					
523	ELEC-1	ELEC-1 ER00 (REV16) (120309)	25483-003-ER-2101-00002	3	Underground Raceway Plan Steam Turbine Area South	Drawing Reference Document	Electrical			3/9/12		GAKG-01188	3/30/12					
528	ELEC-1	ELEC-1 ER12 (REV0) (120314)	25483-003-ER-2111-00001	0	Aboveground Raceway Plan Steam Turbine Area North	Drawing Reference Document	Electrical			3/14/12		GAKG-01203	4/4/12					
529	ELEC-1	ELEC-1 ER12 (REV0) (120314)	25483-003-ER-2111-00002	1	Aboveground Raceway Plan Unit 3 Steam Turbine Area Grade	Drawing Reference Document	Electrical			3/14/12		GAKG-01203	4/4/12					
530	ELEC-1	ELEC-1 ER12 (REV0) (120314)	25483-003-ER-2111-00003	0	Aboveground Raceway Plan Unit 3 Steam Turbine Area Power Distribution Center	Drawing Reference Document	Electrical			3/14/12		GAKG-01203	4/4/12					
531	ELEC-1	ELEC-1 ER12 (REV0) (120314)	25483-003-ER-2121-00001	0	Aboveground Raceway Plan Unit 3 Steam Turbine Mid Level EL 31 Feet North	Drawing Reference Document	Electrical			3/14/12		GAKG-01203	4/4/12					
532	ELEC-1	ELEC-1 ER12 (REV0) (120314)	25483-003-ER-2121-00002	0	Aboveground Raceway Plan Unit 3 Steam Turbine Mid Level EL 31 Feet South	Drawing Reference Document	Electrical			3/14/12		GAKG-01203	4/4/12					
534	ELEC-1	ELEC-1 ER02 (REV2) (120309)	25483-003-ER-2131-00001	1	Underground Raceway Plan Unit 3 Steam Turbine Area	Drawing Reference Document	Electrical			3/9/12		GAKG-01189	3/30/12					
535	ELEC-1	ELEC-1 ER12 (REV0) (120314)	25483-003-ER-2131-00002	0	Aboveground Raceway Plan Unit 3 Steam Turbine Area	Drawing Reference Document	Electrical			3/14/12		GAKG-01203	4/4/12					
536	ELEC-1	ELEC-1 ER12 (REV0) (120314)	25483-003-ER-2191-00001	0	Electrical Device Location Table Unit 3 Steam Turbine Area	Drawing Reference Document	Electrical			3/14/12		GAKG-01203	4/4/12					
555	ELEC-1	ELEC-1 CERK0 0212 (REV0) (120305)	NA	NA	Koushik Chanda - ELEC-1 Certificate of Compliance Feb 12	Certificate of Compliance Reference Document	Electrical			3/5/12	KC	GAKG-01164	3/26/12	3/7/12	x	3/7/12	Reviewed for Reference	
564	GEN-2	GEN-2 0004 (REV19) (120222)	25483-000-G02-GGG-00021	20	RCEC CBO Submittals List - 2-20-12	Submittals List Reference Document	General			2/22/12		GAKG-01132	3/14/12	2/24/12		2/24/12	Reviewed for Reference	
573	GEN-2	GEN-2 CONCRETE PLACEMENT (REV0) (120308)	25483-000-TO-GAM-00009	0	Russell City Energy Center Project Concrete Placement - Proceed at Risk	Official Correspondence	General			3/8/12		GAKG-01183	Not for Approval	3/8/12	Not for Approval	Not for Approval	Conditions Received - zipped with document in IW; Submitted as official transmittal of subject letter - not for approval.	
615	GEN-5	GEN-5 0010 (REV1) (120224)	25483-000-GPE-GXA-00136	1	Resume - Steven W. LeMay - Bechtel - Special Inspector/Welding	Resume	Plant Design	Obligation, Abigail		2/24/12		GAKG-01139	3/16/12	2/29/12	x	2/29/12	Approved	
631	GEN-6	GEN-6 BS105 (REV1) (120301)	25483-000-GPE-GXA-00216	0	Resume - Special Inspector - Gordon B. James - Bechtel Field Welding Engineer	Special Inspector Resume		Obligation, Abigail		3/1/12		GAKG-01157	3/22/12				Resubmitted to close item - Mr. James is no longer available	
633	GEN-6	GEN-6 BS105 (REV1) (120301)	25483-000-GPE-GXA-00217	0	Resume - Special Inspector - Gordon B. James - NDE Training and Experience Resume - Bechtel Field Welding Engineer	Special Inspector Resume		Obligation, Abigail		3/1/12		GAKG-01157	3/22/12				Resubmitted to close item - Mr. James is no longer available	
635	GEN-6	GEN-6 BS107 (REV0) (120309)	25483-000-GPE-GXA-00227	0	Resume - Arthur Cady - Bechtel - Special Inspector	Special Inspector Resume	Special Inspector Resume			3/9/12		GAKG-01155	3/16/12	3/16/12	x	3/16/12	Approved	
636	GEN-6	GEN-6 SIGNED01 (REV0) (120307)	25483-000-GPE-GXA-00228	0	Special Inspector Resume - John Oliveira - Agate/Beta/Graver/Spig	Resume	Special Inspector Resume			3/7/12		GAKG-01181	3/28/12	3/8/12	x	3/8/12	Approved: Mr. Oliveira will be responsible for inspecting AGATE structural steel/welding/structural steel bolting/post-installed (Hib) anchors (which falls under reinforced concrete inspection) BETA (structural steel/welding/structural steel bolting/ reinforced concrete) post-installed (Hib) anchors (which falls under reinforced concrete inspection) GRAVER (structural steel/welding/structural steel bolting) SPG (structural steel/welding/ post-installed (Hib) anchors (which falls under reinforced concrete inspection)/reinforced concrete	
637	GEN-6	GEN-6 SIGNED01 (REV0) (120307)	25483-000-GPE-GXA-00229	0	Special Inspector John Oliveira - American Welding Society Certification	Certification	Special Inspector			3/7/12		GAKG-01181	3/28/12	3/8/12	x	3/8/12	Approved	
638	GEN-6	GEN-6 SIGNED01 (REV0) (120307)	25483-000-GPE-GXA-00230	0	Special Inspector John Oliveira - Letter of Certification	Certification	Special Inspector			3/7/12		GAKG-01181	3/28/12	3/8/12	x	3/8/12	Approved	
1154	MECH-1	MECH-1 CERMS 0212 (REV0) (120305)	NA	NA	Sajjad Muzaffar MECH-1 Certificate of Compliance - Feb 2012	Certificate of Compliance Reference Document	Mechanical			3/5/12	MS	GAKG-01165	3/26/12	3/7/12	x	3/7/12	Reviewed for Reference	

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GEN2-0004 (REV 21)

Project Address: 3862 Depot Road,  
Hayward, CA 94545

Bechtel Job 25483

SORT ORDER	COC Number	CBO Reference Number	Document Number	Rev	Document Title	Document Type	Responsible Discipline	Reviewer	Scheduled to CBO	Actual to CBO	RPE Seal	Transmittal Letter Number	Requested Approval Date	CBO Response Date	Re-Submittal Responses to Comments	CBO Approval Date	Comments	DOCUMENTS SUBMITTED TO CBO
1207	MECH-1	MECH-1 CERRK 0112 (REV0) (120306)	NA	NA	Robert Krumpfen MECH-1 Certificate of Compliance - Jan 2012	Certificate of Compliance Reference Document	Mechanical			3/6/12	RK	GAKG-01172	3/27/12	3/7/12	x	3/7/12	Reviewed for Reference	
1254	STRUC-1	STRUC-1 DB7205 (REV2) (120314)	25483-000-CY-7200-00001	2	Circulating Water Piping Location Plan	Drawing	Civil	Ong, Edward		3/14/12	ZB	GAKG-01204	3/21/12	3/16/12			CBO Comments Received - zipped with document	
1255	STRUC-1	STRUC-1 DB7205 (REV3) (120320)	25483-000-CY-7200-00001	2	Circulating Water Piping Location Plan	Drawing	Civil	Ong, Edward		3/20/12	ZB	GAKG-01216	3/27/12				Response to CBO Comments Submitted for Approval	
1278	STRUC-1	STRUC-1 DB1111 (REV3) (120312)	25483-000-DB-1111-00003	2	HRSG Unit # 1 & 2 Area, HRSG Chemical Skid Foundation plan, Sections & Details	Drawing	Civil			3/12/12	ZB	GAKG-01192	3/19/12	3/16/12	x	3/16/12	Approved	
1310	STRUC-1	STRUC-1 DB4701 (REV2) (120301)	25483-000-DB-4710-00001	2	Aqueous Ammonia tank, Sump & pump skid foundation plan & Details	Drawing	Civil	Vaughen, William		3/1/12	ZB	GAKG-01149	3/8/12	Recalled	3/8/12	Superseded by later revision	Bechtel Engineering to Revise Response to Comments to Remove reference to Scop Book; V2A-MPPM-00005 & V2A-MPPM-00006 included for reference	
1311	STRUC-1	STRUC-1 DB4701 (REV3) (120308)	25483-000-DB-4710-00001	2	Aqueous Ammonia tank, Sump & pump skid foundation plan & Details	Drawing	Civil	Vaughen, William		3/8/12	ZB	GAKG-01186	3/15/12	3/16/12			CBO Comments Received - zipped with document	
1317	STRUC-1	STRUC-1 DB6104 (REV1) (120313)	25483-000-DB-6110-00003	1	FG Compressor Area Weather Monitoring Station Foundation Plan and Section	Drawing	Civil			3/13/12	ZB	GAKG-01197	3/20/12	3/16/12	x	3/16/12	Approved	
1354	STRUC-1	STRUC-1 DB7112 (REV1) (120313)	25483-000-DB-7111-00006	1	Zero Liquid Discharge (ZLD) Area, Chemical Storage Shed, Foundation plan & Details	Drawing	Civil			3/13/12	AM	GAKG-01196	3/20/12					
1367	STRUC-1	STRUC-1 DB7115 (REV6) (120222)	25483-000-DB-7111-00008	5	Zero Liquid Discharge Area, Sump, Plan, Section & Details	Drawing	Civil	Vaughen, William		2/22/12	ZB	GAKG-01131	2/29/12	2/22/12	3/16/12	Superseded by later revision	CBO Comments Received - zipped with document	
1368	STRUC-1	STRUC-1 DB7115 (REV7) (120222)	25483-000-DB-7111-00008	6	Zero Liquid Discharge Area, Sump, Plan, Section & Details	Drawing	Civil	Vaughen, William		3/16/12	ZB	GAKG-01209	3/23/12				Response to Comments Submitted to the CBO for Approval	
1373	STRUC-1	STRUC-1 DB7118 (REV4) (120301)	25483-000-DB-7111-00009	4	Zero Liquid Discharge Area, Belt Pressure Filter Foundation, Plan, Section and Details	Drawing	Civil			3/1/12	ZB	GAKG-01150	3/8/12	3/7/12	x	3/7/12	Approved	
1411	STRUC-1	STRUC-1 DB7206 (REV0) (120228)	25483-000-DB-7210-00006	0	Cooling Tower Area Chemical Tanks Foundation Plan and Section	Drawing	Civil			2/28/12	ZB	GAKG-01145	3/16/12	3/13/12			CBO Comments Received - zipped with document	
1415	STRUC-1	STRUC-1 DB7205 (REV1) (120307)	25483-000-DB-7210-00009	1	Cooling Tower Basin Area, Foundation Plan for Pipe Risers, Stair & Ladder Pad (Sheet 1)	Drawing	Civil	Ong, Edward		3/7/12	ZB	GAKG-01180	3/14/12	3/12/12	3/14/12	Superseded by later revision	CBO Comments Received - zipped with document	
1416	STRUC-1	STRUC-1 DB7205 (REV2) (120314)	25483-000-DB-7210-00009	1	Cooling Tower Basin Area, Foundation Plan for Pipe Risers, Stair & Ladder Pad (Sheet 1)	Drawing	Civil	Ong, Edward		3/14/12	ZB	GAKG-01204	3/21/12	3/16/12			CBO Comments Received - zipped with document	
1417	STRUC-1	STRUC-1 DB7205 (REV3) (120320)	25483-000-DB-7210-00009	1	Cooling Tower Basin Area, Foundation Plan for Pipe Risers, Stair & Ladder Pad (Sheet 1)	Drawing	Civil	Ong, Edward		3/20/12	ZB	GAKG-01216	3/27/12				Response to CBO Comments Submitted for Approval	
1418	STRUC-1	STRUC-1 DB7205 (REV1) (120307)	25483-000-DB-7210-00010	1	Cooling Tower Basin Area, Foundation Plan for Pipe Risers, Stair & Ladder Pad (Sheet 2)	Drawing	Civil	Ong, Edward		3/7/12	ZB	GAKG-01180	3/14/12	3/12/12	3/14/12	Superseded by later revision	CBO Comments Received - zipped with document	
1419	STRUC-1	STRUC-1 DB7205 (REV2) (120314)	25483-000-DB-7210-00010	2	Cooling Tower Basin Area, Foundation Plan for Pipe Risers, Stair & Ladder Pad (Sheet 2)	Drawing	Civil	Ong, Edward		3/14/12	ZB	GAKG-01204	3/21/12	3/16/12			CBO Comments Received - zipped with document	
1420	STRUC-1	STRUC-1 DB7205 (REV3) (120320)	25483-000-DB-7210-00010	2	Cooling Tower Basin Area, Foundation Plan for Pipe Risers, Stair & Ladder Pad (Sheet 2)	Drawing	Civil	Ong, Edward		3/20/12	ZB	GAKG-01216	3/27/12				Response to CBO Comments Submitted for Approval	
1471	STRUC-1	STRUC-1 DB1111 (REV3) (120312)	25483-000-DBC-1111-00001	1	HRSG area Chemical shed foundation design	Calculation	Civil			3/12/12	ZB	GAKG-01192	3/19/12	3/16/12	x	3/16/12	Approved	
1475	STRUC-1	STRUC-1 DB1111 (REV3) (120312)	25483-000-DBC-1111-00002	1	HRSG Area Misc Foundation- Analysis & Design	Calculation	Civil			3/12/12	ZB	GAKG-01192	3/19/12	3/16/12	x	3/16/12	Approved	
1533	STRUC-1	STRUC-1 DB4701 (REV2) (120301)	25483-000-DBC-4710-00001	2	Design of Aqueous Ammonia tank & sump foundation	Calculation	Civil	Vaughen, William		3/1/12	ZB	GAKG-01149	3/8/12	Recalled	3/8/12	Superseded by later revision	Bechtel Engineering to Revise Response to Comments to Remove reference to Scop Book; V2A-MPPM-00005 & V2A-MPPM-00006 included for reference	
1534	STRUC-1	STRUC-1 DB4701 (REV3) (120308)	25483-000-DBC-4710-00001	2	Design of Aqueous Ammonia tank & sump foundation	Calculation	Civil	Vaughen, William		3/8/12	ZB	GAKG-01186	3/15/12	3/16/12			CBO Comments Received - zipped with document	
1540	STRUC-1	STRUC-1 SS6101 (REV2) (120308)	25483-000-DBC-6110-00002	1	Design of FG Compressor area slab	Calculation	Structural	Kaszpurenko, Mike		3/8/12	ZB	GAKG-01187	3/15/12	3/16/12	3/19/12	Superseded by later revision	CBO Comments Received - zipped with document	
1541	STRUC-1	STRUC-1 SS6101 (REV3) (120319)	25483-000-DBC-6110-00002	1	Design of FG Compressor area slab	Calculation	Structural	Kaszpurenko, Mike		3/19/12	ZB	GAKG-01212	3/26/12				Response to Comments Submitted to the CBO for Approval	
1543	STRUC-1	STRUC-1 DB6104 (REV1) (120313)	25483-000-DBC-6110-00003	1	Design of Foundation for Weather Monitoring Station	Calculation	Civil			3/13/12	ZB	GAKG-01197	3/20/12	3/16/12	x	3/16/12	Approved	
1579	STRUC-1	STRUC-1 DB7112 (REV1) (120313)	25483-000-DBC-7111-00006	1	Chemical Storage Shed Foundation	Calculation	Civil			3/13/12	AM	GAKG-01196	3/20/12					
1592	STRUC-1	STRUC-1 DB7115 (REV6) (120222)	25483-000-DBC-7111-00008	4	ZLD Area Sump	Calculation	Civil	Vaughen, William		2/22/12	ZB	GAKG-01131	2/29/12	2/22/12	3/16/12	Superseded by later revision	CBO Comments Received - zipped with document	
1593	STRUC-1	STRUC-1 DB7115 (REV7) (120222)	25483-000-DBC-7111-00008	4	ZLD Area Sump	Calculation	Civil	Vaughen, William		3/16/12	ZB	GAKG-01209	3/23/12				Response to Comments Submitted to the CBO for Approval	
1598	STRUC-1	STRUC-1 DB7118 (REV4) (120301)	25483-000-DBC-7111-00009	2	ZLD area Foundation for Belt Pressure Filter Platform	Calculation	Civil			3/1/12	ZB	GAKG-01150	3/8/12	3/7/12	x	3/7/12	Approved	
1621	STRUC-1	STRUC-1 DB7206 (REV1) (120307)	25483-000-DBC-7210-00002	1	Design of mat foundation for Cooling Tower Riser Support	Calculation	Civil	Ong, Edward		3/7/12	ZB	GAKG-01180	3/14/12	3/12/12	3/14/12	Superseded by later revision	CBO Comments Received - zipped with document	
1622	STRUC-1	STRUC-1 DB7205 (REV2) (120314)	25483-000-DBC-7210-00002	1	Design of mat foundation for Cooling Tower Riser Support	Calculation	Civil	Ong, Edward		3/14/12	ZB	GAKG-01204	3/21/12	3/16/12			CBO Comments Received - zipped with document	
1623	STRUC-1	STRUC-1 DB7205 (REV3) (120320)	25483-000-DBC-7210-00002	1	Design of mat foundation for Cooling Tower Riser Support	Calculation	Civil	Ong, Edward		3/20/12	ZB	GAKG-01216	3/27/12				Response to CBO Comments Submitted for Approval	

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1629	STRUC-1	STRUC-1 SS7301 (REV1) (120312)	25483-000-DBC-7210-00003	1	Design of CW Fore bay Sound Wall and platform Mat Foundation	Calculation	Structural	Radev, Latchezar		3/12/12	ZB	GAKG-01193	3/19/12				Response to CBO Comments Submitted for Approval	
1633	STRUC-1	STRUC-1 SS7203 (REV1) (120228)	25483-000-DBC-7210-00004	0	Chemical Feed Skid Tote Foundation	Calculation Reference	Civil	Radev, Latchezar		2/28/12	ZB	GAKG-01144	3/7/12	3/6/12		3/6/12	Approved with Conditions - zipped with document	
1635	STRUC-1	STRUC-1 DB7204 (REV1) (120316)	25483-000-DBC-7210-00005	1	Design of mat foundation for Cooling Tower Cable Tray Support	Calculation	Civil	Ong, Edward		3/16/12	ZB	GAKG-01210	3/23/12	3/16/12	3/22/12	Superseded by later revision	CBO Comments Received - zipped with Document	
1638	STRUC-1	STRUC-1 DB7206 (REV0) (120228)	25483-000-DBC-7210-00006	0	Design of CL02 Skid and Shelter Foundation	Calculation	Civil			2/28/12	ZB	GAKG-01145	3/16/12	3/13/12			CBO Comments Received - zipped with document	
1731	STRUC-1	STRUC-1 DB6104 (REV1) (120313)	25483-000-KOC-0000-00005	0	Design of Foundation for Weather Monitoring Station	Calculation	Civil			3/13/12	ZB	GAKG-01197	3/20/12	3/16/12	x	3/16/12	Reviewed for Reference	
1732	STRUC-1	STRUC-1 DB7205 (REV2) (120314)	25483-000-KOC-0000-00005	0	Russell City - Shallow Foundations	Drawing for Reference	Civil	Ong, Edward		3/14/12	ZB	GAKG-01204	3/21/12	3/16/12			CBO Comments Received - zipped with document	
1733	STRUC-1	STRUC-1 DB7205 (REV3) (120320)	25483-000-KOC-0000-00005	0	Russell City - Shallow Foundations	Drawing for Reference	Civil	Ong, Edward		3/20/12	ZB	GAKG-01216	3/27/12				Response to CBO Comments Submitted for Approval	
1749	STRUC-1	STRUC-1 SS1101 (REV1) (120313)	25483-000-SS-1100-00001	0	HRSG area Sunshade, Isometric View,	Drawing	Structural	Radev, Latchezar		3/13/12	ZB	GAKG-01195	3/20/12	3/16/12		3/16/12	Approved with Conditions - zipped with document	
1751	STRUC-1	STRUC-1 SS1101 (REV1) (120313)	25483-000-SS-1100-00002	0	HRSG area Sunshade, Plan at El 11'-1" (Base Plate plan)	Drawing	Structural	Radev, Latchezar		3/13/12	ZB	GAKG-01195	3/20/12	3/16/12		3/16/12	Approved with Conditions - zipped with document	
1753	STRUC-1	STRUC-1 SS1101 (REV1) (120313)	25483-000-SS-1100-00003	0	HRSG area Sunshade, Plan at roof Level	Drawing	Structural	Radev, Latchezar		3/13/12	ZB	GAKG-01195	3/20/12	3/16/12		3/16/12	Approved with Conditions - zipped with document	
1767	STRUC-1	STRUC-1 SS1101 (REV1) (120313)	25483-000-SS-1190-00001	0	HRSG area Sunshade, Elevation Along Grid A, B, 1 & 2	Drawing	Structural	Radev, Latchezar		3/13/12	ZB	GAKG-01195	3/20/12	3/16/12		3/16/12	Approved with Conditions - zipped with document	
1769	STRUC-1	STRUC-1 SS1101 (REV1) (120313)	25483-000-SS-1191-00001	0	HRSG area Sunshade, Plan for purlin	Drawing	Structural	Radev, Latchezar		3/13/12	ZB	GAKG-01195	3/20/12	3/16/12		3/16/12	Approved with Conditions - zipped with document	
1771	STRUC-1	STRUC-1 SS1101 (REV1) (120313)	25483-000-SS-1192-00001	1	HRSG area Sunshade, Base plate & beam connection Details	Drawing	Structural	Radev, Latchezar		3/13/12	ZB	GAKG-01195	3/20/12	3/16/12		3/16/12	Approved with Conditions - zipped with document	
1773	STRUC-1	STRUC-1 SS1101 (REV1) (120313)	25483-000-SS-1192-00002	0	HRSG area Sunshade, H_brace connection details	Drawing	Structural	Radev, Latchezar		3/13/12	ZB	GAKG-01195	3/20/12	3/16/12		3/16/12	Approved with Conditions - zipped with document	
1775	STRUC-1	STRUC-1 SS1101 (REV1) (120313)	25483-000-SS-1192-00003	0	HRSG area Sunshade, V_brace connection details	Drawing	Structural	Radev, Latchezar		3/13/12	ZB	GAKG-01195	3/20/12	3/16/12		3/16/12	Approved with Conditions - zipped with document	
1777	STRUC-1	STRUC-1 SS1101 (REV1) (120313)	25483-000-SS-1192-00004	0	HRSG area Sunshade, V_brace connection details	Drawing	Structural	Radev, Latchezar		3/13/12	ZB	GAKG-01195	3/20/12	3/16/12		3/16/12	Approved with Conditions - zipped with document	
1779	STRUC-1	STRUC-1 SS1101 (REV1) (120313)	25483-000-SS-1192-00005	0	HRSG area Sunshade, Purlin & Girt connection	Drawing	Structural	Radev, Latchezar		3/13/12	ZB	GAKG-01195	3/20/12	3/16/12		3/16/12	Approved with Conditions - zipped with document	
1865	STRUC-1	STRUC-1 SS2104 (REV2) (120307)	25483-000-SS-2192-00001	0	STEAM TURBINE UNIT #3 GRATING PLAN AT EL. +31'-1 1/2"	Drawing	Structural	Radev, Latchezar		3/7/12	ZB	GAKG-01175	3/14/12	3/14/12	x	3/14/12	Approved	
1868	STRUC-1	STRUC-1 SS2104 (REV2) (120307)	25483-000-SS-2192-00002	0	STEAM TURBINE UNIT #3 GRATING PLAN AT EL. +32'-1 1/2"	Drawing	Structural	Radev, Latchezar		3/7/12	ZB	GAKG-01175	3/14/12	3/14/12	x	3/14/12	Approved	
1871	STRUC-1	STRUC-1 SS2104 (REV2) (120307)	25483-000-SS-2192-00003	0	STEAM TURBINE UNIT #3 GRATING PLAN AT EL. +32'-1 1/2"	Drawing	Structural	Radev, Latchezar		3/7/12	ZB	GAKG-01175	3/14/12	3/14/12	x	3/14/12	Approved	
1874	STRUC-1	STRUC-1 SS2104 (REV2) (120307)	25483-000-SS-2192-00004	0	STEAM TURBINE UNIT #3 GRATING PLAN AT EL. +31'-1 1/2"	Drawing	Structural	Radev, Latchezar		3/7/12	ZB	GAKG-01175	3/14/12	3/14/12	x	3/14/12	Approved	
1877	STRUC-1	STRUC-1 SS2104 (REV2) (120307)	25483-000-SS-2192-00005	0	STEAM TURBINE UNIT #3 GRATING PLAN AT EL. +31'-1 1/2"	Drawing	Structural	Radev, Latchezar		3/7/12	ZB	GAKG-01175	3/14/12	3/14/12	x	3/14/12	Approved	
1880	STRUC-1	STRUC-1 SS2104 (REV2) (120307)	25483-000-SS-2192-00006	0	STEAM TURBINE UNIT #3 GRATING PLAN AT EL. +37'-0"	Drawing	Structural	Radev, Latchezar		3/7/12	ZB	GAKG-01175	3/14/12	3/14/12	x	3/14/12	Approved	
1883	STRUC-1	STRUC-1 SS2104 (REV2) (120307)	25483-000-SS-2192-00007	0	STEAM TURBINE UNIT #3 GRATING PLAN AT EL. +39'-4"	Drawing	Structural	Radev, Latchezar		3/7/12	ZB	GAKG-01175	3/14/12	3/14/12	x	3/14/12	Approved	
1886	STRUC-1	STRUC-1 SS2104 (REV2) (120307)	25483-000-SS-2192-00008	0	STEAM TURBINE UNIT #3 GRATING PLAN AT EL. +49'-4"	Drawing	Structural	Radev, Latchezar		3/7/12	ZB	GAKG-01175	3/14/12	3/14/12	x	3/14/12	Approved	
1889	STRUC-1	STRUC-1 SS2104 (REV2) (120307)	25483-000-SS-2192-00009	0	STEAM TURBINE UNIT #3 GRATING PLAN AT EL. +49'-4"	Drawing	Structural	Radev, Latchezar		3/7/12	ZB	GAKG-01175	3/14/12	3/14/12	x	3/14/12	Approved	
1892	STRUC-1	STRUC-1 SS2104 (REV2) (120307)	25483-000-SS-2192-00010	0	STEAM TURBINE UNIT #3 GRATING PLAN AT EL. +63'-4 1/2"	Drawing	Structural	Radev, Latchezar		3/7/12	ZB	GAKG-01175	3/14/12	3/14/12	x	3/14/12	Approved	
1895	STRUC-1	STRUC-1 SS2104 (REV2) (120307)	25483-000-SS-2192-00011	0	STEAM TURBINE UNIT #3 GRATING PLAN AT EL. +73'-5 1/2"	Drawing	Structural	Radev, Latchezar		3/7/12	ZB	GAKG-01175	3/14/12	3/14/12	x	3/14/12	Approved	
1898	STRUC-1	STRUC-1 SS2104 (REV2) (120307)	25483-000-SS-2192-00012	0	STEAM TURBINE UNIT #3 GRATING PLAN AT EL. +31'-1 1/2"	Drawing	Structural	Radev, Latchezar		3/7/12	ZB	GAKG-01175	3/14/12	3/14/12	x	3/14/12	Approved	
1951	STRUC-1	STRUC-1 SS3301 (REV1) (120301)	25483-000-SS-3410-00001	1	Main STG GSU Transformer, Isometric View	Drawing	Structural			3/1/12	ZB	GAKG-01148	3/7/12	3/6/12	3/13/12	Superseded by later revision	CBO Comments Received - zipped with document	
1952	STRUC-1	STRUC-1 SS3301 (REV2) (120313)	25483-000-SS-3410-00001	1	Main STG GSU Transformer, Isometric View	Drawing	Structural			3/13/12	ZB	GAKG-01198	3/20/12	3/15/12	x	3/15/12	Approved	

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 Hayward, CA 94545

Bechtel Job 25483

SORT ORDER	COC Number	CBO Reference Number	Document Number	Rev	Document Title	Document Type	Responsible Discipline	Reviewer	Scheduled to CBO	Actual to CBO	RPE Seal	Transmittal Letter Number	Requested Approval Date	CBO Response Date	Re-Submittal Responses to Comments	CBO Approval Date	Comments	DOCUMENTS SUBMITTED TO CBO
1954	STRUC-1	STRUC-1 SS3301 (REV1) (120301)	25483-000-SS-3410-00002	0	Main STG GSU Transformer, Plan at EL 9'-10 1/2" (TOS)	Drawing	Structural			3/1/12	ZB	GAKG-01148	3/7/12	3/6/12	3/13/12	Superseded by later revision	CBO Comments Received - zipped with document	
1955	STRUC-1	STRUC-1 SS3301 (REV2) (120313)	25483-000-SS-3410-00002	0	Main STG GSU Transformer, Plan at EL 9'-10 1/2" (TOS)	Drawing	Structural			3/13/12	ZB	GAKG-01198	3/20/12	3/15/12	x	3/15/12	Approved	
1957	STRUC-1	STRUC-1 SS3301 (REV1) (120301)	25483-000-SS-3410-00003	1	Main STG GSU Transformer, Grating Plan At EL +10'-0" (TOG)	Drawing	Structural			3/1/12	ZB	GAKG-01148	3/7/12	3/6/12	3/13/12	Superseded by later revision	CBO Comments Received - zipped with document	
1958	STRUC-1	STRUC-1 SS3301 (REV2) (120313)	25483-000-SS-3410-00003	1	Main STG GSU Transformer, Grating Plan At EL +10'-0" (TOG)	Drawing	Structural			3/13/12	ZB	GAKG-01198	3/20/12	3/15/12	x	3/15/12	Approved	
1959	STRUC-1	STRUC-1 SS3301 (REV1) (120301)	25483-000-SS-3410-00004	1	Main STG GSU Transformer, Grating Plan At EL +10'-0" (TOG)	Drawing	Structural			3/1/12	ZB	GAKG-01148	3/7/12	3/6/12	3/13/12	Superseded by later revision	CBO Comments Received - zipped with document	
1960	STRUC-1	STRUC-1 SS3301 (REV2) (120313)	25483-000-SS-3410-00004	1	Main STG GSU Transformer, Grating Plan At EL +10'-0" (TOG)	Drawing	Structural			3/13/12	ZB	GAKG-01198	3/20/12	3/15/12	x	3/15/12	Approved	
1962	STRUC-1	STRUC-1 SS3301 (REV1) (120301)	25483-000-SS-3510-00001	1	CT Transformer, Unit 1 & Unit 2, Isometric View	Drawing	Structural			3/1/12	ZB	GAKG-01148	3/7/12	3/6/12	3/13/12	Superseded by later revision	CBO Comments Received - zipped with document	
1963	STRUC-1	STRUC-1 SS3301 (REV2) (120313)	25483-000-SS-3510-00001	1	CT Transformer, Unit 1 & Unit 2, Isometric View	Drawing	Structural			3/13/12	ZB	GAKG-01198	3/20/12	3/15/12	x	3/15/12	Approved	
1965	STRUC-1	STRUC-1 SS3301 (REV1) (120301)	25483-000-SS-3510-00002	0	CT Transformer, Unit 1 & Unit 2, Plan At EL +9'-10 1/2" (TOS)	Drawing	Structural			3/1/12	ZB	GAKG-01148	3/7/12	3/6/12	3/13/12	Superseded by later revision	CBO Comments Received - zipped with document	
1966	STRUC-1	STRUC-1 SS3301 (REV2) (120313)	25483-000-SS-3510-00002	0	CT Transformer, Unit 1 & Unit 2, Plan At EL +9'-10 1/2" (TOS)	Drawing	Structural			3/13/12	ZB	GAKG-01198	3/20/12	3/15/12	x	3/15/12	Approved	
1968	STRUC-1	STRUC-1 SS3301 (REV1) (120301)	25483-000-SS-3510-00003	1	CT Transformer, Unit 1 & Unit 2, Grating Plan At EL +10'-0" (TOG)	Drawing	Structural			3/1/12	ZB	GAKG-01148	3/7/12	3/6/12	3/13/12	Superseded by later revision	CBO Comments Received - zipped with document	
1969	STRUC-1	STRUC-1 SS3301 (REV2) (120313)	25483-000-SS-3510-00003	1	CT Transformer, Unit 1 & Unit 2, Grating Plan At EL +10'-0" (TOG)	Drawing	Structural			3/13/12	ZB	GAKG-01198	3/20/12	3/15/12	x	3/15/12	Approved	
1971	STRUC-1	STRUC-1 SS3301 (REV1) (120301)	25483-000-SS-3510-00004	1	CT Transformer, Unit 1 & Unit 2, Base Plate & Beam connection details	Drawing	Structural			3/1/12	ZB	GAKG-01148	3/7/12	3/6/12	3/13/12	Superseded by later revision	CBO Comments Received - zipped with document	
1972	STRUC-1	STRUC-1 SS3301 (REV2) (120313)	25483-000-SS-3510-00004	1	CT Transformer, Unit 1 & Unit 2, Base Plate & Beam connection details	Drawing	Structural			3/13/12	ZB	GAKG-01198	3/20/12	3/15/12	x	3/15/12	Approved	
1975	STRUC-1	STRUC-1 SS6101 (REV2) (120308)	25483-000-SS-6110-00001	0	FG Sound wall, Isometric View	Drawing	Structural	Kaszpurenko, Mike		3/8/12	ZB	GAKG-01187	3/15/12	3/16/12	3/19/12	Superseded by later revision	CBO Comments Received - zipped with document	
1976	STRUC-1	STRUC-1 SS6101 (REV3) (120319)	25483-000-SS-6110-00001	0	FG Sound wall, Isometric View	Drawing	Structural	Kaszpurenko, Mike		3/19/12	ZB	GAKG-01212	3/26/12				Response to Comments Submitted to the CBO for Approval	
1979	STRUC-1	STRUC-1 SS6101 (REV2) (120308)	25483-000-SS-6110-00002	0	FG Sound wall, Plan at El 11'-1"	Drawing	Structural	Kaszpurenko, Mike		3/8/12	ZB	GAKG-01187	3/15/12	3/16/12	3/19/12	Superseded by later revision	CBO Comments Received - zipped with document	
1980	STRUC-1	STRUC-1 SS6101 (REV3) (120319)	25483-000-SS-6110-00002	0	FG Sound wall, Plan at El 11'-1"	Drawing	Structural	Kaszpurenko, Mike		3/19/12	ZB	GAKG-01212	3/26/12				Response to Comments Submitted to the CBO for Approval	
1983	STRUC-1	STRUC-1 SS6101 (REV2) (120308)	25483-000-SS-6110-00003	0	FG Sound wall, Elevation on grid 1, 6, A & I	Drawing	Structural	Kaszpurenko, Mike		3/8/12	ZB	GAKG-01187	3/15/12	3/16/12	3/19/12	Superseded by later revision	CBO Comments Received - zipped with document	
1984	STRUC-1	STRUC-1 SS6101 (REV3) (120319)	25483-000-SS-6110-00003	0	FG Sound wall, Elevation on grid 1, 6, A & I	Drawing	Structural	Kaszpurenko, Mike		3/19/12	ZB	GAKG-01212	3/26/12				Response to Comments Submitted to the CBO for Approval	
1987	STRUC-1	STRUC-1 SS6101 (REV2) (120308)	25483-000-SS-6110-00004	1	FG Sound wall, Girt Elevations	Drawing	Structural	Kaszpurenko, Mike		3/8/12	ZB	GAKG-01187	3/15/12	3/16/12	3/19/12	Superseded by later revision	CBO Comments Received - zipped with document	
1988	STRUC-1	STRUC-1 SS6101 (REV3) (120319)	25483-000-SS-6110-00004	1	FG Sound wall, Girt Elevations	Drawing	Structural	Kaszpurenko, Mike		3/19/12	ZB	GAKG-01212	3/26/12				Response to Comments Submitted to the CBO for Approval	
1991	STRUC-1	STRUC-1 SS6101 (REV2) (120308)	25483-000-SS-6110-00005	2	FG Sound wall, Base plate, Beam & Girt Connection detail	Drawing	Structural	Kaszpurenko, Mike		3/8/12	ZB	GAKG-01187	3/15/12	3/16/12	3/19/12	Superseded by later revision	CBO Comments Received - zipped with document	
1992	STRUC-1	STRUC-1 SS6101 (REV3) (120319)	25483-000-SS-6110-00005	3	FG Sound wall, Base plate, Beam & Girt Connection detail	Drawing	Structural	Kaszpurenko, Mike		3/19/12	ZB	GAKG-01212	3/26/12				Response to Comments Submitted to the CBO for Approval	
1995	STRUC-1	STRUC-1 SS6101 (REV2) (120308)	25483-000-SS-6110-00006	1	FG Sound Wall V-Brace Connection Details	Drawing	Structural	Kaszpurenko, Mike		3/8/12	ZB	GAKG-01187	3/15/12	3/16/12	3/19/12	Superseded by later revision	CBO Comments Received - zipped with document	
1996	STRUC-1	STRUC-1 SS6101 (REV3) (120319)	25483-000-SS-6110-00006	1	FG Sound Wall V-Brace Connection Details	Drawing	Structural	Kaszpurenko, Mike		3/19/12	ZB	GAKG-01212	3/26/12				Response to Comments Submitted to the CBO for Approval	
2024	STRUC-1	STRUC-1 SS7204 (REV0) (120314)	25483-000-SS-7201-00001	0	CT Area Chemical Tank Shed Isometric View	Drawing	Structural			3/14/12	ZB	GAKG-01206	4/4/12					
2025	STRUC-1	STRUC-1 SS7204 (REV0) (120314)	25483-000-SS-7201-00002	0	CT Area Chemical Tank Shed Plan At El. 13ft 7in (Base Plate Plan)	Drawing	Structural			3/14/12	ZB	GAKG-01206	4/4/12					
2026	STRUC-1	STRUC-1 SS7204 (REV0) (120314)	25483-000-SS-7201-00003	0	CT Area Chemical Tank Shed Roof Plan	Drawing	Structural			3/14/12	ZB	GAKG-01206	4/4/12					
2027	STRUC-1	STRUC-1 SS7204 (REV0) (120314)	25483-000-SS-7201-00004	0	CT Area Chemical Tank Shed Plan for Purlin	Drawing	Structural			3/14/12	ZB	GAKG-01206	4/4/12					
2028	STRUC-1	STRUC-1 SS7204 (REV0) (120314)	25483-000-SS-7209-00001	0	CT Area Chemical Tank Shed Elevation Along Grid A and B	Drawing	Structural			3/14/12	ZB	GAKG-01206	4/4/12					
2029	STRUC-1	STRUC-1 SS7204 (REV0) (120314)	25483-000-SS-7209-00002	0	CT Area Chemical Tank Shed Connection Details	Drawing	Structural			3/14/12	ZB	GAKG-01206	4/4/12					

CEC No. 01-AFC-07C  
 RUSSELL CITY ENERGY CENTER  
 CBO SUBMITTALS LIST

Tracking Field

25483-000-G02-GGG-00022-000  
 GEN2-0004 (REV 21)

Project Address: 3862 Depot Road,  
 Hayward, CA 94545

Bechtel Job 25483

SORT ORDER	COC Number	CBO Reference Number	Document Number	Rev	Document Title	Document Type	Responsible Discipline	Reviewer	Scheduled to CBO	Actual to CBO	RPE Seal	Transmittal Letter Number	Requested Approval Date	CBO Response Date	Re-Submittal Responses to Comments	CBO Approval Date	Comments	DOCUMENTS SUBMITTED TO CBO
2030	STRUC-1	STRUC-1 SS7204 (REV0) (120314)	25483-000-SS-7209-00003	0	CT Area Chemical Tank Shed H Brace Connection Details	Drawing	Structural			3/14/12	ZB	GAKG-01206	4/4/12					
2031	STRUC-1	STRUC-1 SS7204 (REV0) (120314)	25483-000-SS-7209-00004	0	CT Area Chemical Tank Shed V Brace Connection Details	Drawing	Structural			3/14/12	ZB	GAKG-01206	4/4/12					
2032	STRUC-1	STRUC-1 SS7204 (REV0) (120314)	25483-000-SS-7209-00005	0	CT Area Chemical Tank Shed V Brace Connection Details	Drawing	Structural			3/14/12	ZB	GAKG-01206	4/4/12					
2082	STRUC-1	STRUC-1 SS7203 (REV1) (120228)	25483-000-SS-7220-00001	0	CT Chemical Tote Shed, Isometric View	Drawing	Civil	Radev, Latchezar		2/28/12	ZB	GAKG-01144	3/7/12	3/6/12		3/6/12	Approved with Conditions - zipped with document	
2084	STRUC-1	STRUC-1 SS7203 (REV1) (120228)	25483-000-SS-7220-00002	0	CT Chemical Tote Shed, Plan @ EL 11'-11" (Base Plate Plan)	Drawing	Civil	Radev, Latchezar		2/28/12	ZB	GAKG-01144	3/7/12	3/6/12		3/6/12	Approved with Conditions - zipped with document	
2086	STRUC-1	STRUC-1 SS7203 (REV1) (120228)	25483-000-SS-7220-00003	0	CT Chemical Tote Shed, Plan @ Roof level	Drawing	Civil	Radev, Latchezar		2/28/12	ZB	GAKG-01144	3/7/12	3/6/12		3/6/12	Approved with Conditions - zipped with document	
2088	STRUC-1	STRUC-1 SS7203 (REV1) (120228)	25483-000-SS-7229-00001	1	CT Chemical Tote Shed, Elevation along Grid 1 & 2	Drawing	Civil	Radev, Latchezar		2/28/12	ZB	GAKG-01144	3/7/12	3/6/12		3/6/12	Approved with Conditions - zipped with document	
2090	STRUC-1	STRUC-1 SS7203 (REV1) (120228)	25483-000-SS-7229-00002	0	CT Chemical Tote Shed, Elevation along Grid A, B & C	Drawing	Civil	Radev, Latchezar		2/28/12	ZB	GAKG-01144	3/7/12	3/6/12		3/6/12	Approved with Conditions - zipped with document	
2092	STRUC-1	STRUC-1 SS7203 (REV1) (120228)	25483-000-SS-7229-00003	0	CT Chemical Tote Shed, Elevation along Grid 1, A & C	Drawing	Civil	Radev, Latchezar		2/28/12	ZB	GAKG-01144	3/7/12	3/6/12		3/6/12	Approved with Conditions - zipped with document	
2094	STRUC-1	STRUC-1 SS7203 (REV1) (120228)	25483-000-SS-7229-00004	0	CT Chemical Tote Shed, Plan for Purlin	Drawing	Civil	Radev, Latchezar		2/28/12	ZB	GAKG-01144	3/7/12	3/6/12		3/6/12	Approved with Conditions - zipped with document	
2096	STRUC-1	STRUC-1 SS7203 (REV1) (120228)	25483-000-SS-7229-00005	0	CT Chemical Tote Shed, Base pit & beam connection details	Drawing	Civil	Radev, Latchezar		2/28/12	ZB	GAKG-01144	3/7/12	3/6/12		3/6/12	Approved with Conditions - zipped with document	
2098	STRUC-1	STRUC-1 SS7203 (REV1) (120228)	25483-000-SS-7229-00006	0	CT Chemical Tote Shed, H_Brace Connection details	Drawing	Civil	Radev, Latchezar		2/28/12	ZB	GAKG-01144	3/7/12	3/6/12		3/6/12	Approved with Conditions - zipped with document	
2100	STRUC-1	STRUC-1 SS7203 (REV1) (120228)	25483-000-SS-7229-00007	0	CT Chemical Tote Shed, V_Brace Connection details	Drawing	Civil	Radev, Latchezar		2/28/12	ZB	GAKG-01144	3/7/12	3/6/12		3/6/12	Approved with Conditions - zipped with document	
2102	STRUC-1	STRUC-1 SS7203 (REV1) (120228)	25483-000-SS-7229-00008	0	CT Chemical Tote Shed, Purlin & Girt connection details	Drawing	Civil	Radev, Latchezar		2/28/12	ZB	GAKG-01144	3/7/12	3/6/12		3/6/12	Approved with Conditions - zipped with document	
2104	STRUC-1	STRUC-1 SS7301 (REV1) (120312)	25483-000-SS-7310-00001	0	Fore bay Sound wall, Isometric View	Drawing	Structural	Radev, Latchezar		3/12/12	ZB	GAKG-01193	3/19/12				Response to CBO Comments Submitted for Approval	
2106	STRUC-1	STRUC-1 SS7301 (REV1) (120312)	25483-000-SS-7310-00002	0	Fore bay Sound wall, Plan @ EL 11'-11" (Base Plate Plan)	Drawing	Structural	Radev, Latchezar		3/12/12	ZB	GAKG-01193	3/19/12				Response to CBO Comments Submitted for Approval	
2108	STRUC-1	STRUC-1 SS7301 (REV1) (120312)	25483-000-SS-7310-00003	1	Fore bay Sound wall, Plan @ EL 18'-6" & 24'-0" (TOS)	Drawing	Structural	Radev, Latchezar		3/12/12	ZB	GAKG-01193	3/19/12				Response to CBO Comments Submitted for Approval	
2138	STRUC-1	STRUC-1 SS7301 (REV1) (120312)	25483-000-SS-7390-00001	1	Fore bay Sound wall, Elevation along Grid 1, A & B	Drawing	Structural	Radev, Latchezar		3/12/12	ZB	GAKG-01193	3/19/12				Response to CBO Comments Submitted for Approval	
2140	STRUC-1	STRUC-1 SS7301 (REV1) (120312)	25483-000-SS-7390-00002	1	Fore bay Sound wall, Elevation along Grid A, B & C	Drawing	Structural	Radev, Latchezar		3/12/12	ZB	GAKG-01193	3/19/12				Response to CBO Comments Submitted for Approval	
2142	STRUC-1	STRUC-1 SS7301 (REV1) (120312)	25483-000-SS-7390-00003	0	Fore bay Sound wall, Base plate & beam connection details	Drawing	Structural	Radev, Latchezar		3/12/12	ZB	GAKG-01193	3/19/12				Response to CBO Comments Submitted for Approval	
2144	STRUC-1	STRUC-1 SS7301 (REV1) (120312)	25483-000-SS-7390-00004	0	Fore bay Sound wall, H_Brace Connection details	Drawing	Structural	Radev, Latchezar		3/12/12	ZB	GAKG-01193	3/19/12				Response to CBO Comments Submitted for Approval	
2146	STRUC-1	STRUC-1 SS7301 (REV1) (120312)	25483-000-SS-7390-00005	0	Fore bay Sound wall, V_Brace Connection details	Drawing	Structural	Radev, Latchezar		3/12/12	ZB	GAKG-01193	3/19/12				Response to CBO Comments Submitted for Approval	
2148	STRUC-1	STRUC-1 SS7301 (REV1) (120312)	25483-000-SS-7390-00006	0	Fore bay Sound wall, V_Brace Connection details	Drawing	Structural	Radev, Latchezar		3/12/12	ZB	GAKG-01193	3/19/12				Response to CBO Comments Submitted for Approval	
2150	STRUC-1	STRUC-1 SS7301 (REV1) (120312)	25483-000-SS-7390-00007	1	CT Chemical Tote Shed, Purlin & Girt connection details	Drawing	Structural	Radev, Latchezar		3/12/12	ZB	GAKG-01193	3/19/12				Response to CBO Comments Submitted for Approval	
2285	STRUC-1	STRUC-1 SS9105 (REV3) (120228)	25483-000-SS-9119-00022	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 31ft-4.5in. (TOG)	Drawing	Structural	Ong, Edward		2/28/12	ZB	GAKG-01142	3/7/12	3/1/12	x	3/1/12	Approved by the CBO	
2289	STRUC-1	STRUC-1 SS9105 (REV3) (120228)	25483-000-SS-9119-00023	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 31ft-4.5in. (TOG)	Drawing	Structural	Ong, Edward		2/28/12	ZB	GAKG-01142	3/7/12	3/1/12	x	3/1/12	Approved by the CBO	
2293	STRUC-1	STRUC-1 SS9105 (REV3) (120228)	25483-000-SS-9119-00024	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 31ft-4.5in. (TOG)	Drawing	Structural	Ong, Edward		2/28/12	ZB	GAKG-01142	3/7/12	3/1/12	x	3/1/12	Approved by the CBO	
2297	STRUC-1	STRUC-1 SS9105 (REV3) (120228)	25483-000-SS-9119-00025	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 31ft-4.5in. (TOG)	Drawing	Structural	Ong, Edward		2/28/12	ZB	GAKG-01142	3/7/12	3/1/12	x	3/1/12	Approved by the CBO	
2301	STRUC-1	STRUC-1 SS9105 (REV3) (120228)	25483-000-SS-9119-00026	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 31ft-4.5in. (TOG)	Drawing	Structural	Ong, Edward		2/28/12	ZB	GAKG-01142	3/7/12	3/1/12	x	3/1/12	Approved by the CBO	
2305	STRUC-1	STRUC-1 SS9105 (REV3) (120228)	25483-000-SS-9119-00027	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLANS AT EL. 21ft-0in and 31ft-4.5in	Drawing	Structural	Ong, Edward		2/28/12	ZB	GAKG-01142	3/7/12	3/1/12	x	3/1/12	Approved by the CBO	
2309	STRUC-1	STRUC-1 SS9105 (REV3) (120228)	25483-000-SS-9119-00028	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 41ft-4.5in (TOG)	Drawing	Structural	Ong, Edward		2/28/12	ZB	GAKG-01142	3/7/12	3/1/12	x	3/1/12	Approved by the CBO	

**CEC No. 01-AFC-07C  
RUSSELL CITY ENERGY CENTER  
CBO SUBMITTALS LIST**

Tracking Field

25483-000-G02-GGG-00022-000  
GEN2-0004 (REV 21)

Project Address: 3862 Depot Road,  
Hayward, CA 94545

Bechtel Job 25483

SORT ORDER	COC Number	CBO Reference Number	Document Number	Rev	Document Title	Document Type	Responsible Discipline	Reviewer	Scheduled to CBO	Actual to CBO	RPE Seal	Transmittal Letter Number	Requested Approval Date	CBO Response Date	Re-Submittal Responses to Comments	CBO Approval Date	Comments	DOCUMENTS SUBMITTED TO CBO
2313	STRUC-1	STRUC-1 SS9105 (REV3) (120228)	25483-000-SS-9119-00029	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 41ft-4.5in (TOG)	Drawing	Structural	Ong, Edward		2/28/12	ZB	GAKG-01142	3/7/12	3/1/12	x	3/1/12	Approved by the CBO	
2317	STRUC-1	STRUC-1 SS9105 (REV3) (120228)	25483-000-SS-9119-00030	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 41ft-4.5in (TOG)	Drawing	Structural	Ong, Edward		2/28/12	ZB	GAKG-01142	3/7/12	3/1/12	x	3/1/12	Approved by the CBO	
2321	STRUC-1	STRUC-1 SS9105 (REV3) (120228)	25483-000-SS-9119-00031	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 41ft-4.5in (TOG)	Drawing	Structural	Ong, Edward		2/28/12	ZB	GAKG-01142	3/7/12	3/1/12	x	3/1/12	Approved by the CBO	
2325	STRUC-1	STRUC-1 SS9105 (REV3) (120228)	25483-000-SS-9119-00032	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 41ft-4.5in (TOG)	Drawing	Structural	Ong, Edward		2/28/12	ZB	GAKG-01142	3/7/12	3/1/12	x	3/1/12	Approved by the CBO	
2329	STRUC-1	STRUC-1 SS9105 (REV3) (120228)	25483-000-SS-9119-00033	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 41ft-4.5in (TOG)	Drawing	Structural	Ong, Edward		2/28/12	ZB	GAKG-01142	3/7/12	3/1/12	x	3/1/12	Approved by the CBO	
2333	STRUC-1	STRUC-1 SS9105 (REV3) (120228)	25483-000-SS-9119-00034	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLANS AT EL. 4ft-4in AND 53ft-4.5in	Drawing	Structural	Ong, Edward		2/28/12	ZB	GAKG-01142	3/7/12	3/1/12	x	3/1/12	Approved by the CBO	
2337	STRUC-1	STRUC-1 SS9106 (REV3) (120228)	25483-000-SS-9119-00035	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 51ft-3in (TOG)	Drawing	Structural	Ong, Edward		2/28/12	ZB	GAKG-01143	3/7/12	3/1/12	3/12/12	Superseded by later revision	CBO Comments Received - zipped with document	
2338	STRUC-1	STRUC-1 SS9106 (REV4) (120312)	25483-000-SS-9119-00035	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 51ft-3in (TOG)	Drawing	Structural	Ong, Edward		3/12/12	ZB	GAKG-01191	3/19/12	3/12/12	x	3/12/12	Approved	
2342	STRUC-1	STRUC-1 SS9106 (REV3) (120228)	25483-000-SS-9119-00036	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 53ft-4.5in (TOG)	Drawing	Structural	Ong, Edward		2/28/12	ZB	GAKG-01143	3/7/12	3/1/12	3/12/12	Superseded by later revision	CBO Comments Received - zipped with document	
2343	STRUC-1	STRUC-1 SS9106 (REV4) (120312)	25483-000-SS-9119-00036	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 53ft-4.5in (TOG)	Drawing	Structural	Ong, Edward		3/12/12	ZB	GAKG-01191	3/19/12	3/12/12	x	3/12/12	Approved	
2347	STRUC-1	STRUC-1 SS9106 (REV3) (120228)	25483-000-SS-9119-00037	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLANS AT 53ft-4.5in and 63ft-4.5in	Drawing	Structural	Ong, Edward		2/28/12	ZB	GAKG-01143	3/7/12	3/1/12	3/12/12	Superseded by later revision	CBO Comments Received - zipped with document	
2348	STRUC-1	STRUC-1 SS9106 (REV4) (120312)	25483-000-SS-9119-00037	3	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLANS AT 4.5ft-4.5in and 63ft-4.5in	Drawing	Structural	Ong, Edward		3/12/12	ZB	GAKG-01191	3/19/12	3/12/12	x	3/12/12	Approved	
2352	STRUC-1	STRUC-1 SS9106 (REV3) (120228)	25483-000-SS-9119-00038	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLANS AT EL. 63ft-4.5in and 70ft-0in	Drawing	Structural	Ong, Edward		2/28/12	ZB	GAKG-01143	3/7/12	3/1/12	3/12/12	Superseded by later revision	CBO Comments Received - zipped with document	
2353	STRUC-1	STRUC-1 SS9106 (REV4) (120312)	25483-000-SS-9119-00038	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLANS AT EL. 63ft-4.5in and 70ft-0in	Drawing	Structural	Ong, Edward		3/12/12	ZB	GAKG-01191	3/19/12	3/12/12	x	3/12/12	Approved	
2357	STRUC-1	STRUC-1 SS9106 (REV3) (120228)	25483-000-SS-9119-00039	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 63ft-4.5 (TOG)	Drawing	Structural	Ong, Edward		2/28/12	ZB	GAKG-01143	3/7/12	3/1/12	3/12/12	Superseded by later revision	CBO Comments Received - zipped with document	
2358	STRUC-1	STRUC-1 SS9106 (REV4) (120312)	25483-000-SS-9119-00039	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 63ft-4.5 (TOG)	Drawing	Structural	Ong, Edward		3/12/12	ZB	GAKG-01191	3/19/12	3/12/12	x	3/12/12	Approved	
2362	STRUC-1	STRUC-1 SS9106 (REV3) (120228)	25483-000-SS-9119-00040	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLANS AT EL. 61ft-3in and 68ft-0in	Drawing	Structural	Ong, Edward		2/28/12	ZB	GAKG-01143	3/7/12	3/1/12	3/12/12	Superseded by later revision	CBO Comments Received - zipped with document	
2363	STRUC-1	STRUC-1 SS9106 (REV4) (120312)	25483-000-SS-9119-00040	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLANS AT EL. 61ft-3in and 68ft-0in	Drawing	Structural	Ong, Edward		3/12/12	ZB	GAKG-01191	3/19/12	3/12/12	x	3/12/12	Approved	
2367	STRUC-1	STRUC-1 SS1101 (REV1) (120313)	25483-000-SSC-1110-00001	1	Design of structural steel for HRSG Area Chemical Shed	Calculation	Structural	Radev, Latchezar		3/13/12	ZB	GAKG-01195	3/20/12	3/16/12		3/16/12	Approved with Conditions - zipped with document	
2379	STRUC-1	STRUC-1 SS2104 (REV2) (120307)	25483-000-SSC-2100-00001	1	Calculation For Structural Design of STG Pipe Rack	Calculation	Structural	Radev, Latchezar		3/7/12	ZB	GAKG-01175	3/14/12	3/14/12	x	3/14/12	Approved	
2389	STRUC-1	STRUC-1 SS2104 (REV2) (120307)	25483-000-SSC-2100-00002	1	Structural Design of STG Platforms	Calculation	Structural	Radev, Latchezar		3/7/12	ZB	GAKG-01175	3/14/12	3/14/12	x	3/14/12	Approved	
2399	STRUC-1	STRUC-1 SS3301 (REV1) (120301)	25483-000-SSC-3310-00001	1	Design of Transformer area platform supports Calculation	Calculation	Structural			3/1/12	ZB	GAKG-01148	3/7/12	3/6/12	3/13/12	Superseded by later revision	CBO Comments Received - zipped with document	
2400	STRUC-1	STRUC-1 SS3301 (REV2) (120313)	25483-000-SSC-3310-00001	2	Design of Transformer area platform supports Calculation	Calculation	Structural			3/13/12	ZB	GAKG-01198	3/20/12	3/15/12	x	3/15/12	Approved	
2403	STRUC-1	STRUC-1 SS6101 (REV2) (120308)	25483-000-SSC-6110-00001	1	Calculation for structural design of FG sound wall	Calculation	Structural	Kaszpurenko, Mike		3/8/12	ZB	GAKG-01187	3/15/12	3/16/12	3/19/12	Superseded by later revision	CBO Comments Received - zipped with document	
2404	STRUC-1	STRUC-1 SS6101 (REV3) (120319)	25483-000-SSC-6110-00001	1	Calculation for structural design of FG sound wall	Calculation	Structural	Kaszpurenko, Mike		3/19/12	ZB	GAKG-01212	3/26/12				Response to Comments Submitted to the CBO for Approval	
2412	STRUC-1	STRUC-1 SS7204 (REV0) (120314)	25483-000-SSC-7210-00001	0	Design of Structural Steel for Cooling Tower Chemical Shed	Calculation	Structural			3/14/12	ZB	GAKG-01206	4/4/12					
2417	STRUC-1	STRUC-1 DB7204 (REV1) (120316)	25483-000-SSC-7210-00003	0	Structural Design of Cable tray support	Calculation	Civil	Ong, Edward		3/16/12	ZB	GAKG-01210	3/23/12	3/16/12	3/22/12	Superseded by later revision	CBO Comments Received - zipped with Document	
2421	STRUC-1	STRUC-1 SS7203 (REV1) (120228)	25483-000-SSC-7210-00004	1	Structural for structural design of chemical feed skid tote shed	Calculation	Civil	Radev, Latchezar		2/28/12	ZB	GAKG-01144	3/7/12	3/6/12		3/6/12	Approved with Conditions - zipped with document	
2423	STRUC-1	STRUC-1 SS7301 (REV1) (120312)	25483-000-SSC-7310-00001	0	Calculation for Structural for structural design of CW Fore bay Sound Wall & platform	Calculation	Structural	Radev, Latchezar		3/12/12	ZB	GAKG-01193	3/19/12				Response to CBO Comments Submitted for Approval	
2438	STRUC-1	STRUC-1 SS9105 (REV3) (120228)	25483-000-SSC-9210-00001	2	Calculation For Structural Design of HRSG Pipe Rack	Calculation	Structural	Ong, Edward		2/28/12	ZB	GAKG-01142	3/7/12	3/1/12	x	3/1/12	Reviewed for Reference	
2439	STRUC-1	STRUC-1 SS9106 (REV3) (120228)	25483-000-SSC-9210-00001	2	Calculation for Structural Design of HRSG Pipe Rack	Calculation	Structural	Ong, Edward		2/28/12	ZB	GAKG-01143	3/7/12	3/1/12	3/12/12	Superseded by later revision	CBO Comments Received - zipped with document	
2440	STRUC-1	STRUC-1 SS9106 (REV4) (120312)	25483-000-SSC-9210-00001	2	Calculation for Structural Design of HRSG Pipe Rack	Calculation	Structural	Ong, Edward		3/12/12	ZB	GAKG-01191	3/19/12	3/12/12	x	3/12/12	Approved	

**CEC No. 01-AFC-07C  
RUSSELL CITY ENERGY CENTER  
CBO SUBMITTALS LIST**

Tracking Field

25483-000-G02-GGG-00022-000  
GEN2-0004 (REV 21)

Project Address: 3862 Depot Road,  
Hayward, CA 94545

Bechtel Job 25483

SORT ORDER	COC Number	CBO Reference Number	Document Number	Rev	Document Title	Document Type	Responsible Discipline	Reviewer	Scheduled to CBO	Actual to CBO	RPE Seal	Transmittal Letter Number	Requested Approval Date	CBO Response Date	Re-Submittal Responses to Comments	CBO Approval Date	Comments	DOCUMENTS SUBMITTED TO CBO
2447	STRUC-1	STRUC-1 DB2108 (REV2) (120313)	25483-000-V1A-EBB3-00010	5	Isolated Phases Bus Duct Civil Work Disposition STG	Drawing	Civil	Vaughen, William		3/13/12	ZB	GAKG-01199	3/20/12				Response to CBO Comments Submitted for Approval	
2449	STRUC-1	STRUC-1 DB7205 (REV2) (120314)	25483-000-V1A-MECM-00046	4	Cooling Tower Feeding Riser Lay-Out and Supports	Drawing for Reference	Civil	Ong, Edward		3/14/12	ZB	GAKG-01204	3/21/12	3/16/12			CBO Comments Received - zipped with document	
2450	STRUC-1	STRUC-1 DB7205 (REV3) (120320)	25483-000-V1A-MECM-00046	4	Cooling Tower Feeding Riser Lay-Out and Supports	Drawing for Reference	Civil	Ong, Edward		3/20/12	ZB	GAKG-01216	3/27/12				Response to CBO Comments Submitted for Approval	
2451	STRUC-1	STRUC-1 DB7205 (REV2) (120314)	25483-000-V1A-MECM-00055	2	Stairway and Ladder Point Loading Data and Layout	Drawing for Reference	Civil	Ong, Edward		3/14/12	ZB	GAKG-01204	3/21/12	3/16/12			CBO Comments Received - zipped with document	
2452	STRUC-1	STRUC-1 DB7205 (REV3) (120320)	25483-000-V1A-MECM-00055	2	Stairway and Ladder Point Loading Data and Layout	Drawing for Reference	Civil	Ong, Edward		3/20/12	ZB	GAKG-01216	3/27/12				Response to CBO Comments Submitted for Approval	
2453	STRUC-1	STRUC-1 DB7205 (REV2) (120314)	25483-000-V1A-MECM-00083	3	Cooling Tower Stairway Calculation Report	Drawing for Reference	Civil	Ong, Edward		3/14/12	ZB	GAKG-01204	3/21/12	3/16/12			CBO Comments Received - zipped with document	
2454	STRUC-1	STRUC-1 DB7205 (REV3) (120320)	25483-000-V1A-MECM-00083	3	Cooling Tower Stairway Calculation Report	Drawing for Reference	Civil	Ong, Edward		3/20/12	ZB	GAKG-01216	3/27/12				Response to CBO Comments Submitted for Approval	
2455	STRUC-1	STRUC-1 DB7205 (REV2) (120314)	25483-000-V1A-MECM-00084	3	Riser Support Loading Data and Layout	Drawing for Reference	Civil	Ong, Edward		3/14/12	ZB	GAKG-01204	3/21/12	3/16/12			CBO Comments Received - zipped with document	
2456	STRUC-1	STRUC-1 DB7205 (REV3) (120320)	25483-000-V1A-MECM-00084	3	Riser Support Loading Data and Layout	Drawing for Reference	Civil	Ong, Edward		3/20/12	ZB	GAKG-01216	3/27/12				Response to CBO Comments Submitted for Approval	
2457	STRUC-1	STRUC-1 DB7205 (REV2) (120314)	25483-000-V1A-MECM-00088	2	Riser and Cable Support Calculation Report	Drawing for Reference	Civil	Ong, Edward		3/14/12	ZB	GAKG-01204	3/21/12	3/16/12			CBO Comments Received - zipped with document	
2458	STRUC-1	STRUC-1 DB7205 (REV3) (120320)	25483-000-V1A-MECM-00088	2	Riser and Cable Support Calculation Report	Drawing for Reference	Civil	Ong, Edward		3/20/12	ZB	GAKG-01216	3/27/12				Response to CBO Comments Submitted for Approval	
2463	STRUC-1	STRUC-1 DB2108 (REV2) (120313)	25483-000-V1A-PY02-00009	3	30" 150 # Flange Model 90 Basket Strainer	DRAWING	Structural	Vaughen, William		3/13/12	ZB	GAKG-01199	3/20/12				Response to CBO Comments Submitted for Approval	
2467	STRUC-1	STRUC-1 DB4701 (REV2) (120301)	25483-000-V2A-MPPP-00005	2	Aqueous Ammonia Skid GA Drawing	Drawing for Reference	Civil	Vaughen, William		3/1/12	ZB	GAKG-01149	3/8/12	Recalled	3/8/12	Superseded by later revision	Bachtel Engineering to Revise Response to Comments to Remove reference to Scop Book	
2468	STRUC-1	STRUC-1 DB4701 (REV3) (120308)	25483-000-V2A-MPPP-00005	2	Aqueous Ammonia Skid GA Drawing	Drawing for Reference	Civil	Vaughen, William		3/8/12	ZB	GAKG-01186	3/15/12	3/16/12			CBO Comments Received - zipped with document	
2471	STRUC-1	STRUC-1 DB4701 (REV2) (120301)	25483-000-V2A-MPPP-00006	2	Aqueous Ammonia Tank GA Drawing	Drawing for Reference	Civil	Vaughen, William		3/1/12	ZB	GAKG-01149	3/8/12	Recalled	3/8/12	Superseded by later revision	Bachtel Engineering to Revise Response to Comments to Remove reference to Scop Book	
2472	STRUC-1	STRUC-1 DB4701 (REV3) (120308)	25483-000-V2A-MPPP-00006	2	Aqueous Ammonia Tank GA Drawing	Drawing for Reference	Civil	Vaughen, William		3/8/12	ZB	GAKG-01186	3/15/12	3/16/12			CBO Comments Received - zipped with document	
2604	STRUC-1	STRUC-1 DB2103 (REV3) (120301)	25483-003-DB-2110-00004	2	STG Area Generator Excitation Enclosure Foundation Plan, Section & Details	Drawing	Structural	Vaughen, William		3/1/12	ZB	GAKG-01151	3/7/12	Superseded by later revision	Superseded by later revision	Superseded by later revision	Superseded by later revision; Response to Comments Submitted for Approval; V1A-EBB3-00008 & V1A-MUSG-00199 Included for reference	
2605	STRUC-1	STRUC-1 DB2103 (REV4) (120307)	25483-003-DB-2110-00004	2	STG Area Generator Excitation Enclosure Foundation Plan, Section & Details	Drawing	Structural	Vaughen, William		3/7/12	ZB	GAKG-01176	3/14/12	3/7/12	x	3/7/12	Approved; V1A-EBB3-00008 & V1A-MUSG-00199 Included for reference	
2609	STRUC-1	STRUC-1 DB2108 (REV2) (120313)	25483-003-DB-2110-00006	2	Steam Turbine Generator Area Iso Phase Bus Duct and Basket Strainer Foundation Plan and Sections	Drawing	Civil	Vaughen, William		3/13/12	ZB	GAKG-01199	3/20/12				Response to CBO Comments Submitted for Approval	
2621	STRUC-1	STRUC-1 DB2110 (REV0) (120221)	25483-003-DB-2110-00010	0	STG Area Unit-3 pipe support, Plan & Section	Drawing	Civil	Ong, Edward		2/21/12	ZB	GAKG-01130	3/12/12	3/1/12	3/19/12	Superseded by later revision	CBO Comments received - zipped with doc in IW and distributed to RE	
2622	STRUC-1	STRUC-1 DB2110 (REV1) (120319)	25483-003-DB-2110-00010	1	STG Area Unit-3 pipe support, Plan & Section	Drawing	Civil	Ong, Edward		3/19/12	ZB	GAKG-01214	3/26/12				Response to Comments Submitted to the CBO for Approval	
2624	STRUC-1	STRUC-1 DB2109 (REV1) (120301)	25483-003-DB-2110-00011	0	CO2 bottle storage area foundation plan & section	Drawing	Civil	Ong, Edward		3/1/12	ZB	GAKG-01156	3/8/12	3/1/12	x	3/1/12	Response to Comments Submitted to the CBO for Approval	
2646	STRUC-1	STRUC-1 DB2110 (REV0) (120221)	25483-003-DBC-2110-00001	0	Design of STG Area mat for miscellaneous pipe supports	Calculation	Civil	Ong, Edward		2/21/12	ZB	GAKG-01130	3/12/12	3/1/12	3/19/12	Superseded by later revision	CBO Comments received - zipped with doc in IW and distributed to RE	
2647	STRUC-1	STRUC-1 DB2110 (REV1) (120319)	25483-003-DBC-2110-00001	1	Design of STG Area mat for miscellaneous pipe supports	Calculation	Civil	Ong, Edward		3/19/12	ZB	GAKG-01214	3/26/12				Response to Comments Submitted to the CBO for Approval	
2650	STRUC-1	STRUC-1 DB2103 (REV3) (120301)	25483-003-DBC-2110-00003	1	STG Generator Excitation Enclosure- Analysis and design	Calculation	Structural	Vaughen, William		3/1/12	ZB	GAKG-01151	3/7/12	Superseded by later revision	Superseded by later revision	Superseded by later revision	Superseded by later revision; Response to Comments Submitted for Approval; V1A-EBB3-00008 & V1A-MUSG-00199 Included for reference	
2652	STRUC-1	STRUC-1 DB2103 (REV4) (120307)	25483-003-DBC-2110-00003	2	STG Generator Excitation Enclosure- Analysis and design	Calculation	Structural	Vaughen, William		3/7/12	ZB	GAKG-01176	3/14/12	3/7/12	x	3/7/12	Approved; V1A-EBB3-00008 & V1A-MUSG-00199 Included for reference	
2655	STRUC-1	STRUC-1 DB2108 (REV2) (120313)	25483-003-DBC-2110-00006	2	Design of STG Area Basket Strainer and Iso-Phase Bus Duct Mat Foundation	Calculation	Structural	Vaughen, William		3/13/12	ZB	GAKG-01199	3/20/12				Response to CBO Comments Submitted for Approval	
2669	STRUC-1	STRUC-1 DB2109 (REV1) (120301)	25483-003-DBC-2110-00010	0	CO2 Foundation Analysis and Design	Calculation	Civil	Ong, Edward		3/1/12	ZB	GAKG-01156	3/8/12	3/1/12	x	3/1/12	Response to Comments Submitted to the CBO for Approval	
2730	STRUC-1	STRUC-1 DB7204 (REV1) (120316)	25483-0-DB-7210-00008	1	Cooling Tower Area, Cable Tray Support Foundation Plan, Section & Details	Drawing	Civil	Ong, Edward		3/16/12	ZB	GAKG-01210	3/23/12	3/16/12	3/22/12	Superseded by later revision	CBO Comments Received - zipped with Document	

**CONDITION OF CERTIFICATION  
GEN-3**

**Russell City Energy Center  
Monthly Compliance Report #20  
March 2012**

## Allison Bryan

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**From:** Todd R. Bailey <tbailey@trbplus.com>  
**Sent:** Monday, April 16, 2012 12:23 PM  
**To:** Allison Bryan  
**Subject:** RE: Russell City Energy Center

Confirming receipt of a payment for Delegate CBO services during the month of March 2012.

Best,

Todd Bailey, P.E., LEED AP  
TRB + Associates, Inc.  
3180 Crow Canyon Place, Suite 216  
San Ramon, CA 94583  
ph: (925) 866-2633  
fx: (925) 790-0011  
[tbailey@trbplus.com](mailto:tbailey@trbplus.com)

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**From:** Allison Bryan [<mailto:allison.bryan@calpine.com>]  
**Sent:** Monday, April 16, 2012 11:46 AM  
**To:** Todd Bailey  
**Subject:** Russell City Energy Center

Todd,

Would please confirm that payment for Delegate CBO services was received during the month of March 2012?

Thanks,

Allison Bryan  
Project Compliance Manager  
Russell City Energy Center  
O: (925) 557-2250  
C: (925) 890-1051

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**CONDITION OF CERTIFICATION  
GEN-6**

**Russell City Energy Center  
Monthly Compliance Report #20  
March 2012**

## **Henry McInerney**

10211 Grandview Dr.  
La Mesa, CA 91941  
(619) 944-7330  
Bill007m@yahoo.com

**OBJECTIVE:** Seeking a position as an AWS CWI#11100641/Nondestructive Testing Technician utilizing my previous experience and schooling

### **CERTIFICATION:**

AWS: CWI, ASNT SNT TC 1A: Level II PT, MT, UTT, VT, Hellier NDT: FPI level II, Spartan College: UT, RT, ET, MT, PT, VT

### **Pipelines worked on:**

Ruby Pipeline  
Enbridge Pipeline  
Elk Hills Pipeline

### **QUALIFICATIONS:**

**\*Experience utilizing UT, ET, (LVL 2 VT, PT, MT, UTT) Documented Hours**

#### **Available Upon Request**

- \* Pipeline Welding Inspection
- \* Welding Inspection
- \* Excellent skills in Inspection, Interpreting Blueprints and Shop sketches,
- \* NAVSEA STD items, 5XXX requirements
- \* Precision Measuring tools including Pi Tapes/ Height Gauges/Dial Gauges/Pin Mics/Calipers,& Micrometers

### **EDUCATION**

Spartan College of Aeronautics & Technology, Tulsa, OK                      Graduated: June, 2009  
Nondestructive Testing Technician

### **EMPLOYMENT HISTORY**

**Tulsa Inspection Resources, Elk Hills, CA**

02/2012-Present

**Welding Inspector: Pipeline**

**Occidental Pipeline in Elk Hills**

- Welding inspection on new construction of 4 inch and 6 inch gas pipeline
- Welding inspection of gas pipeline supports
- Welding inspection on road crossing tie ins

# WILLIAM TONKOVICH

Special Inspector



## EXPERIENCE

19 Years

## EDUCATION

Los Medanos  
Community College,  
Pittsburg, CA

Wilrick Institute of  
Technology,  
Sacramento, CA

## CERTIFICATIONS

ACI - Concrete Testing  
Technician Grade 1

ICC - Reinforced  
Concrete

ICC - Pre-Stressed  
Concrete

ICC - Structural  
Masonry

ICC - Structural Steel  
and Welding

ICC - Structural Steel  
and Bolting

ICC - Structural Steel  
Welding

CPN Nuclear Gauge  
Certified

## PROFESSIONAL

### AFFILIATIONS

American Concrete  
Institute (ACI)

International Code  
Council (ICC)

Operating Engineers  
Union Local 3 (OE3)

## SKILLS AND EXPERIENCE

Mr. Tonkovich has more than 19 years' experience in special inspections and soil observation and testing. He is ICBO certified to perform special inspection services in accordance with current UBC standards on reinforced concrete, post-tensioned/pre-stressed concrete, structural masonry and structural steel/welding. Additional qualifications include the field testing and observation of grading operations, underground utilities, sub-drains and slide repair. Laboratory experience includes testing of soil samples for compaction and moisture density determination and observation of concrete quality control and testing. Mr. Tonkovich also has experience in exploratory drilling and sampling, borehole monitoring, floor level surveys, and inclinometer installation and monitoring.

Mr. Tonkovich communicates well with the project construction and inspection teams, subcontractors, design team, and local building officials. Mr. Tonkovich has extensive working knowledge of the various building codes and materials compliance testing procedures and is adept in applying his expertise.

## REPRESENTATIVE PROJECT EXPERIENCE:

### **Fire Station 12 and 17**

San Jose, CA

### **UC Berkeley - Underhill Parking Structure**

Berkeley, CA

### **Ruby Hill Event Center**

Pleasanton, CA

### **Robert Livermore Community Center**

Livermore, CA

### **Sanborne Overcrossing**

Salinas, CA

### **Courthouse Seismic Upgrade**

San Jose, CA

### **City of Livermore - New Recycled Tank**

Livermore, CA

### **Candlestick Cove Retaining Wall**

S. San Francisco, CA

### **Various Schools for the San Ramon Valley Unified School District,**

San Ramon, CA

### **Tamien Towers**

San Jose, CA

### EXPERIENCE

9 Years

### CERTIFICATIONS

ICC –Structural Steel &  
 Bolting No. 8084247

ACI – Field Technician  
 Certification Grade 1

Nuclear Density Gauge  
 Certification

### Caltrans Certifications

- CTM 105
- CTM 125
- CTM 216
- CTM 216
- CTM 231
- CTM 375
- CTM 504
- CTM 518
- CTM 523
- CTM 524
- CTM 533
- CTM 539
- CTM 540
- CTM 557

### SKILLS AND EXPERIENCE

Mr. Seth Fitzgibbon is a multi-certified inspector with over 9 years the testing, inspection and other trades experience. He is qualified to provide inspections in the areas of concrete, asphalt, soils and lab testing. Mr. Fitzgibbons is able to communicate with contractors, engineers, governing agency inspectors and other technicians to insure quality performance and compliance with project specifications and governing codes.

### REPRESENTATIVE PROJECT EXPERIENCE:

Route 238 Corridor Improvements – Hayward, CA

Kaiser Oakland Medical Center – Oakland, CA

Permanente Creek Bridge – Mountain View, CA

Oakley Generating Facility – Oakley, CA

UC Berkeley Anna Head Housing – Berkeley, CA

Bart M Line Seismic Upgrade – San Francisco, CA

Jerrold Avenue Bridge – San Francisco, CA

Gavilan College Social Science Building – Gilroy, CA

Oak Hills Apartments – Hayward, CA

### EXPERIENCE

6 Years

### YEARS OF SERVICE WITH SIGNET

4 Years

### EDUCATION

Apprenticeship Training,  
International Union of  
Operating Engineers,  
Local 3 Training Center  
Rancho Murrieta, CA

### CERTIFICATIONS

ICC – Spray Applied  
Fireproofing  
- Structural Masonry  
- Reinforced Concrete-  
Associate

ACI – Concrete Field  
Testing Technician,  
Grade 1  
No. 01149577

CPN Certified, Radiation  
Safety and Use of  
Nuclear Gauge

BATC Refinery Safety  
Orientation Certification

### CALTRANS

CTM - 231

CTM - 375

CTM – 125 AC

CTM – 125 AGG

CTM – 539

CTM – 540

### SKILLS AND EXPERIENCE

Mr. Johnston currently holds the position of Special Inspector, working out of our headquarters in Hayward, CA. He is able to communicate well with contractors, engineers, governing agency inspectors and technicians to insure quality performance and compliance with project specifications and governing codes. Mr. Johnston has a strong work ethic and is a major asset to any project he is involved.

### REPRESENTATIVE PROJECT EXPERIENCE:

**Kaiser Oakland Medical Center Replacement**  
San Lorenzo, CA

**UC Berkeley Law-In Fill**  
Berkeley, CA

**UC Berkeley Anna Head Housing**  
Berkeley, CA

**Route 238 Corridor Improvements**  
Hayward, CA

**Grant Elementary School**  
San Lorenzo, CA

**Transbay Cable Project / Class I**  
Pittsburg, CA

**The Crossing Parcels 3 & 4**  
San Bruno, CA

**TBC Pittsburg Con Station**  
Pittsburg, CA

**Chevron Refinery Renewal Program**  
Richmond, CA

**Linear Technologies – Building 5**  
Milpitas, CA

**Santa Clara V.M.C. – Parking Structure #2**  
San Jose, CA

**California University East Bay, Pioneer Heights Phase III – El Dorado Hall**  
Hayward, CA

**Villa Serra Apartments**  
Cupertino, CA

### EXPERIENCE

24 Years

### YEARS OF SERVICE WITH SIGNET

1 Years

### EDUCATION

Spartan School of  
Aeronautics, Tulsa  
Oklahoma, in Quality  
Control Technician

### CERTIFICATIONS

ICBO Structural Steel and  
Welding Inspector  
No. 64717

AWS Certified Welding  
Inspector  
No. 96100461

ASNT Ultrasonic Testing  
- Level II

ASNT Magnetic Particle  
Testing - Level II

ACI concrete Field  
-Level I  
#00932565

Nuclear Gauge Safety  
Certified by CPN

### SKILLS AND EXPERIENCE

Mr. Oliveira is one of Signet's Senior Special Inspectors, and has more than 24 years of experience in construction inspection. He is ICBO certified in structural steel welding and bolting, an AWS Certified Welding Inspector (CWI), and a certified NDT Level II Ultrasonic and Magnetic Particle Testing Technician. John has served as welding inspector on many projects, most recently the Kaiser Oakland Medical Center. His knowledge and services are held in the highest regard by our clients and technical staff, making him a key member of Signet's inspection team.

### REPRESENTATIVE PROJECT EXPERIENCE:

**Kaiser Hospital – Medical Center**  
Oakland, CA

**Bay Bridge Toll OP Building**  
Oakland, CA

**San Joaquin Pipeline Project**  
Vernalis/Oakdale, CA

**Parkside Intermediate School**  
San Bruno, CA

**Tyrrell Elementary School**  
Hayward, CA

**BART Maintenance Yard**  
Concord, CA

**College of San Mateo Building #34 Mod.**  
San Mateo, CA

**Exxon Clean Fuel Project**  
Benicia, CA

**Chevron Co-Generation Project**  
Richmond, CA

**Tesoro Coker Modification**  
Martinez, CA

Mr. Oliveira will be responsible for inspecting:

AGATE:

- structural steel/ welding
- structural steel/ bolting
- post-installed (Hilti) anchors  
(which falls under reinforced concrete inspection)

BETA

- structural steel/ welding
- structural steel/ bolting
- reinforced concrete
- post-installed (Hilti) anchors  
(which falls under reinforced concrete inspection)

GRAVER

- structural steel/ welding
- structural steel/ bolting

SPIG

- structural steel/ bolting
- post-installed (Hilti) anchors  
(which falls under reinforced concrete inspection)
- reinforced concrete

**NAME:** Arthur Ross Cady (149057) **DATE** 18 November, 2011

**POSITION TITLE** Senior Field Welding Engineer

**ORGANIZATION** Bechtel International

**LOCATION** Port Clinton, OH

**CITIZENSHIP** USA

**CONTINUOUS SERVICE** 11/08/2004

**SPOUSE'S NAME** N/A

**CHILDREN'S DETAILS** N/A

### PROFESSIONAL LICENSES AND SOCIETIES

Certified Weld Inspector, American Welding Society #99030761 (11 years)  
 Oregon Pressure Vessel License # E91-4686 (16 years)  
 United Association of Plumbers and Steamfitters (32 years)  
 Have just earned Journeyman Instructor Certification for United Association of Plumbers and Steamfitters, will graduate in Ann Arbor Michigan, August 2005 (Could not attend graduation, as I was working in Darwin, Australia.)

### EDUCATION AND PERSONAL DEVELOPMENT PROGRAMS

<u>Degree, Certificate, etc.,</u>	<u>School</u>	<u>Major (or Subject)</u>	<u>Date</u>
none	Southern Illinois University	Journalism	1964-1969

### OTHER SIGNIFICANT INFORMATION

(Examples of relevant information that might be included here)

**PERSONAL:** Created Kentucky Vietnam Veteran's Memorial, commissioned for Welded Metal Sculpture on permanent display, American Welding Society, Miami.

As a journeyman pipefitter/welder, I have always considered myself the first line of weld inspection and quality control; I learned to assure welds were above inspection standards before considering them complete.

**LANGUAGE** Previously fluent in French, can communicate in Spanish

**CONDITION OF CERTIFICATION  
STRUC-1**

**Russell City Energy Center  
Monthly Compliance Report #20  
March 2012**



Russell City Energy Center Project  
CBO Plan Submittal Package (01-AFC-7C)

Responsible Engineer: Gordon Ness, Graver

C.O.C. No.: STRUC-1

Certificate of Compliance for Month of: December 2011 – February 2012

**DOCUMENT TRANSMITTAL**

I hereby attest that the designs represented by the below referenced documents have been completed in accordance with local ordinances, regulations, and standards, and the requirements of the California Energy Commission (CEC) Final Commission Decision, with respect to the area of facility design.

Responsible Engineering Seal, Signature and Date



REVIEWED FOR  
REFERENCE  
ONLY

Digitally signed by REVIEWED FOR  
REFERENCE ONLY  
DN: cn=REVIEWED FOR  
REFERENCE ONLY, o=TRB +  
Associates, Inc., ou=Delegate CBO,  
email=websys@trbplus.com, c=US  
Date: 2012.03.07 10:10:58 -08'00'

Gordon Ness

Digitally signed by Gordon Ness  
DN: cn=Gordon Ness, o=Graver Tank  
Co., ou=Design Engineer,  
email=gravertankco@gmail.com,  
c=US  
Date: 2012.03.06 11:40:30 -08'00'

CBO Reference Number	Document Number	Rev	Document Title	Actual to CBO
STRUC-1 GRA002 (REV0) (111215)	25483-000-G27-GEGV-00005	0	Fire Service Water Tank Structural Calculations	12/15/11
STRUC-1 GRA002 (REV1) (111222)	25483-000-G27-GEGV-00005	0	Fire Service Water Tank Structural Calculations	12/22/11
<b>STRUC-1 GRA002 (REV2) (120105)</b>	<b>25483-000-G27-GEGV-00005</b>	<b>0</b>	<b>Fire Service Water Tank Structural Calculations</b>	<b>1/5/12</b>
STRUC-1 GRA004 (REV0) (111222)	25483-000-G27-GEGV-00009	0	Cooling Tower Blowdown Tank Structural Calculation	12/22/11
STRUC-1 GRA004 (REV1) (120131)	25483-000-G27-GEGV-00009	0	Cooling Tower Blowdown Tank Structural Calculation	1/31/12
<b>STRUC-1 GRA004 (REV2) (120227)</b>	<b>25483-000-G27-GEGV-00009</b>	<b>1</b>	<b>Cooling Tower Blowdown Tank Structural Calculation</b>	<b>2/27/12</b>
STRUC-1 GRA005 (REV0) (111222)	25483-000-G27-GEGV-00010	0	Recycle Water Tank Structural Calculation	12/22/11
<b>STRUC-1 GRA005 (REV1) (120201)</b>	<b>25483-000-G27-GEGV-00010</b>	<b>0</b>	<b>Recycle Water Tank Structural Calculation</b>	<b>2/1/12</b>
STRUC-1 GRA006 (REV0) (111222)	25483-000-G27-GEGV-00011	0	Sludge Collection Tank Structural Calculation	12/22/11
<b>STRUC-1 GRA006 (REV1) (120201)</b>	<b>25483-000-G27-GEGV-00011</b>	<b>0</b>	<b>Sludge Collection Tank Structural Calculation</b>	<b>2/1/12</b>
STRUC-1 GRA007 (REV0) (111222)	25483-000-G27-GEGV-00012	0	Crystallizer Feed Tank Structural Calculation	12/22/11
<b>STRUC-1 GRA007 (REV1) (120105)</b>	<b>25483-000-G27-GEGV-00012</b>	<b>0</b>	<b>Crystallizer Feed Tank Structural Calculation</b>	<b>1/5/12</b>
STRUC-1 GRA004 (REV1) (120131)	25483-000-G27-GEGV-00016	0	Cooling Tower Blowdown Tank Cover Sheet	1/31/12

CBO Reference Number	Document Number	Rev	Document Title	Actual to CBO
STRUC-1 GRA004 (REV1) (120131)	25483-000-G27-GEGV-00017	0	Cooling Tower Blowdown Tank General Arrangement	1/31/12
STRUC-1 GRA004 (REV1) (120131)	25483-000-G27-GEGV-00018	0	Tank Orientation	1/31/12
STRUC-1 GRA004 (REV1) (120131)	25483-000-G27-GEGV-00019	0	Nozzle Layout	1/31/12
STRUC-1 GRA004 (REV1) (120131)	25483-000-G27-GEGV-00020	0	12inch Frost Free Roof Vent	1/31/12
STRUC-1 GRA004 (REV1) (120131)	25483-000-G27-GEGV-00021	0	Tank Structure – Rafter Details	1/31/12
STRUC-1 GRA004 (REV1) (120131)	25483-000-G27-GEGV-00022	0	Tank Structure – Center Column	1/31/12
STRUC-1 GRA005 (REV1) (120201)	25483-000-G27-GEGV-00032	0	Recycled Water Tank – Cover Sheet	2/1/12
STRUC-1 GRA005 (REV1) (120201)	25483-000-G27-GEGV-00033	0	Recycled Water Tank – GA	2/1/12
STRUC-1 GRA005 (REV1) (120201)	25483-000-G27-GEGV-00034	0	Tank Orientation	2/1/12
STRUC-1 GRA005 (REV1) (120201)	25483-000-G27-GEGV-00035	0	Nozzle Layout	2/1/12
STRUC-1 GRA005 (REV1) (120201)	25483-000-G27-GEGV-00036	0	Tank Structure – Rafter Details	2/1/12
STRUC-1 GRA005 (REV1) (120201)	25483-000-G27-GEGV-00037	0	Tank Structure – Center Column	2/1/12
STRUC-1 GRA005 (REV1) (120201)	25483-000-G27-GEGV-00038	0	Anchor Bolt Chairs	2/1/12

CBO Reference Number	Document Number	Rev	Document Title	Actual to CBO
STRUC-1 GRA005 (REV1) (120201)	25483-000-G27-GEGV-00039	0	12inch Frost Free Roof Vent	2/1/12
STRUC-1 GRA006 (REV1) (120201)	25483-000-G27-GEGV-00040	0	Sludge Collection Tank GA – Cover Sheet	2/1/12
STRUC-1 GRA006 (REV1) (120201)	25483-000-G27-GEGV-00041	0	Sludge Collection Tank GA	2/1/12
STRUC-1 GRA006 (REV1) (120201)	25483-000-G27-GEGV-00042	0	Tank Orientation	2/1/12
STRUC-1 GRA006 (REV1) (120201)	25483-000-G27-GEGV-00043	0	Nozzle Layout	2/1/12
STRUC-1 GRA006 (REV1) (120201)	25483-000-G27-GEGV-00044	0	Anchor Bolt Chairs	2/1/12
STRUC-1 GRA006 (REV1) (120201)	25483-000-G27-GEGV-00045	0	12inch Frost Free Roof Vent	2/1/12

 Russell City Energy Center Project CBO Plan Submittal Package (01-AFC-7C)	Responsible Engineer: <a href="#">Zachary Beach</a>
	C.O.C. No.: <a href="#">STRUC-1</a>
Certificate of Compliance for Month of: <a href="#">February 2012</a>	

**DOCUMENT TRANSMITTAL**

**I hereby attest that the designs represented by the below referenced documents have been completed in accordance with local ordinances, regulations, and standards, and the requirements of the California Energy Commission (CEC) Final Commission Decision, with respect to the area of facility design.**

**REVIEWED  
FOR  
REFEREN  
CE ONLY**

Digitally signed by REVIEWED FOR REFERENCE ONLY  
 DN: cn=REVIEWED FOR REFERENCE ONLY, o=TRB + Associates, Inc., ou=Delegate CBO,  
 email=websys@trbplus.com, c=US  
 Date: 2012.03.07 09:34:37 -08'00'



**Zachary T.  
Beach, P.E.  
2012.03.05  
13:25:29  
-05'00'**

Responsible Engineering Seal, Signature and Date

CBO Reference Number	Document Number	Rev	Document Title	Actual to CBO
STRUC-1 D001 (REV3) (120206)	25483-000-DB-1111-00003	1	Civil-Structural Standards Concrete Sheet 3 Typical Sections and Details	02/06/12
STRUC-1 DB1111 (REV2) (120203)	25483-000-DB-1111-00002	0	HRSG Unit#1 & 2, E House Foundation Plan and Sections	02/03/12
STRUC-1 DB1111 (REV2) (120203)	25483-000-DB-1111-00003	1	HRSG Unit # 1 & 2 Area, HRSG Chemical Skid Foundation plan, Sections & Details	02/03/12
STRUC-1 DB6104 (REV0) (120215)	25483-000-DB-6110-00003	0	FG Compressor Area Weather Monitoring Station Foundation Plan and Section	02/15/12
STRUC-1 DB7115 (REV6) (120222)	25483-000-DB-7111-00008	5	Zero Liquid Discharge Area, Sump, Plan, Section & Details	02/22/12
STRUC-1 DB7118 (REV3) (120201)	25483-000-DB-7111-00009	3	Zero Liquid Discharge Area, Belt Pressure Filter Foundation, Plan, Section and Details	02/01/12
STRUC-1 DB7201 (REV3) (120215)	25483-000-DB-7210-00001	3	Cooling Tower Basin, Foundation Plan, Section & Details Sheet 1	02/15/12
STRUC-1 DB7201 (REV3) (120215)	25483-000-DB-7210-00002	3	Cooling Tower Basin, Foundation Plan, Section & Details Sheet 2	02/15/12
STRUC-1 DB7206 (REV0) (120228)	25483-000-DB-7210-00006	0	Cooling Tower Area Chemical Tanks Foundation Plan and Section	02/28/12
STRUC-1 DB1111 (REV2) (120203)	25483-000-DBC-1111-00002	0	HRSG Area Misc Foundation- Analysis & Design	02/03/12
STRUC-1 DB6104 (REV0) (120215)	25483-000-DBC-6110-00003	0	Design of Foundation for Weather Monitoring Station	02/15/12
STRUC-1 SS7102 (REV2) (120216)	25483-000-DBC-7110-00004	3	RWF Area Mat for Sodium Hypochloride Tank & Pump Skid, Ferric Chloride Tank, Pump Skid & Polymer Feed Skid	02/16/12

CBO Reference Number	Document Number	Rev	Document Title	Actual to CBO
STRUC-1 DB7115 (REV6) (120222)	25483-000-DBC-7111-00008	4	ZLD Area Sump	02/22/12
STRUC-1 DB7118 (REV3) (120201)	25483-000-DBC-7111-00009	2	ZLD area Foundation for Belt Pressure Filter Platform	02/01/12
STRUC-1 DB7201 (REV3) (120215)	25483-000-DBC-7210-00001	2	Design of Cooling Tower Basin	02/15/12
STRUC-1 DB7205 (REV0) (120203)	25483-000-DBC-7210-00002	0	Design of mat foundation for Cooling Tower Riser Support	02/03/12
STRUC-1 SS7203 (REV1) (120228)	25483-000-DBC-7210-00004	0	Chemical Feed Skid Tote Foundation	02/28/12
STRUC-1 DB7204 (REV0) (120203)	25483-000-DBC-7210-00005	0	Design of mat foundation for Cooling Tower Cable Tray Support	02/03/12
STRUC-1 DB7206 (REV0) (120228)	25483-000-DBC-7210-00006	0	Design of CL02 Skid and Shelter Foundation	02/28/12
STRUC-1 SS2104 (REV1) (120201)	25483-000-SS-2192-00001	0	STEAM TURBINE UNIT #3 GRATING PLAN AT EL. +31'-1 1/2" (TOG)	02/01/12
STRUC-1 SS2104 (REV1) (120201)	25483-000-SS-2192-00002	0	STEAM TURBINE UNIT #3 GRATING PLAN AT EL. +32'-1 1/2" (TOG)	02/01/12
STRUC-1 SS2104 (REV1) (120201)	25483-000-SS-2192-00003	0	STEAM TURBINE UNIT #3 GRATING PLAN AT EL. +32'-1"1/2" (TOG)	02/01/12
STRUC-1 SS2104 (REV1) (120201)	25483-000-SS-2192-00004	0	STEAM TURBINE UNIT #3 GRATING PLAN AT EL. +31'-1 1/2" (TOG)	02/01/12
STRUC-1 SS2104 (REV1) (120201)	25483-000-SS-2192-00005	0	STEAM TURBINE UNIT #3 GRATING PLAN AT EL. +31'-1 1/2" (TOG)	02/01/12

CBO Reference Number	Document Number	Rev	Document Title	Actual to CBO
STRUC-1 SS2104 (REV1) (120201)	25483-000-SS-2192-00006	0	STEAM TURBINE UNIT #3 GRATING PLAN AT EL. +37'-0" (TOG)	02/01/12
STRUC-1 SS2104 (REV1) (120201)	25483-000-SS-2192-00007	0	STEAM TURBINE UNIT #3 GRATING PLAN AT EL. +39'-4" (TOG)	02/01/12
STRUC-1 SS2104 (REV1) (120201)	25483-000-SS-2192-00008	0	STEAM TURBINE UNIT #3 GRATING PLAN AT EL. +49'-4" (TOG)	02/01/12
STRUC-1 SS2104 (REV1) (120201)	25483-000-SS-2192-00009	0	STEAM TURBINE UNIT #3 GRATING PLAN AT EL. +49'-4" (TOG)	02/01/12
STRUC-1 SS2104 (REV1) (120201)	25483-000-SS-2192-00010	0	STEAM TURBINE UNIT #3 GRATING PLAN AT EL. +63'-4"1/2 (TOG)	02/01/12
STRUC-1 SS2104 (REV1) (120201)	25483-000-SS-2192-00011	0	STEAM TURBINE UNIT #3 GRATING PLAN AT EL. +73'-5"1/2 (TOG)	02/01/12
STRUC-1 SS2104 (REV1) (120201)	25483-000-SS-2192-00012	0	STEAM TURBINE UNIT #3 GRATING PLAN AT EL. +31'-1 1/2" (TOG)	02/01/12
STRUC-1 SS3301 (REV0) (120206)	25483-000-SS-3410-00001	0	Main STG GSU Transformer, Isometric View	2/6/2012
STRUC-1 SS3301 (REV0) (120206)	25483-000-SS-3410-00002	0	Main STG GSU Transformer, Plan at EL 9'-10 1/2" (TOS)	2/6/2012
STRUC-1 SS3301 (REV0) (120206)	25483-000-SS-3410-00003	0	Main STG GSU Transformer, Grating Plan At EL +10'-0" (TOG)	2/6/2012
STRUC-1 SS3301 (REV0) (120206)	25483-000-SS-3510-00001	0	CT Transformer, Unit 1 & Unit 2, Isometric View	2/6/2012
STRUC-1 SS3301 (REV0) (120206)	25483-000-SS-3510-00002	0	CT Transformer, Unit 1 & Unit 2, Plan At EL +9'-10 1/2 (TOS)	2/6/2012
STRUC-1 SS3301 (REV0) (120206)	25483-000-SS-3510-00003	0	CT Transformer, Unit 1 & Unit 2, Grating Plan At EL +10'-0" (TOG)	2/6/2012

CBO Reference Number	Document Number	Rev	Document Title	Actual to CBO
STRUC-1 SS3301 (REV0) (120206)	25483-000-SS-3510-00004	0	CT Transformer, Unit 1 & Unit 2, Base Plate & Beam connection details	2/6/2012
STRUC-1 SS7203 (REV1) (120228)	25483-000-SS-7220-00001	0	CT Chemical Tote Shed, Isometric View	02/28/12
STRUC-1 SS7203 (REV1) (120228)	25483-000-SS-7220-00002	0	CT Chemical Tote Shed, Plan @ EL 11'-11" (Base Plate Plan)	02/28/12
STRUC-1 SS7203 (REV1) (120228)	25483-000-SS-7220-00003	0	CT Chemical Tote Shed, Plan @ Roof level	02/28/12
STRUC-1 SS7203 (REV1) (120228)	25483-000-SS-7229-00001	1	CT Chemical Tote Shed, Elevation along Grid 1 & 2	02/28/12
STRUC-1 SS7203 (REV1) (120228)	25483-000-SS-7229-00002	0	CT Chemical Tote Shed, Elevation along Grid A, B & C	02/28/12
STRUC-1 SS7203 (REV1) (120228)	25483-000-SS-7229-00003	0	CT Chemical Tote Shed, Elevation along Grid 1, A & C	02/28/12
STRUC-1 SS7203 (REV1) (120228)	25483-000-SS-7229-00004	0	CT Chemical Tote Shed, Plan for Purlin	02/28/12
STRUC-1 SS7203 (REV1) (120228)	25483-000-SS-7229-00005	0	CT Chemical Tote Shed, Base plt & beam connection details	02/28/12
STRUC-1 SS7203 (REV1) (120228)	25483-000-SS-7229-00006	0	CT Chemical Tote Shed, H_Brace Connection details	02/28/12
STRUC-1 SS7203 (REV1) (120228)	25483-000-SS-7229-00007	0	CT Chemical Tote Shed, V_Brace Connection details	02/28/12
STRUC-1 SS7203 (REV1) (120228)	25483-000-SS-7229-00008	0	CT Chemical Tote Shed, Purlin & Girt connection details	02/28/12

CBO Reference Number	Document Number	Rev	Document Title	Actual to CBO
STRUC-1 SS7102 (REV2) (120216)	25483-000-SS-7410-00001	1	Chemical Storage Area Sunshade, Isometric View	02/16/12
STRUC-1 SS7102 (REV2) (120216)	25483-000-SS-7410-00002	0	Chemical Storage Area Sunshade, Plan at EL+11'-6" & 15'-7"	02/16/12
STRUC-1 SS7102 (REV2) (120216)	25483-000-SS-7410-00003	1	Chemical Storage Area Sunshade, Plan at Roof level	02/16/12
STRUC-1 SS7102 (REV2) (120216)	25483-000-SS-7490-00001	0	Chemical Storage Area Sunshade, Elevation Along Grid A, B, 1 & 2	02/16/12
STRUC-1 SS7102 (REV2) (120216)	25483-000-SS-7490-00002	1	Chemical Storage Area Sunshade, Sections	02/16/12
STRUC-1 SS7102 (REV2) (120216)	25483-000-SS-7491-00001	0	Chemical Storage Area Sunshade, Plan for Purlin	02/16/12
STRUC-1 SS7102 (REV2) (120216)	25483-000-SS-7499-00001	2	Chemical Storage Area Sunshade, Base Plate, Beam & Col. Connection Detail	02/16/12
STRUC-1 SS7102 (REV2) (120216)	25483-000-SS-7499-00002	2	Chemical Storage Area Sunshade, H_Brace Connection Details	02/16/12
STRUC-1 SS7102 (REV2) (120216)	25483-000-SS-7499-00003	2	Chemical Storage Area Sunshade, V_Brace Connection Details	02/16/12
STRUC-1 SS7102 (REV2) (120216)	25483-000-SS-7499-00004	0	Chemical Storage Area Sunshade, Purlin Connection Details	02/16/12
STRUC-1 SS7202 (REV1) (120207)	25483-000-SS-7510-00001	0	Cooling Tower Cable Tray supports, Isometric View	02/07/12
STRUC-1 SS7202 (REV1) (120207)	25483-000-SS-7510-00002	0	Cooling Tower Cable Tray supports, Supporting Frame Details for Frame 1	02/07/12

CBO Reference Number	Document Number	Rev	Document Title	Actual to CBO
STRUC-1 SS7202 (REV1) (120207)	25483-000-SS-7510-00003	0	Cooling Tower Cable Tray supports, Supporting Frame Details for Frame 2	02/07/12
STRUC-1 SS9105 (REV3) (120228)	25483-000-SS-9119-00022	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 31ft-4.5in. (TOG)	02/28/12
STRUC-1 SS9105 (REV3) (120228)	25483-000-SS-9119-00023	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 31ft-4.5in. (TOG)	02/28/12
STRUC-1 SS9105 (REV3) (120228)	25483-000-SS-9119-00024	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 31ft-4.5in. (TOG)	02/28/12
STRUC-1 SS9105 (REV3) (120228)	25483-000-SS-9119-00025	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 31ft-4.5in. (TOG)	02/28/12
STRUC-1 SS9105 (REV3) (120228)	25483-000-SS-9119-00026	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 31ft-4.5in. (TOG)	02/28/12
STRUC-1 SS9105 (REV3) (120228)	25483-000-SS-9119-00027	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLANS AT EL. 21ft-0in and 31ft-4.5in	02/28/12
STRUC-1 SS9105 (REV3) (120228)	25483-000-SS-9119-00028	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 41ft-4.5in (TOG)	02/28/12
STRUC-1 SS9105 (REV3) (120228)	25483-000-SS-9119-00029	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 41ft-4.5in (TOG)	02/28/12
STRUC-1 SS9105 (REV3) (120228)	25483-000-SS-9119-00030	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 41ft-4.5in (TOG)	02/28/12
STRUC-1 SS9105 (REV3) (120228)	25483-000-SS-9119-00031	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 41ft-4.5in (TOG)	02/28/12
STRUC-1 SS9105 (REV3) (120228)	25483-000-SS-9119-00032	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 41ft-4.5in (TOG)	02/28/12

CBO Reference Number	Document Number	Rev	Document Title	Actual to CBO
STRUC-1 SS9105 (REV3) (120228)	25483-000-SS-9119-000033	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 41ft-4.5in (TOG)	02/28/12
STRUC-1 SS9105 (REV3) (120228)	25483-000-SS-9119-000034	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLANS AT EL.4ft-4in AND 53ft-4.5in	02/28/12
STRUC-1 SS9106 (REV3) (120228)	25483-000-SS-9119-000035	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 51ft-3in (TOG)	02/28/12
STRUC-1 SS9106 (REV3) (120228)	25483-000-SS-9119-000036	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 53ft-4.5in (TOG)	02/28/12
STRUC-1 SS9106 (REV3) (120228)	25483-000-SS-9119-000037	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLANS AT 53ft-4.5in and 63ft-4.5in	02/28/12
STRUC-1 SS9106 (REV3) (120228)	25483-000-SS-9119-000038	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLANS AT EL.63ft-4.5in and 70ft-0in	02/28/12
STRUC-1 SS9106 (REV3) (120228)	25483-000-SS-9119-000039	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLAN AT EL. 63ft-4.5 (TOG)	02/28/12
STRUC-1 SS9106 (REV3) (120228)	25483-000-SS-9119-000040	2	HRSG UNIT 1 AND 2 STRUCTURAL STEEL GRATING PLANS AT EL. 61ft-3in and 68ft-0in	02/28/12
STRUC-1 SS2104 (REV1) (120201)	25483-000-SSC-2100-000001	1	Calculation For Structural Design of STG Pipe Rack	02/01/12
STRUC-1 SS2104 (REV1) (120201)	25483-000-SSC-2100-000002	0	Structural Design of STG Platforms	02/01/12
STRUC-1 SS3301 (REV0) (120206)	25483-000-SSC-3310-000001	0	Design of Transformer area platform supports Calculation	2/6/2012
STRUC-1 DB7204 (REV0) (120203)	25483-000-SSC-7210-000003	0	Structural Design of Cable tray support	02/03/12

CBO Reference Number	Document Number	Rev	Document Title	Actual to CBO
STRUC-1 SS7202 (REV1) (120207)	25483-000-SSC-7210-00003	0	Structural design of CT Cable Tray Support	02/07/12
STRUC-1 SS7203 (REV1) (120228)	25483-000-SSC-7210-00004	1	Structural for structural design of chemical feed skid tote shed	02/28/12
STRUC-1 SS9105 (REV3) (120228)	25483-000-SSC-9210-00001	2	Calculation For Structural Design of HRSG Pipe Rack	02/28/12
STRUC-1 SS9106 (REV3) (120228)	25483-000-SSC-9210-00001	2	Calculation for Structural Design of HRSG Pipe Rack	02/28/12
STRUC-1 DB1415 (REV1) (120216)	25483-001-DB-1411-00003	1	Combustion Turbine Area, Unit #1, SWAS shelter and Chiller unit Foundation Plan, Sections	2/16/12
STRUC-1 DB1415 (REV1) (120216)	25483-001-DBC-1411-00001	1	SWAS Shelter Foundation Analysis & Design	2/16/12
STRUC-1 DB2110 (REV0) (120221)	25483-003-DB-2110-00010	0	STG Area Unit-3 pipe support, Plan & Section	2/21/12
STRUC-1 DB2110 (REV0) (120221)	25483-003-DBC-2110-00001	0	Design of STG Area mat for miscellaneous pipe supports	2/21/12
STRUC-1 DB7204 (REV0) (120203)	25483-0-DB-7210-00008	0	Cooling Tower Area, Cable Tray Support Foundation Plan, Section & Details	02/03/12
STRUC-1 DB7205 (REV0) (120203)	25483-0-DB-7210-00009	0	Cooling Tower Basin Area, Foundation Plan for Pipe Risers, Stair & Ladder Pad (Sheet 1)	02/03/12
STRUC-1 DB7205 (REV0) (120203)	25483-0-DB-7210-00010	0	Cooling Tower Basin Area, Foundation Plan for Pipe Risers, Stair & Ladder Pad (Sheet 2)	02/03/12

**CONDITION OF CERTIFICATION  
MECH-1**

**Russell City Energy Center  
Monthly Compliance Report #20  
March 2012**

 Russell City Energy Center Project CBO Plan Submittal Package (01-AFC-7C)	Responsible Engineer: <a href="#">Muzaffar Sajjad</a>
	C.O.C. No.: <a href="#">MECH-1</a>
Certificate of Compliance for Month of: <a href="#">February 2012</a>	

**DOCUMENT TRANSMITTAL**

I hereby attest that the designs represented by the below referenced documents have been completed in accordance with local ordinances, regulations, and standards, and the requirements of the California Energy Commission (CEC) Final Commission Decision, with respect to the area of facility design.



REVIEW  
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ONLY

Digitally signed by  
 REVIEWED FOR  
 REFERENCE ONLY  
 DN: cn=REVIEWED  
 FOR REFERENCE  
 ONLY, o=TRB +  
 Associates, Inc.,  
 ou=Delegate CBO,  
 email=websys@trbpl  
 us.com, c=US  
 Date: 2012.03.07<sup>®</sup>  
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Responsible Engineering Seal, Signature and Date

CBO Reference Number	Document Number	Rev	Document Title	Actual to CBO
MECH-1 PH01 (REV1) (120208)	25483-000-PHC-AB-00001	1	Pipe Support Qualification Calculation - AB	02/08/12
MECH-1 PH02 (REV1) (120208)	25483-000-PHC-AE-00001	0	Pipe Support Qualification Calculation - AE	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00011	0	Pipe Support Drawing - 1-PH-AB-0001	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00031	1	Pipe Support Drawing - 1-PH-AB-0003	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00041	0	Pipe Support Drawing - 1-PH-AB-0004	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00051	0	Pipe Support Drawing - 1-PH-AB-0005	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00061	0	Pipe Support Drawing - 1-PH-AB-0006	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-0007-Sh1	0	Pipe Support Drawing - 1-PH-AB-0007	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-0007-Sh2	0	Pipe Support Drawing - 1-PH-AB-0007	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00081	0	Pipe Support Drawing - 1-PH-AB-0008	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00091	1	Pipe Support Drawing - 1-PH-AB-0009	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00101	1	Pipe Support Drawing - 1-PH-AB-0010	02/08/12

CBO Reference Number	Document Number	Rev	Document Title	Actual to CBO
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-0011-Sh1	0	Pipe Support Drawing - 1-PH-AB-0011	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-0011-Sh2	0	Pipe Support Drawing - 1-PH-AB-0011	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00121	0	Pipe Support Drawing - 1-PH-AB-0012	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00131	1	Pipe Support Drawing - 1-PH-AB-0013	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00141	0	Pipe Support Drawing - 1-PH-AB-0014	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00151	0	Pipe Support Drawing - 1-PH-AB-0015	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00161	0	Pipe Support Drawing - 1-PH-AB-0016	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00171	0	Pipe Support Drawing - 1-PH-AB-0017	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00181	0	Pipe Support Drawing - 1-PH-AB-0018	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00191	1	Pipe Support Drawing - 1-PH-AB-0019	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00201	0	Pipe Support Drawing - 1-PH-AB-0020	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00341	0	Pipe Support Drawing - 1-PH-AB-0034	02/08/12

CBO Reference Number	Document Number	Rev	Document Title	Actual to CBO
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00351	0	Pipe Support Drawing - 1-PH-AB-0035	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00361	0	Pipe Support Drawing - 1-PH-AB-0036	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00371	0	Pipe Support Drawing - 1-PH-AB-0037	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00381	0	Pipe Support Drawing - 1-PH-AB-0038	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00391	1	Pipe Support Drawing - 1-PH-AB-0039	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00491	0	Pipe Support Drawing - 1-PH-AB-0049	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00501	0	Pipe Support Drawing - 1-PH-AB-0050	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00511	0	Pipe Support Drawing - 1-PH-AB-0051	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00521	0	Pipe Support Drawing - 1-PH-AB-0052	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00531	0	Pipe Support Drawing - 1-PH-AB-0053	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00541	0	Pipe Support Drawing - 1-PH-AB-0054	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00551	0	Pipe Support Drawing - 1-PH-AB-0055	02/08/12

CBO Reference Number	Document Number	Rev	Document Title	Actual to CBO
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00561	0	Pipe Support Drawing - 1-PH-AB-0056	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00571	0	Pipe Support Drawing - 1-PH-AB-0057	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00581	0	Pipe Support Drawing - 1-PH-AB-0058	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00591	1	Pipe Support Drawing - 1-PH-AB-0059	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00601	0	Pipe Support Drawing - 1-PH-AB-0060	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00611	0	Pipe Support Drawing - 1-PH-AB-0061	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00621	0	Pipe Support Drawing - 1-PH-AB-0062	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00631	0	Pipe Support Drawing - 1-PH-AB-0063	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-001-PH-AB-00821	0	Pipe Support Drawing - 1-PH-AB-0082	02/08/12
MECH-1 PH02 (REV1) (120208)	25483-001-PH-AE-00311	0	Pipe Support Drawing - 1-PH-AE-0031	02/08/12
MECH-1 PH02 (REV1) (120208)	25483-001-PH-AE-00321	0	Pipe Support Drawing - 1-PH-AE-0032	02/08/12
MECH-1 PH02 (REV1) (120208)	25483-001-PH-AE-00331	0	Pipe Support Drawing - 1-PH-AE-0033	02/08/12

CBO Reference Number	Document Number	Rev	Document Title	Actual to CBO
MECH-1 PH02 (REV1) (120208)	25483-001-PH-AE-00341	0	Pipe Support Drawing - 1-PH-AE-0034	02/08/12
MECH-1 PH02 (REV1) (120208)	25483-001-PH-AE-00351	1	Pipe Support Drawing - 1-PH-AE-0035	02/08/12
MECH-1 PH02 (REV1) (120208)	25483-001-PH-AE-00371	0	Pipe Support Drawing - 1-PH-AE-0037	02/08/12
MECH-1 PH02 (REV1) (120208)	25483-001-PH-AE-00401	0	Pipe Support Drawing - 1-PH-AE-0040	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-002-PH-AB-00271	0	Pipe Support Drawing - 2-PH-AB-0027	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-002-PH-AB-00291	1	Pipe Support Drawing - 2-PH-AB-0029	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-002-PH-AB-00301	0	Pipe Support Drawing - 2-PH-AB-0030	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-002-PH-AB-00311	0	Pipe Support Drawing - 2-PH-AB-0031	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-002-PH-AB-00321	0	Pipe Support Drawing - 2-PH-AB-0032	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-002-PH-AB-00331	0	Pipe Support Drawing - 2-PH-AB-0033	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-002-PH-AB-00401	0	Pipe Support Drawing - 2-PH-AB-0040	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-002-PH-AB-00411	0	Pipe Support Drawing - 2-PH-AB-0041	02/08/12

CBO Reference Number	Document Number	Rev	Document Title	Actual to CBO
MECH-1 PH01 (REV1) (120208)	25483-002-PH-AB-00421	0	Pipe Support Drawing - 2-PH-AB-0042	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-002-PH-AB-00431	0	Pipe Support Drawing - 2-PH-AB-0043	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-002-PH-AB-00441	0	Pipe Support Drawing - 2-PH-AB-0044	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-002-PH-AB-00451	0	Pipe Support Drawing - 2-PH-AB-0045	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-002-PH-AB-00461	0	Pipe Support Drawing - 2-PH-AB-0046	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-002-PH-AB-00471	1	Pipe Support Drawing - 2-PH-AB-0047	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-002-PH-AB-00641	0	Pipe Support Drawing - 2-PH-AB-0064	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-002-PH-AB-00721	0	Pipe Support Drawing - 2-PH-AB-0072	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-002-PH-AB-00731	1	Pipe Support Drawing - 2-PH-AB-0073	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-002-PH-AB-00741	0	Pipe Support Drawing - 2-PH-AB-0074	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-002-PH-AB-00751	0	Pipe Support Drawing - 2-PH-AB-0075	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-002-PH-AB-00761	0	Pipe Support Drawing - 2-PH-AB-0076	02/08/12

CBO Reference Number	Document Number	Rev	Document Title	Actual to CBO
MECH-1 PH01 (REV1) (120208)	25483-002-PH-AB-00831	0	Pipe Support Drawing - 2-PH-AB-0083	02/08/12
MECH-1 PH02 (REV1) (120208)	25483-002-PH-AE-00411	0	Pipe Support Drawing - 2-PH-AE-0041	02/08/12
MECH-1 PH02 (REV1) (120208)	25483-002-PH-AE-00421	0	Pipe Support Drawing - 2-PH-AE-0042	02/08/12
MECH-1 PH02 (REV1) (120208)	25483-002-PH-AE-00431	0	Pipe Support Drawing - 2-PH-AE-0043	02/08/12
MECH-1 PH02 (REV1) (120208)	25483-002-PH-AE-00441	0	Pipe Support Drawing - 2-PH-AE-0044	02/08/12
MECH-1 PH02 (REV1) (120208)	25483-002-PH-AE-00451	1	Pipe Support Drawing - 2-PH-AE-0045	02/08/12
MECH-1 PH02 (REV1) (120208)	25483-002-PH-AE-00471	0	Pipe Support Drawing - 2-PH-AE-0047	02/08/12
MECH-1 PH02 (REV1) (120208)	25483-002-PH-AE-00481	0	Pipe Support Drawing - 2-PH-AE-0048	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-003-PH-AB-00211	0	Pipe Support Drawing - 3-PH-AB-0021	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-003-PH-AB-00221	1	Pipe Support Drawing - 3-PH-AB-0022	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-003-PH-AB-00231	0	Pipe Support Drawing - 3-PH-AB-0023	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-003-PH-AB-00241	0	Pipe Support Drawing - 3-PH-AB-0024	02/08/12

CBO Reference Number	Document Number	Rev	Document Title	Actual to CBO
MECH-1 PH01 (REV1) (120208)	25483-003-PH-AB-00251	0	Pipe Support Drawing - 3-PH-AB-0025	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-003-PH-AB-00261	0	Pipe Support Drawing - 3-PH-AB-0026	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-003-PH-AB-00651	0	Pipe Support Drawing - 3-PH-AB-0065	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-003-PH-AB-00661	0	Pipe Support Drawing - 3-PH-AB-0066	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-003-PH-AB-00671	0	Pipe Support Drawing - 3-PH-AB-0067	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-003-PH-AB-00681	0	Pipe Support Drawing - 3-PH-AB-0068	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-003-PH-AB-00691	1	Pipe Support Drawing - 3-PH-AB-0069	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-003-PH-AB-00701	0	Pipe Support Drawing - 3-PH-AB-0070	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-003-PH-AB-00771	0	Pipe Support Drawing - 3-PH-AB-0077	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-003-PH-AB-00781	0	Pipe Support Drawing - 3-PH-AB-0078	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-003-PH-AB-00791	0	Pipe Support Drawing - 3-PH-AB-0079	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-003-PH-AB-00801	0	Pipe Support Drawing - 3-PH-AB-0080	02/08/12

CBO Reference Number	Document Number	Rev	Document Title	Actual to CBO
MECH-1 PH01 (REV1) (120208)	25483-003-PH-AB-00811	1	Pipe Support Drawing - 3-PH-AB-0081	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-003-PH-AB-00812	0	Pipe Support Drawing - 3-PH-AB-0081	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-003-PH-AB-00851	0	Pipe Support Drawing - 3-PH-AB-0085	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-003-PH-AB-00861	0	Pipe Support Drawing - 3-PH-AB-0086	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-003-PH-AB-00871	0	Pipe Support Drawing - 3-PH-AB-0087	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-003-PH-AB-00881	1	Pipe Support Drawing - 3-PH-AB-0088	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-003-PH-AB-00891	0	Pipe Support Drawing - 3-PH-AB-0089	02/08/12
MECH-1 PH01 (REV1) (120208)	25483-003-PH-AB-00901	0	Pipe Support Drawing - 3-PH-AB-0090	02/08/12



Russell City Energy Center Project  
CBO Plan Submittal Package (01-AFC-7C)

Responsible Engineer: [Robert Krumpen](#)

C.O.C. No.: [MECH-1](#)

Certificate of Compliance for Month of: [January 2012](#)

### DOCUMENT TRANSMITTAL

I hereby attest that the designs represented by the below referenced documents have been completed in accordance with local ordinances, regulations, and standards, and the requirements of the California Energy Commission (CEC) Final Commission Decision, with respect to the area of facility design.

Robert P.  
Krumpen III  
I am  
approving this  
document  
2012.03.05  
13:42:51  
-08'00'



**REVIEW  
ED FOR  
REFER  
ENCE  
ONLY**

Digitally signed by  
REVIEWED FOR  
REFERENCE ONLY  
DN: cn=REVIEWED  
FOR REFERENCE  
ONLY, o=TRB +  
Associates, Inc.,  
ou=Delegate CBO,  
email=websys@trbpl  
us.com, c=US ®  
Date: 2012.03.07  
09:51:38 -08'00'

Responsible Engineering Seal, Signature and Date

CBO Reference Number	Document Number	Rev	Document Title	Actual to CBO
MECH-1 006B (REV0) (120125)	25483-000-30R-C01G-00001	0	Use of Firewall System for CTG and STG Transformers	01/25/12

**CONDITION OF CERTIFICATION  
ELEC-1**

**Russell City Energy Center  
Monthly Compliance Report #20  
March 2012**

 Russell City Energy Center Project CBO Plan Submittal Package (01-AFC-7C)	<b>Responsible Engineer:</b> Koushik Chanda
	<b>C.O.C. No.:</b> ELEC-1
<b>Certificate of Compliance for Month of: February 2012</b>	

**DOCUMENT TRANSMITTAL**

I hereby attest that the designs represented by the below referenced documents have been completed in accordance with local ordinances, regulations, and standards, and the requirements of the California Energy Commission (CEC) Final Commission Decision, with respect to the area of facility design.



Digitally signed by Koushik Chanda  
 DN: cn=Koushik Chanda, o=Bechtel, ou=Bechtel Power Corporation, email=kchanda@bechtel.com, c=US  
 Date: 2012.03.05 14:33:37 -05'00'

Responsible Engineering Seal, Signature and Date

REVIEWED  
FOR  
REFERENC  
E ONLY

Digitally signed by REVIEWED FOR REFERENCE ONLY  
 DN: cn=REVIEWED FOR REFERENCE ONLY, o=TRB + Associates, Inc., ou=Delegate CBO, email=websys@trbplus.com, c=US  
 Date: 2012.03.07 09:32:24 -08'00'

<b>CBO Reference Number</b>	<b>Document Number</b>	<b>Rev</b>	<b>Document Title</b>	<b>Actual to CBO</b>
ELEC-1 3DR01 (REV0) (120228)	25483-000-3DR-E04G-00001	0	ELECTRICAL DESIGN CRITERIA	2/28/12
<b>ELEC-1 0007 (REV1) (1202xx)</b>	<b>25483-000-E0C-EW-00002</b>	<b>1</b>	<b>SIZING OF CABLES IN UNDERGROUND DUCTBANKS</b>	<b>02/28/12</b>
ELEC-1 EY01 (REV0) (120207)	25483-000-E0C-EY-00002	0	Relay Setting Calculation for Generator Step Up Transformer (GSU) Protection and Unit Auxiliary Transformer (UAT) Protection	02/07/12
<b>ELEC-1 EG03 (REV1) (120209)</b>	<b>25483-000-EG-3201-00001</b>	<b>1</b>	<b>GROUNDING PLAN- MAIN SWGR BUILDING</b>	<b>2/9/12</b>
<b>ELEC-1 0018 (REV3) (120209)</b>	<b>25483-000-EG-7201-00002</b>	<b>2</b>	<b>GROUNDING PLAN ZERO LIQUID DISCHARGE (ZLD) AREA</b>	<b>2/9/12</b>

**CONDITION OF CERTIFICATION  
AQ-SC3 and AQ-SC4**

**Russell City Energy Center  
Monthly Compliance Report #20  
March 2012**



RCEC PROJECT

BECHTEL #1  
WATER WAGON

ATTACHMENT A - FUGITIVE DUST LOG

Condition of Certification AQ-SC3 & AQ-SC4

	MONTH:	MARCH	YEAR:	2012		Material Stock Pile Treatment		Roadways — Water Wagon/Street Sweeper in use		Contractor: Bechtel	
	Date	Time	Daily Low Ambient Temp °F	24 hr rainfall (inches)	Max 1 hr Wind Speed (mph)	Water Treatment Active Storage (Y/N)	Water Treatment Inactive Storage (Y/N)	Paved Roads (WW/SS)	Unpaved Roads (WW/SS)	Operator Initials	Comments, Equipment, Problems & Work Orders:
Thursday	①	: AM/PM	42°	0.15"				0	0	M.L.	RAIN ALL DAY
Friday	②	: AM/PM	37°					✓	✓	M.L.	STILL WAT ✓
Saturday	③	: AM/PM	40°					—	—	—	—
Sunday	④	: AM/PM	45°					—	—	—	—
Monday	⑤	: AM/PM	45°					✓	✓	M.L.	SUNNY
Tuesday	⑥	: AM/PM	44°	T				✓	✓	M.L.	SUNNY
Wednesday	⑦	: AM/PM	40°					✓	✓	M.L.	SUNNY
Thursday	⑧	: AM/PM	39°					✓	✓	M.L.	SUNNY
Friday	⑨	: AM/PM	42°					✓	✓	M.L.	SUNNY
Saturday	⑩	: AM/PM	44°								
Sunday	⑪	: AM/PM	44°								
Monday	12	: AM/PM	40°					✓	✓	M.L.	SUNNY
Tuesday	⑬	: AM/PM	52°	✓				—	—	M.L.	RAIN ALL DAY
Wednesday	⑭	: AM/PM	55°	✓	34°			—	—	M.L.	RAIN ALL DAY

	Date	Time	Daily Low Ambient Temp °F	24 hr rainfall (inches)	Max 1 hr Wind Speed (mph)	Water Treatment Active Storage (Y/N)	Water Treatment Inactive Storage (Y/N)	Paved Roads (WW/SS)	Unpaved Roads (WW/SS)	Operator Initials	Comments, Equipment, Problems & Work Orders:
Thursday	15	: AM/PM	56°	.70"				-	-	M.L.	RAIN ALL DAY
Friday	16	: AM/PM	48°	T				-	-	M.L.	RAIN ALL DAY
Saturday	17	: AM/PM	42°	.69"							
Sunday	18	: AM/PM	44°	-							
Monday	19	: AM/PM	38°	0.01"				✓	✓	M.L.	SUNNY ALL DAY
Tuesday	20	: AM/PM	50°	-				✓	✓	M.L.	SUNNY
Wednesday	21	: AM/PM	47°	-				✓	✓	M.L.	SUNNY
Thursday	22	: AM/PM	46°	-				✓	✓	M.L.	OVERCAST
Friday	23	: AM/PM	41°	-				✓	✓	M.L.	STEADY
Saturday	24	: AM/PM	44°	.67"							
Sunday	25	: AM/PM	42°	0.28"							
Monday	26	: AM/PM	43°	-				✓	✓	M.L.	SUNNY
Tuesday	27	: AM/PM	51°	0.63"				✓	✓	M.L.	OVERCAST LITTLE RAIN
Wednesday	28	: AM/PM	51°	.04"				✓	✓	M.L.	SUNNY
Thursday	29	: AM/PM	48°	-				✓	✓	M.L.	SUNNY
Friday	30	: AM/PM	57°	-				✓	✓	M.L.	SUNNY
Saturday	31	: AM/PM	48°	.42"				✓	✓	M.L.	COLD SUNNY RAIN

1. WW - Water Wagon, SS Street Sweeper

Source of Weather Data : Rain 3.93" WIND 5 mph TEMPERATURE - 45.1° SUPERVISOR REVIEW [Signature] Return sheet to CEL

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RCEC PROJECT  
 ATTACHMENT A \_ FUGITIVE DUST LOG  
 Condition of Certification AQ-SC3 & AQ-SC4

SWEeper  
 TRUCK

	MONTH:	MARCH	YEAR:	2012			Material Stock Pile Treatment		Roadways — Water Wagon/Street Sweeper In use		Contractor: Bechtel	
	Date	Time	Daily Low Ambient Temp °F	24 hr rainfall (inches)	Max 1 hr Wind Speed (mph)	Water Treatment Active Storage (Y/N)	Water Treatment Inactive Storage (Y/N)	Paved Roads (WW/SS)	Unpaved Roads (WW/SS)	Operator Initials	Comments, Equipment, Problems & Work Orders:	
Thursday	1	: AM/PM	42°					SS		John	Showers	
Friday	2	: AM/PM	37°					SS		John	Sunny	
Saturday	3	: AM/PM	40°					SS		John	Sunny	
Sunday	4	: AM/PM	45°					—				
Monday	5	: AM/PM	45°					SS		John	Sunny	
Tuesday	6	: AM/PM	44	T				SS		John	Sunny/Windy	
Wednesday	7	: AM/PM	40					SS		John	Sunny	
Thursday	8	: AM/PM	39°					SS		John	Sunny	
Friday	9	: AM/PM	42°					SS		John	Sunny	
Saturday	10	: AM/PM	44					SS		John	Sunny	
Sunday	11	: AM/PM	44					—			Sunny	
Monday	12	: AM/PM	40					SS		John	Sunny	
Tuesday	13	: AM/PM	52°	T				SS		John	Rain	
Wednesday	14	: AM/PM	52°	0.34				SS		John	Rain	

	Date	Time	Daily Low Ambient Temp °F	24 hr rainfall (Inches)	Max 1 hr Wind Speed (mph)	Water Treatment Active Storage (Y/N)	Water Treatment Inactive Storage (Y/N)	Paved Roads (WW/SS)	Unpaved Roads (WW/SS)	Operator Initials	Comments, Equipment, Problems & Work Orders:
Thursday	15	: AM/PM	56°	.70"				SS			Showers
Friday	16	: AM/PM	48°	T				SS			Showers
Saturday	17	: AM/PM	42°	.69"				SS			Cloudy
Sunday	18	: AM/PM	44°	-				-			
Monday	19	: AM/PM	58°	.01"				SS			Sunny
Tuesday	20	: AM/PM	50°					SS			Sunny
Wednesday	21	: AM/PM	47°					SS			Cloudy
Thursday	22	: AM/PM	46°					SS			Windy
Friday	23	: AM/PM	41°					SS			Sunny
Saturday	24	: AM/PM	44°	.67"				SS			Rain
Sunday	25	: AM/PM	42°	.28"							
Monday	26	: AM/PM	43°	-				SS			Cloudy
Tuesday	27	: AM/PM	51°	.63				SS			Cloudy/Sprinklers
Wednesday	28	: AM/PM	51°	.04				SS			Sunny
Thursday	29	: AM/PM	49°					SS			Partly Sunny
Friday	30	: AM/PM	51°					SS			Partly Cloudy
Saturday	31	: AM/PM	48°	.42				SS			Rain

1. WW - Water Wagon, SS Street Sweeper

Source of Weather Data : Rain 3.93 WIND 5 mph TEMPERATURE - 45.1 SUPERVISOR REVIEW JB Return sheet to CEL

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# RCEC PROJECT

3-12-12

## FUGITIVE DUST TIRE INSPECTION LOG Conditions of Certification AQ-5SC3 (d.)

Page # 1

3/12/12

Month: MARCH Year: 2012

Date	Time	AM / PM	Construction Equipment Vehicle	Tires Check	Action Needed	Security Guard Initials
3/12	7:52	AM / PM	Central Rental	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	8:33	AM / PM	Central #21	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	8:33	AM / PM	Central	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	9:33	AM / PM	Hertz E-R	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	10:12	AM / PM	Central CON	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	10:18	AM / PM	Central	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	10:18	AM / PM	Central CON	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	10:24	AM / PM	Central CON	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	10:28	AM / PM	WASTE MAG	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	10:31	AM / PM	Central CON	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	10:37	AM / PM	Central CON	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	10:38	AM / PM	Central	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	10:57	AM / PM	Central CON	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	11:05	AM / PM	Central CON	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	11:15	AM / PM	Central CON	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	11:25	AM / PM	W.M	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	11:26	AM / PM	Central CON	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	11:32	AM / PM	Central CON	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	11:32	AM / PM	Southcounty 2	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	A.S.
3/12	11:41	AM / PM	Central CON	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	11:41	AM / PM	) ) )	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	12:02	AM / PM	) ) )	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	12:06	AM / PM	C Concrete	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	12:12	AM / PM	CC	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	12:48	AM / PM	Central	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	12:54	AM / PM	Central CON	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	13:00	AM / PM	Central CON	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	13:08	AM / PM	Central CON	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	13:15	AM / PM	Central CON	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	13:24	AM / PM	) ) )	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	13:31	AM / PM	) ) )	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	13:37	AM / PM	) ) )	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	13:43	AM / PM	Central	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.
3/12	13:51	AM / PM	Central CON	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	L.S.

Comments :























Construction activities continue on the Depot Road PG&E 16" Gas Pipeline Installation to supply Russell City Energy Center in Hayward, California. The trench has been excavated and pipe installed from west of the intersection of Depot Road and Connecticut to 3111 Depot Road. The trench has been finished paved from the east entrance of Russell City Energy Center to 3520 Depot Road. The trench 920' east of 3520 Depot Road has temporary asphalt to the level of the existing asphalt. The remainder of the trench is covered with steel plates. The foundation pads have been formed and concrete placed for the Meter Station.

#### **AQ-SC3 Fugitive Dust Control**

- To control dust on all road surfaces impacted by the construction activity a street sweeper is active from 8:00 a.m. to 10:00 a.m. and again from 2:00 p.m. to 4:00 p.m. Also, a street sweeper from a nearby by project sweeps Depot Road during all construction hours.
- Traffic control is in place to maintain safe and slow speed limit through the construction area.
- Foley Yard is dust free and tracks little or no dust onto the road surface. This area is also swept by the street sweeper on an as needed basis.
- Excavation materials are moist or saturated and do not create any significant amount of dust. Excavated materials are not stored in the construction area. Immediate excavation area is swept and shovel cleaned as needed.
- Dust for the concrete pad preparation at the Meter Station was not a factor due to recent rainfall.

#### **AQ-SC4 Dust Plume Response Requirement**

- There are no plumes this month to respond to.

#### **AQ-SC5 Diesel Fueled Engines Control**

- All engines use only ultra-low sulfur diesel fuel purchased from commercial fuel stations. This is the only fuel available in the state of California. ARB has a national fuel account and does not require their employees to get receipts all fuel. A few receipts are attached that represent the fuel purchase locations for this project. The column on the Diesel Engine Inventory Report with an estimate of the fuel consumed from ARB site construction lead. Subcontractors do not receive fuel statements until after this report is due.
- All off road equipment engines meet the CCR Title 13, Section 2423 (b)(1) table for compliance as Tier 2 and Tier 3 and has been tagged per AQ-SC5 (b).
- A summary of all off road equipment is provided on the attached table along with a statement from the prime contractor that the equipment is properly maintained. All on road equipment is currently registered with the California DMV.
- The construction activities have been visually and audibly monitored for compliance with reminders through the construction contractor supervisory staff that there is a five (5) minute idling restrictions for this project.

Russell City Energy - Depot Road 16" Gas Pipeline Installation  
Fugitive Dust Log

PG&E Project: 30603564

ARB Project 06303209U

DAY	TIME	WEATHER				CONSTRUCTION ACTIVITY	ACCESS		MITIGATION MEASURE				COMMENTS
		TEMP	HUMIDITY	RAIN	WIND		PAVED	UNPAVED	WATER APPLICATION	SPEED	VEHICLE INSPECTION	OTHER	
1		46°/54°	86%	0.15	W13	Potholes @ Connecticut	x						
2		38°/60°	40%	0.00	NW6	Excavated & Topped out trench	x						
3													
4													
5		45°/60°	69%	0.00	WNW10	Dewatered, excavate, install pipe	x						
6		46°/55°	48%	T	WNW20G26	Excavated, pipe/offset installed	x						
7		44°/64°	17%	0.00	ENE13G18	Excavated, install pipe, slurry backfill	x						
8		51°/65°	37%	0.00	W5	Saw cutting, excavation, install pipe	x						
9		43°/69°	53%	0.00	W6	Excavate, install pipe, temp asphalt	x						
10													
11													
12		41°/59°	58%	0.00	SWS	Excavate, install pipe, slurry backfill	x						
13		54°/55°	88%	0.27	SSE18G25	Rain Day - Dumps Closed	x						
14		56°/57°	94%	0.54	SSE10G20	Rain Day - Dumps Closed	x						
15		58°/62°	87%	T	S8	Excavate, install pipe	x						
16		57°/60°	83%	0.02	S10	Rain Day - Dumps Closed	x						
17													
18													
19		47°/53°	52%	0.00	ENE3	Dewatered, excavate, install pipe	x						
20		50°/62°	53%	0.00	VRBL5	Excavate, install pipe, finish pave	x						Meter Station work begins
21		48°/68°	61%	0.00	CALM	Excavate, install pipe, finish pave	x						Meter Station concrete formed & placed
22		55°/55°	79%	0.00	WNW15	Dewatered, excavate, install pipe	x						
23		42°/60°	54%	0.00	VRBL5	Dewatered, slurry backfill	x						
24													
25													
26	a.m.	44°/57°	53%	0.00	SSE10	Top out trench w/temp asphalt	x						
	p.m.	56°/52°	65%	T	SSE12	Saw cutting, excavation, install pipe	x						
27	p.m.	54°/54°	93%	0.62	SSE18G23	Excavate, install pipe	x						
28	p.m.	59°/49°	89%	0.00	NW8	Excavate, install pipe	x						
29	p.m.	57°/54°	86%	0.00	W6	Excavate, install pipe	x						
30						No work	x						
31		58°/57°	88%	0.24	NW59G90	Slurry backfill with 900 yards mix	x						

**Depot Road 16" Pipeline Installation and Metering Station Foundation at Russell City Energy Center**

Hayward, CA

**DIESEL ENGINE INVENTORY**

PG&E Project: 30603564

Condition of Certification AQ-SC5

ARB Project: 06303209U

Equipment Identification Numbers (EIN's)	Vehicle Type	Manufacturer	Vehicle Model	Vehicle Model Year	Engine Model Year (If Different)	Engine HP	>100 HP Compliance with Air Resources Board Tier 1 Engine	>100 HP Compliance with Air Resources Board Tier 2 Engine	>100 HP Compliance with Air Resources Board Tier 3 Engine	>100 HP Compliance with Air Resources Board Tier 0 Engine with Carb	Date Arrived On Site	Date Removed From Site	Estimated Fuel Use for Month (Gallons)	Owner/Comments
UF9X66	Backhoe	Case	590 - Series 2	2007		108			x		2/3/2012		160	Lodi Backhoe
AR6X3	Backhoe	Case	580 - Series 2	2006		92			x		2/3/2012		80	Lodi Backhoe
TP5C37	Excavator	Cat	321D2 - Series 2	2011		148			x		3/6/2012		325	Lodi Backhoe
PC228US	Excavator	Komatsu		2010		148			x		2/22/2012	3/6/2012	75	Lodi Backhoe Loaner while Cat in for maint.
322036	Side Boom	Cat	561N-WC6N75	2011		121		x			2/6/2012		40	ARB
CRS11-002	Forklift	Cat	TL1255	2011		142			x		2/3/2012		120	ARB
KPK0303	Grinder	Cat	PM200	2007	575				x		3/20/2012		340	C. F. Archibald Paving Inc.

CERTIFICATION: All engines listed above have been maintained properly, on a schedule consistent with and tuned to the engine manufacturer's specifications.

SIGNED:  Print name: Loren Granger

COMPANY: ARIB Inc

Prepared and Submitted by:   
Melanie Lindbeck, AQCOMM

Hayward, CA 94541

VALEO 7218 , L386232598001  
23998 HESAPERIAN BLVD  
HAYWARD , CA  
94541

03/15/2012 05:26:19 AM 274257004

XXXXXXXXXXXXXXXXX6064 WEX

INVOICE 056319  
AUTH 263499  
VEH 06321 ODO 514006

PUMP# 8  
Diesel 44.2570  
PRICE/GAL 4.519  
FUEL TOTAL \$ 200.00

-----  
Subtotal = \$ 200.00  
Tax = \$ 0.00  
-----

Total = \$ 200.00

CREDIT \$ 200.00  
=====

APPROVED 263499  
=====

Thank You

7-ELEVEN  
700 W A ST  
HAYWARD, CA  
DEALER# 10129419

03/20/12  
08:54:18

Pump # 07 - Self  
DIESEL 2 56.8119  
Price/Gal \$4.459  
FINAL TOTAL \$ 253.32  
SALES TAX \$ 0.00  
GROSS TOTAL \$ 253.32

WEX Acct: 6064  
INVOICE: 085418  
AUTH 00-280638  
Batch: 56 Seq: 1

VEH # 06321

WANT FREE GAS?  
REGISTER TO WIN AT  
WWW.GASVISIT.COM

EXPERIENCE THE  
NUCLEUS  
THANK YOU



4/3/12

To whom it may concern,

ARB has a national negotiated fuel account with Wright Express Fleet Management. All of our fuel for this job is purchased at local public gas stations and is hauled to the site by company pickups in transfer tanks. All fuel we purchase is subject to all local and state taxes. All Fuel used is ultra low sulfur diesel fuel.

Sincerely,

A handwritten signature in black ink, appearing to read 'Loren Granger', written over a horizontal line.

Loren Granger

ARB Inc

Project Manager

**CONDITION OF CERTIFICATION  
AQ-SC5**

**Russell City Energy Center  
Monthly Compliance Report #20  
March 2012**



RCEC PROJECT

DIESEL ENGINE INVENTORY

Condition of Certification AQ-SC5

Equipment Identification Numbers (EINs)	Vehicle Type	Vehicle Manufacturer	Vehicle Model	Vehicle Model Year/Engine Model Year	ENGINE HP	> 100 HP COMPLIANCE WITH ARB TIER 2 ENGINE	> 100 HP COMPLIANCE WITH ARB TIER 1 ENGINE	> 100 HP COMPLIANCE WITH ARB TIER 0 ENGINE W CARB	DATE ARRIVED ON SITE	DATE REMOVED FROM SITE
DM9X79	Crane	TEREX	RT335	2003 ENGINE /MODEL YR 2005	155	X			4/11/2011	
FN7N73	Crawler Tractors	CATERPILLAR	D4G	2005 ENGINE /MODEL YR 2005	87	NA			4/11/2011	3/14/2012
MP4D66	Crane	LIEBHERR	LR1280	2003 ENGINE /MODEL YR 2003	536	X			5/23/2011	
KT3E95	Tractors/Loaders/Backhoes	DEERE	310G	2006 ENGINE /MODEL YR2006	71	NA			4/11/2011	
VE8X93	Skid Steer Loaders	BOBCAT	S185	2007 ENGINE /MODEL YR 2007	40	NA			4/12/2011	
WE3D43	Crane	LINK-BELT	RTC-8090ii	2009 ENGINE /MODEL YR 2008	225	X			4/12/2011	
JU8H75	Excavators	CATERPILLAR	336DL	2009 ENGINE /MODEL YR 2009	286	X			4/12/2011	
XS7K45	Rubber Tired Loaders	CATERPILLAR	IT38H	2008 ENGINE /MODEL YR 2008	197	X			4/12/2011	
UY4L99	Roller	CATERPILLAR	CS54	2008 ENGINE /MODEL YR 2008	129	X			4/12/2011	3/18/2012
DV4L85	Crane	GROVE	RT530E	2007 ENGINE /MODEL YR 1999	160	X			5/13/2011	
NU6M84	Aerial Lifts	GENIE	Z60/34/z45	2006 ENGINE /MODEL YR 2006	50	NA			6/20/2011	
BY8A78	CRANE	LINK-BELT	RTC-8065 II	2007 ENGINE /MODEL YR 2008	225	X			8/31/2011	
NU6M64	MANLIFT	GENIE	Z80/34	2006 ENGINE /MODEL YR 2006	50	NA			9/20/2011	
TW6A87	CRANE	MANTOWOC	888	2011 ENGINE /MODEL YR 1999	360	x			9/28/2011	
WW3N83	Forklifts	SKY TRAK	10054-cab	2011 ENGINE /MODEL YR 2011	110	X			10/4/2011	
PV5G33	Tractors/Loaders/Backhoes	DEERE	210LJ	2010 ENGINE /MODEL YR 2010	84.5	NA			10/10/2011	
VP3U66	Forklifts	SKY TRAK	10054-cab	2008 ENGINE /MODEL YR 2008	110	X			10/17/2011	
YD5B55	Aerial Lifts	GENIE	s-125	2008 ENGINE /MODEL YR 2008	78	NA			10/24/2011	
WG4J68	Aerial Lifts	GENIE	s-125	2008 ENGINE /MODEL YR 2008	74	NA			10/24/2011	
JY5E87	CRANE	LINK-BELT	LS218HII	2000 ENGINE /MODEL YR 2000	263	X			10/27/2011	

Equipment Identification Numbers (EINs)	Vehicle Type	Vehicle Manufacturer	Vehicle Model	Vehicle Model Year/Engine Model Year	ENGINE HP	COMPLIANCE WITH ARB	COMPLIANCE WITH ARB	COMPLIANCE WITH ARB	DATE ARRIVED ON SITE	DATE REMOVED FROM SITE
LC5T65	Aerial Lifts	GENIE	s-125	2011 ENGINE /MODEL YR 2011	73.7	NA			11/9/2011	
AC8T54	ROLLER	BOMAG	BW145D-40	2011 ENGINE /MODEL YR 2011	73	NA			11/10/2011	
UB4S45	Aerial Lifts	GENIE	s-125	2011 ENGINE /MODEL YR 2011	73.7	NA			11/10/2011	
PC5Y37	LOADER	CASE	570MXT	2011 ENGINE /MODEL YR 2011	85	NA			11/16/2011	
MM6K93	Aerial Lifts	GENIE	s-125	2008 ENGINE /MODEL YR 2008	74	NA			12/5/2011	
SR5C48	Aerial Lifts	GENIE	s-125	2008 ENGINE /MODEL YR 2008	74	NA			12/5/2011	
RG6D88	Forklifts	HYSTER	H360HD	2005 ENGINE /MODEL YR 2005	155	X			12/5/2011	
AF7U68	Aerial Lifts	JLG	1350SJP	2010 ENGINE /MODEL YR 2011	75	NA			12/6/2011	
JG6H76	crane	TEREX	RT775	2004 ENGINE /MODEL YR 2005	275	X			12/29/2011	
AT3N98	CRANE	LINK-BELT	218HSL	2008 ENGINE /MODEL YR 2008	248	X			1/26/2012	
GV9J86	Aerial Lifts	GENIE	GTH21056	2012 ENGINE /MODEL YR 2011	123	X			2/2/2012	
AD3H59	Aerial Lifts	GENIE	GTH21056	2012 ENGINE /MODEL YR 2011	123	X			2/2/2012	
<p>CERTIFICATION: All engines listed above have been maintained properly, on a schedule consistent with and turned to the engine manufactures specification.</p>										
<p>SIGNED:  Print Names: <u>Gwen Bechtel</u></p>										
<p>COMPANY: <u>Bechtel Power Corp.</u> DQOR ID: <u>12610</u> MONTH: <u>March, 2012</u></p>										





**RCEC PROJECT  
DIESEL ENGINE INVENTORY**

Condition of Certification AQ-SC5

Equipment Identification Numbers (EINs)	Type	Manufacturer	Model	Vehicle Model Year/Engine Model Year	ENGINE HP	> 100 HP COMPLIANCE WITH ARB TIER 2 ENGINE	> 100 HP COMPLIANCE WITH ARB TIER 1 ENGINE	> 100 HP COMPLIANCE WITH ARB TIER 0 ENGINE W CARB	DATE ARRIVED ON SITE	DATE REMOVED FROM SITE	Comments
TS5N93	Cranes	MANITOWOC	2250	1999 ENGINE / MODEL YR 2000	450	X			11/15/2011		Verification # CA/CLE/2009/PM3+/NOO/OF/DPF 02 and S/N #0110
GC4P67	Cranes	LIEBHERR	LTM1220	2004 ENGINE / MODEL YR 2004	536	X			3/23/2012	3/31/2012	

CERTIFICATION: All engines listed above have been maintained properly, on a schedule consistent with and turned to the engine manufactures specification.

SIGNED: *M. Manfredda* Print Names: Marc Manfredda

COMPANY: Bigge Crane and Rigging Company, DOORs No. 944 MONTH: March, 2012



**RCEC PROJECT  
DIESEL ENGINE INVENTORY**

Condition of Certification AQ-SC5

Equipment Identification Numbers (EINs)	Type	Manufacturer	Model	Vehicle Model Year/Engine Model Year	ENGINE HP	> 100 HP COMPLIANCE WITH ARB TIER 2 ENGINE	> 100 HP COMPLIANCE WITH ARB TIER 1 ENGINE	> 100 HP COMPLIANCE WITH ARB TIER 0 ENGINE W CARB	DATE ARRIVED ON SITE	DATE REMOVED FROM SITE	Comments
KY9XB9	CRANE	GROVE	RT650E	2007 ENGINE / MODEL YR 2007	173	x			1/3/2012		
AG4Y69	CRANE	LINKBELT	RTC-80	2010 ENGINE / MODEL YR 2010	164	x			1/9/2012	3/23/2012	

CERTIFICATION: All engines listed above have been maintained properly, on a schedule consistent with and turned to the engine manufactures specification.

SIGNED:  Print Names: Jordan Zehr

COMPANY: Graver Inc. ( tank installer) MONTH: March, 2012



RCEC PROJECT  
DIESEL ENGINE INVENTORY

Condition of Certification AQ-SC5

Equipment Identification Numbers (EINs)	Vehicle Type	Vehicle Manufacturer	Vehicle Model	Vehicle Model Year/Engine Model Year	ENGINE HP	> 100 HP COMPLIANCE WITH ARB TIER 2 ENGINE	> 100 HP COMPLIANCE WITH ARB TIER 1 ENGINE	> 100 HP COMPLIANCE WITH ARB TIER 0 ENGINE W CARB	DATE ARRIVED ON SITE	DATE REMOVED FROM SITE
KW9R66	Excavator	BOBCAT	430	2007 ENGINE /MODEL YR 2007	42	NA			12/19/2011	
UP4896	Skid Steer Loaders	BOBCAT	S300	2000 ENGINE /MODEL YR 2007	81	NA			12/19/2011	
KA3D89	Tractors/Loaders/Backhoes	CATERPILLAR	AA 450E	2007 ENGINE /MODEL YR 2008	115	X			1/26/2012	
SJ6W79	Forklifts	GEHL	DL10L-55	2007 ENGINE /MODEL YR 2006	115	x			2/28/2012	
MJ8J46	Aerial Lifts	JLG	50A- SERIS	2005 ENGINE /MODEL YR 2006	48	NA			3/15/2012	
RR6A76	Forklifts	JLG	10054-IT4	2011 ENGINE /MODEL YR 2012	110	X			3/15/2012	
ST4D49	Aerial Lifts	JLG	450AJ_SERIES_II	2006 ENGINE /MODEL YR 2005	48	NA			3/15/2012	

CERTIFICATION: All engines listed above have been maintained properly, on a schedule consistent with and turned to the engine manufactures specification.

SIGNED: *Todd Loup* Print Names: Todd Loup

COMPANY: Beta Inc. MONTH: March, 2012

**CONDITION OF CERTIFICATION  
WORKER SAFETY-3**

**Russell City Energy Center  
Monthly Compliance Report #20  
March 2012**

## Russell City Energy Center Monthly Compliance Reports (MCRs)

### Worker Safety – 3

March 1 – March 29, 2012

In March, the project experienced nine first aid cases with ZERO recordable cases. There were two non injury incidents and one significant Near Miss. The project has also surpassed one hundred fourteen days without a recordable event.

The near miss involved the switchyard contractor utilizing a ditch excavator to expose an energized electrical cord that was feeding a construction trailer.

Following are the activities for ESH during the month:

- The Make A Wish Incentive Program funded a second wish for achieving another 30 days without a recordable, totaling 90 days.
- Personal donations from the on site team exceed \$6,168.50
- The Project Incentive Program is continuing and rewards are being issued.
- The Safety Champion Team is fully engaged working with their respective crafts and Superintendents to support safe work activities within their discipline.
- Hexavalent Chromium Training was implemented to support the work activities that involve metals containing chrome, along with baseline medical evaluations.
- The Safety Champions are continuing to complete Safety Absolute observations.
- The PBS Team dropped to five members due to promotions and completed 55 observations for March, down from 67 for February. Training for new members is scheduled.
- Dedicated ES&H oversight for SPIG as they erect the Cooling Tower.
- The Safety Absolute observations are at 86 for the month of March, down from 92 in February.
- The Hayward Fire Department will attend our next High Angle Rescue exercise if possible







### COURSE ROSTER

DATE: 3/12/12		COURSE TITLE: Environmental New Hire Training Orientation & Worker Environmental Awareness Program (WEAP)	
COURSE ID: ESH		COURSE TITLE: Environmental New Hire Training Orientation & Worker Environmental Awareness Program (WEAP)	
INSTRUCTOR NAME(S): Gwen Bechtel, Russ Ford, Melvin Anderson			
LOCATION WHERE GIVEN: <input checked="" type="checkbox"/> Bechtel <input type="checkbox"/> Other (specify)			
COURSE COMPLETION DATE:		COURSE LENGTH:	
PRINT NAME		SIGNATURE	BECHTEL EMPLOYEE NO.
LAST	FIRST		
Stillman	Michael	<i>Michael J. Stillman</i>	
GUARDADO	MARK	<i>Mark J. Guardado</i>	
<del>Catderon</del>	<del>Luis</del>	<del><i>Luis Catderon</i></del>	
GOLDEN	Theresa	<i>Theresa Golden</i>	
SCOTT	Samuel	<i>Samuel Scott</i>	
Wells	Gordon	<i>Gordon Wells</i>	
Sikes	Tim	<i>Tim Sikes</i>	
Canyon	John	<i>John Canyon</i>	
EILMOPE	LEEVON	<i>Leevon Eilmope</i>	
Russell	Harry	<i>Harry Russell</i>	
BAKER	JESSE	<i>Jesse Baker</i>	
Simonds	DAW	<i>Daw Simonds</i>	
INSTRUCTOR'S SIGNATURE: <i>[Signature]</i>		DATE: 3/12/12	
** By signing this attendee acknowledged receiving training and understands the Condition of Certification set forth in BIO-5, CUL-4, & PAL-3			



## COURSE ROSTER

DATE: 3/19/2012				
COURSE ID: ESH		COURSE TITLE: Environmental New Hire Training Orientation & Worker Environmental Awareness Program (WEAP)		
INSTRUCTOR NAME(S): Gwen Bechtel, Russ Ford, Melvin Anderson				
LOCATION WHERE GIVEN: <input checked="" type="checkbox"/> Bechtel <input type="checkbox"/> Other (specify)				
COURSE COMPLETION DATE:		COURSE LENGTH:		
PRINT NAME		SIGNATURE	BECHTEL EMPLOYEE NO.	CRAFT
LAST	FIRST			
ALVES	Scotty			
BURTZ	CASEY			
GRIFFIN	JASON			
VEGA	JUSTIN			
MARASPINI	JESUS			
WHITE	DOMINIC			
VASQUEZ	Camaron			
Russell	Mariano		101040	Welder
	Harry			
INSTRUCTOR'S SIGNATURE:		DATE: March 19, 2012		
** By signing this attendee acknowledged receiving training and understands the Condition of Certification set forth in BIO-5, CUL-4, & PAL-3				



### COURSE ROSTER

DATE: 3/26/2012				
COURSE ID:		COURSE TITLE: Environmental New Hire Training Orientation & Worker Environmental Awareness Program (WEAP)		
INSTRUCTOR NAME(S): Gwen Bechtel, Russ Ford, Melvin Anderson				
LOCATION WHERE GIVEN: <input checked="" type="checkbox"/> Bechtel <input type="checkbox"/> Other (specify)				
COURSE COMPLETION DATE:		COURSE LENGTH:		
PRINT NAME		SIGNATURE	BECHTEL EMPLOYEE NO.	CRAFT
LAST	FIRST			
LOUP	Todd Loup	Todd Loup		SITE MANAGER
GAYLOR	RONNY	Ronny Gaylor		ELECT
Dehart	Marcus	Marcus Dehart		ELECT
MOORE	STEPHEN	Stephen Moore		
DORCHE	MO	Mo Dorche		Carpenter
Kellogg	BOB	Robert Kellogg		elect
Pulido	Fabian	Fabian Pulido		Carpenter
Gonzalez	Ramon	Ramon Gonzalez		Carpenter
Salcido	Oscar	Oscar Salcido		Carpenter
Whitehouse	TIM	Mr. Whitehouse		ELECT
	Juan	Rodriguez		
Rodriguez	Juan	Juan Rodriguez		Carpenter
Munoz	Horacio	Horacio Munoz		Carpenter
Portillo	Ruben	Ruben P.		carpenter
Romero	Anthony	Anthony Romero		Carpenter
Miller	JOSEPH	Joseph Miller		Electrician
Yazari	Horacio	Horacio Yazari		BAM
INSTRUCTOR'S SIGNATURE:		DATE: March 26, 2012		
** By signing this attendee acknowledged receiving training and understands the Condition of Certification set forth in BIO-5, CUL-4, & PAL-3				



**RCEC PIPELINE AND METER STATION PROJECT PG&E SAFETY  
REPORT FOR PERIOD MARCH 1 THROUGH MARCH 31, 2012**

**1.) Records of all employees Safety trained this month.**

**A. See attached list.**

**2.) Summary report of Safety management actions and  
Safety related incidents that occurred during the month.**

**A. No First Aids**

**B. No recordable incidents**

**C. No loss time**

**D. Near Misses – Total 3**

**a. There was incident on March 2<sup>nd</sup>, 2012 on Depot Road at FS 27+08.61. ARB dug into an existing ¾” gas service that resulted in a gas leak at the service tee connection to a 6-inch distribution gas main. ARB immediately called and notified the local PG&E Gas Division personnel and secured the area. Upon arrival of the local PG&E local response team, ARB actively provided support as directed by PG&E.**

**b. There was another incident on March 7<sup>th</sup>. ARB potholing crew dug into and broke an unmarked 1-inch PVC water service on Depot Road. ARB immediately notified the City of Hayward inspector and local city Water Department. The City water department crew responded and with ARB support made the repair.**

**c. The final incident occurred on Depot Road at FS 14+73.61. ARB mainline excavation crew dug into a 4-inch clay pipe sewer lateral. City of Hayward Inspector was notified, and ARB made a temporary repair. The final permanent and City approved repair was made by ARB the following day.**

**E. Safety Actions.**

- **Update ARB Emergency Action Plan to include Fire Department and 911 calls for all Gas leaks.**
- **Update our Emergency contact list and include a Safety communication diagram.**
- **ARB assigned full time onsite Safety representative.**
- **Assigned a full time OQ qualified inspector to stand by during trench and pothole excavations.**
- **Daily Safety Tailboards**

**3.) Reports of any continuing or unresolved situations and incidents that may pose danger to life or health.**

- **None**

**4.) Report of accidents and injuries that occurred during the month for all personnel associated with construction on the pipeline (PG&E) and contractor.**

- **None**

PG&E General Construction WEAP and Safety training list for the month of March

By John Robinson  
Field Engineer

2) Names of safety trained employees

Brian D'Andrea  
Thomas Gotcher  
Gregory Haggard  
Alfred Hernandez  
Shane Keyser  
Scott Poulsen  
Jeremy Slade  
George Unsworth  
Torraine Wakefield  
Juan Campos  
Gary Clark  
William Ray

9) Employees names that attended environmental awareness training during the month

Brian D'Andrea  
Thomas Gotcher  
Gregory Haggard  
Alfred Hernandez  
Shane Keyser  
Scott Poulsen  
Jeremy Slade  
George Unsworth  
Torraine Wakefield  
Juan Campos  
Gary Clark  
William Ray



# RCEC WEAP TRAINING

ORDER NO.#	PIPELINE- 30603564 and METER STATION -30801391	DATE:	
SPEC. NO.#		START DATE :	1/09/2012 const. 1/30/2012
		END DATE :	
JOB DESCRIPTION :	CALPINE RUSSELL CITY ENERGY CENTER PIPELINE AND METER STATION		
JOB LOCATION :	DEPOT ROAD, HAYWARD CA.		
MEETING LOCATION:	HAYWARD		
NAME	DATE	COMPANY	SIGNATURE
JIM WALTZ	2/6/2012	CANUS	<i>Jim Waltz</i>
CHARLES MASTERS	2/8/2012	CANUS	<i>Charles Masters</i>
KEVIN VICKROY	3/12/12	CANUS	<i>Kevin Vickroy</i>
RUDY COTA	<del>3/12/12</del>	CANUS	
<i>Charles Reyes</i>	3/12/12	PSC	<i>Charles Reyes</i>
<i>Les Hansen</i>	3-12-12	PSC	<i>Les Hansen</i>
<i>Kris Grunstadt</i>	3/12/12	CCSI	<i>Kris Grunstadt</i>
<i>Arnaldo Olivares</i>	3-12-12	PSC	<i>Arnaldo Olivares</i>
<i>Alec Hansen</i>	3-12-12	PSC	<i>Alec Hansen</i>
<i>Joe Vojvoda</i>	3-12-12	CCSI	<i>Joe Vojvoda</i>
<i>Ryan Blewett</i>	3-12-12	CCSI	<i>Ryan Blewett</i>
<i>Pat Palouse</i>	3-12-12	PSC	<i>Pat Palouse</i>
<i>Rich Saldan</i>	3-15-12	CANUS	<i>Rich Saldan</i>
RUDY COTA	3-19-12	CANUS	<i>Rudy Cota</i>

**CONDITION OF CERTIFICATION  
BIO-2**

**Russell City Energy Center  
Monthly Compliance Report #20  
March 2012**

**Russell City Energy Center**

**MONTHLY BIOLOGICAL COMPLIANCE REPORT**

**March, 2012**

**BIO-2:** The Designated Biologist shall perform the following during any site (or related facilities) mobilization, ground disturbance, grading, construction, operation, and closure activities:

1. Advise the project owner's Construction/Operation Manager, supervising construction and operations engineer on the implementation of the biological resources conditions of certification;
2. Be available to supervise or conduct mitigation, monitoring, and other biological resources compliance efforts, particularly in areas requiring avoidance or containing sensitive biological resources, such as wetlands and special status species or their habitat;
3. Clearly mark sensitive biological resource areas and inspect these areas at appropriate intervals for compliance with regulatory terms and conditions;
4. Inspect active construction areas where animals may have become trapped prior to construction commencing each day. Inspect for the installation of structures that prevent entrapment or allow escape during periods of construction inactivity at the end of the construction day. Periodically inspect areas with high vehicle activity (parking lots) for animals in harms way. This inspection may be carried out by a person with qualifications in biological resources who is identified and selected by the Designated Biologist;
5. Notify the project owner and the CPM of any non-compliance with any biological resources condition of certification; and
6. Respond directly to inquiries of the CPM regarding biological resource issues.

**Verification:** The Designated Biologist shall maintain written records of the tasks described above, and summaries of these records shall be submitted in the Monthly Compliance Reports.

During project operation, the Designated Biologist shall submit record summaries in the Annual Compliance Report.

**Biological Resource Monitoring.** Extensive construction activity occurred throughout the project site and on all of the off-site staging and lay down areas throughout the month of March. Construction was all associated with the building of the power plant structure and related facilities. Monthly monitoring was completed by CH2M HILL biologists Russell Huddleston or Holly Barbare on March 9, 16, 23 and 29, 2012. Wildlife observed during the month of March was limited to various bird species observed on and around the site or flying overhead. Most bird species on site are found in or around the storm water retention basin or along the northern and western fence lines of the project site. Abundant waterfowl is also present in the canal near the southwestern corner of the site. No nesting activity was observed and no dead or injured animals were found on the site or on any of the off-site lay down areas. New species observed included a yellow rumped warbler along the northern fence line of the project site and a collared dove along the eastern fence line of the project site. A complete list of wildlife species observed to date is included in Table A.

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**Table A****Cumulative Wildlife Species Observed in or Near the Russell City Energy Center**

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<b>Common Name</b>	<b>Scientific Name</b>	<b>Comments</b>
<b>BIRDS</b>		
American coot	<i>Fulica americana</i>	Common around project site – two dead individuals observed on site
American crow	<i>Corvus brachyrhynchos</i>	Common in and around project areas
American white pelican	<i>Pelecanus erythrorhynchos</i>	Observed flying overhead southwest of site
Anna’s hummingbird	<i>Calypte anna</i>	Observed along fences at the Runnels and Chess laydown areas
Barn swallow	<i>Hirundo rustica</i>	One individual observed at project site
Black phoebe	<i>Sayornis nigricans</i>	Observed perched on fence at Laydown Area 2 and around project site
Black-neck stilt	<i>Himantopus mexicanus</i>	Observed in open stormwater channel west of RCEC site
Brewer’s blackbird	<i>Euphagus cyanocephalus</i>	Common along western fence line of project site.
Brown-headed cowbird	<i>Molothrus ater</i>	One individual observed along fence at Chess parcel.
Bushtit	<i>Psaltirparus minimus</i>	Observed in fennel at Laydown Area 3
California gull	<i>Larus californicus</i>	Common in and around project areas
California towhee	<i>Pipilo crissalis</i>	Observed on site and in Chess laydown area.
Canada goose	<i>Branta canadensis</i>	Observed in open stormwater channel west of RCEC site
Cinnamon teal	<i>Anas cyanoptera</i>	Observed in canal to southwest of project site
Cliff swallow	<i>Petrochelidon pyrrhonota</i>	Laydown area 1 and around project site
Cormorant	<i>Phalacrocorax</i> sp.	Few individuals observed in flight west of project site
Collared dove	<i>Streptopelia decaocto</i>	One individual observed along eastern fence line of project site
Cooper’s hawk	<i>Accipiter cooperii</i>	One individual observed flying overhead.
European starling	<i>Sturnus vulgaris</i>	Observed on transmission tower at Laydown Area 3
Great egret	<i>Casmerodius albus</i>	Flying near sediment ponds west of

**Table A****Cumulative Wildlife Species Observed in or Near the Russell City Energy Center**

Common Name	Scientific Name	Comments
		Depot Road
Gulls	<i>Larus</i> spp.	Common on and around the project site.
House finch	<i>Carpodacus mexicanus</i>	Common in ruderal vegetation in and around project area
Killdeer	<i>Charadrius vociferus</i>	Observed in project area
Mallard	<i>Anas platyrhynchos</i>	Observed in open stormwater channel west of RCEC site
Mourning dove	<i>Zenaida macroura</i>	Common on and around project site
Northern mockingbird	<i>Mimus polyglottos</i>	Observed on fence at Laydown Area 3
Northern shoveler	<i>Anas clypeata</i>	Observed in off-site drainage near southwestern corner of the site.
Raven	<i>Corvus corax</i>	Observed on project site
Red-winged blackbird	<i>Agelaius phoeniceus</i>	Few individuals observed west of project site
Ring-billed gull	<i>Larus delawarensis</i>	Common in and around project areas
Rock dove	<i>Columba livia</i>	Common in and around project areas
Snowy egret	<i>Egretta thula</i>	One individual observed west of project site
Song sparrow	<i>Melospiza melodia</i>	Common in ruderal vegetation in and around project area
Turkey vulture	<i>Cathartes aura</i>	One observed overhead south of Runnels parcel
Western gull	<i>Larus occidentalis</i>	Common in and around project site.
Western sandpiper	<i>Calidris mauri</i>	Several individuals observed around edge of the stormwater detention pond
Western tanager	<i>Piranga ludoviciana</i>	Observed on fence at Laydown Area 3
White crowned sparrow	<i>Zonotrichia leucophrys</i>	Common along fences west side of project site
Yellow legs	<i>Tringa melanoleuca</i>	One individual observed around edge of the stormwater detention pond
Yellow-rumped warbler	<i>Setophaga coronata</i>	One individual observed along northern fence line near storm water retention pond

## MAMMALS

Black-tailed Jackrabbit	<i>Lepus californicus</i>	Two individuals observed on project site. Relocated.
California ground squirrel	<i>Otospermophilus beecheyi</i>	One individual observed adjacent to project site
Gray fox	<i>Urocyon cinereoargenteus</i>	One individual observed near the storm water basin in the northwest corner of the project site during weekend work in January 2012.
Mice/Voles	<i>Microtus</i> spp.	Few individuals noted on site during clearing and grading activities
Norway rat	<i>Rattus norvegicus</i>	One individual observed on project site
Raccoon	<i>Procyon lotor</i>	Tracks observed only along east fence line.
Striped skunk	<i>Mephitis mephitis</i>	Two dead individuals observed on site. Several live skunks have been captured and removed from project site by USFWS.

## REPTILES

Gopher snake	<i>Pituophis catenifer catenifer</i>	Observed caught in erosion mat netting around sediment pond - extricated and removed off site.
Western fence lizard	<i>Sceloporus occidentalis</i>	Observed on site by Cultural Resource Monitors

**CONDITION OF CERTIFICATION  
SOIL & WATER-1**

**Russell City Energy Center  
Monthly Compliance Report #20  
March 2012**

# Russell City Energy Center Monthly Compliance Reports (MCRs)

## Soil & Water – 1

March 1 – March 31, 2012

### Drainage, Erosion and Sediment Control Measures

Maintenance of erosion control measure increased during March due to weather conditions. Heavy rain showers impacted the site during the second half of the month. Rain Event Action Plan (REAP) and Pre and Post SWPPP Inspection were conducted throughout the month in accordance with the General Permit. Efforts were focused on Construction Sediment Basin # 1 and drainage swale. Additional BMP's were added to Construction Sediment Basin # 1 to enhance storm water retention time to reduce sediment and aid in settling. The following actions were implemented:

- Construction Sediment Basin # 1 drainage swale was lined with geo-textile fabric Type R along with Terra Tub filters and additional straw wattles velocity checks dams.
- Access roadway BMP's were replaced and additional straw wattles were placed along the perimeter fence along Depot Road.

Post rain event storm water inspection on March 20, 2012 observed the initial discharge from the Russell City Energy Center (RCEC) Construction Sediment Basin # 1 outlet (sample point #1) to Alameda County flood canal for the 2011/2012 rainy season. Water quality sampling and analysis as required by the General Permit (GP) Order (2009-0009-DWQ) and Stormwater Pollution Prevention Plan (SWPPP) was performed for compliance with the Risk Level II Numeric Action Level (NAL) for pH and turbidity. Following additional rain events, discharge occurred for the second time on March 28, 2012.

Water quality sampling and analysis was performed on March 20<sup>th</sup> through 23<sup>rd</sup> and March 28<sup>th</sup> through April 2<sup>nd</sup>. All samples except those taken on March 20<sup>th</sup> and March 30<sup>th</sup> were within the NALs. On March 20 and 30 the NAL for Turbidity (250 NTU) was exceeded. The following actions were taken:

- Increased monitoring to ensure that dewatering flow rates are appropriate for volume of water transferred to prevent erosion due to velocity
- Conducted a stand down with Bechtel staff and craft performing on site dewatering to ensure all procedures are being followed.
- Reduced the number of transfer sumps used in managing storm water throughout the construction site.
- Incorporated a 20,000 gallon Rain for Rent baker tank in dewatering activities to provide buffering capacity for the pond and to aid in settling any sediment prior to transferring to pond via pump and geo-fabrics filter bags located in drainage swale.
- Incorporated a large sand bag check dam to increase residence time in pond to allow for additional settling and aid in sediment capture during dewatering.
- Added Terra Tubes in discharge pipe to aid in filtration.
- Reworked access road along basin to prevent sheet flow in the direction of sediment basin

Water Quality Sampling Logs and Non-Compliance Evaluation Reports are attached

## Russell City Energy Center Monthly Compliance Reports (MCRs)

Ongoing management of groundwater dewatering occurred throughout the month of March in accordance with the discharge permit (Permit No. 11-672711.01-5GR). Groundwater continues to be withdrawn using small portable diesel engine driven centrifugal pumps and transferred into a pretreatment system before discharging off site.

Ongoing construction fugitive dust controls included daily wet street sweeper on paved roads, two water tanker trucks, tire wash station and covering of inactive stockpiles.

### Site Conditions and Weather

Seasonal temperatures were noted throughout the month of February:

- Monthly Weather: Rainfall/precipitation in March 2012 was above normal at 3.93" inches, which is a +1.30" departure from norm..
- Temperatures for the month of March 2012 averaged 52.9°, a departure of -2.6° from normal (Average. temperature established based on NOAA weather station reporting at the Hayward Regional Airport)

### Precipitation Events:

- 3/1 = 0.15"
- 3/6 = Trace
- 3/12 = Trace
- 3/13 = 0.34"
- 3/14 = .70"
- 3/15 = Trace
- 3.16 = 0.69"
- 3/24 = 0.07"
- 3/25 = 0.28"
- 3/27 = 0.63"
- 3/28 = 0.04"
- 3/31 = 0.42"



Construction Sediment Basin # 1

Construction Sediment Basin # 1 drainage swale

**CONDITION OF CERTIFICATION  
CUL-2**

**Russell City Energy Center  
Monthly Compliance Report #20  
March 2012**

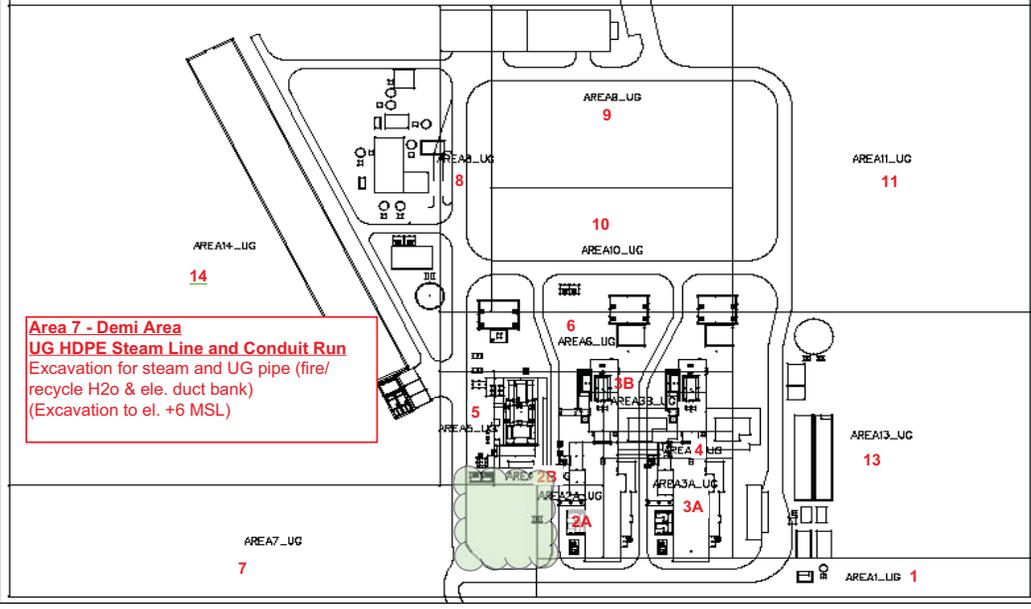
## **RCEC - Cultural Resource Monitor Staffing 3/23/2012**

**Weeks of April 2 & 9, 2012**

### **Area 7 – Demi Area**

Excavation for steam and UG pipe (fire/ recycle H2o & ele. duct bank)  
(Excavation to el. +6 MSL)

Weeks of April 2 and April 9, 2012  
Active Work Areas



**CONDITION OF CERTIFICATION  
CUL-4**

**Russell City Energy Center  
Monthly Compliance Report #20  
March 2012**







### COURSE ROSTER

DATE: 3/12/12

COURSE ID: ESH

COURSE TITLE:  
Environmental New Hire Training Orientation &  
Worker Environmental Awareness Program (WEAP)

INSTRUCTOR NAME(S): Gwen Bechtel, Russ Ford, Melvin Anderson

LOCATION WHERE GIVEN:  Bechtel  Other (specify)

COURSE COMPLETION DATE: COURSE LENGTH:

PRINT NAME		SIGNATURE	BECHTEL EMPLOYEE NO.
LAST	FIRST		
Stillman	Michael	<i>Michael J. Stillman</i>	
GUARDADO	MARK	<i>Mark A. Guardado</i>	
<del>CARDERON</del>	<del>Luis</del>	<del><i>Luis Carderon</i></del>	
GOLDEN	Theresa	<i>Theresa Golden</i>	
SCOTT	Samuel	<i>Samuel Scott</i>	
Wells	Gordon	<i>Gordon Wells</i>	
Sikes	Tim	<i>Tim Sikes</i>	
Canyon	John	<i>John Canyon</i>	
EILMOTT	LEEVON	<i>Leevon Eilmott</i>	
Russell	Harry	<i>Harry Russell</i>	
BAKER	JESSE	<i>Jesse Baker</i>	
Simonds	DAW	<i>Daw Simonds</i>	
INSTRUCTOR'S SIGNATURE: <i>[Signature]</i>		DATE: 3/12/12	

\*\* By signing this attendee acknowledged receiving training and understands the Condition of Certification set forth in BIO-5, CUL-4, & PAL-3



# COURSE ROSTER

DATE: 3/19/2012				
COURSE ID: ESH		COURSE TITLE: Environmental New Hire Training Orientation & Worker Environmental Awareness Program (WEAP)		
INSTRUCTOR NAME(S): Gwen Bechtel, Russ Ford, Melvin Anderson				
LOCATION WHERE GIVEN: <input checked="" type="checkbox"/> Bechtel <input type="checkbox"/> Other (specify)				
COURSE COMPLETION DATE:		COURSE LENGTH:		
PRINT NAME		SIGNATURE	BECHTEL EMPLOYEE NO.	CRAFT
LAST	FIRST			
ALVES	Scotty			
BURTZ	CASEY			
GRIFFIN	JASON			
VEGA	JUSTIN			
MARASPINI	JESUS			
WHITE	DOMINIC			
VASQUEZ	Cameroon			
Russell	Mariano		101040	Welder
	Harry			
INSTRUCTOR'S SIGNATURE:		DATE: March 19, 2012		
** By signing this attendee acknowledged receiving training and understands the Condition of Certification set forth in BIO-5, CUL-4, & PAL-3				



### COURSE ROSTER

DATE: 3/26/2012

COURSE ID: \_\_\_\_\_ COURSE TITLE: Environmental New Hire Training Orientation & Worker Environmental Awareness Program (WEAP)

INSTRUCTOR NAME(S): Gwen Bechtel, Russ Ford, Melvin Anderson

LOCATION WHERE GIVEN:  Bechtel  Other (specify) \_\_\_\_\_

COURSE COMPLETION DATE: \_\_\_\_\_ COURSE LENGTH: \_\_\_\_\_

PRINT NAME		SIGNATURE	BECHTEL EMPLOYEE NO.	CRAFT
LAST	FIRST			
LOUP	Todd Loup	Todd Loup		SITE MANAGER
GAYLOR	RONNY	Ronny Gaylor		ELECT
Dehart	Marcus	Marcus Dehart		ELECT
MOORE	STEPHEN	Stephen Moore		
DORCHE	MO	Mo Dorche		Carpenter
Kellogg	BOB	Robert Kellogg		elect
Pulido	Fabian	Fabian Pulido		Carpenter
Gonzalez	Ramon	Ramon Gonzalez		Carpenter
Salcido	Oscar	Oscar Salcido		Carpenter
Whitehouse	TIM	Mr. Whitehouse		ELECT
	Juan	Rodriguez		
Rodriguez	Juan	Juan Rodriguez		Carpenter
Munoz	Horacio	Horacio Munoz		Carpenter
Portillo	Ruben	Ruben P.		carpenter
Romero	Anthony	Anthony Romero		Carpenter
Miller	JOSEPH	Joseph Miller		Electrician
Yazari	Lorado	Lorado Yazari		BAM
INSTRUCTOR'S SIGNATURE:		DATE: March 26, 2012		

\*\* By signing this attendee acknowledged receiving training and understands the Condition of Certification set forth in BIO-5, CUL-4, & PAL-3



**CONDITION OF CERTIFICATION  
CUL-6**

**Russell City Energy Center  
Monthly Compliance Report #20  
March 2012**

## Weekly Report of Cultural Resources Monitoring Activities for the Russell City Energy Center Project; COC CUL-6

**Prepared For:** Karen Parker, RCEC Project Manager  
**Prepared By:** Clint Helton/RCEC CRS  
**Reporting For Period:** March 1 to March 3, 2012

This report covers cultural resources monitoring activities for construction of the Russell City Energy Center project for the week of March 1 to March 3, 2012, as required by Condition of Certification CUL-6.

### Personnel Active in Cultural Monitoring This Period

Dimitra Zalarvis-Chase and Michelle Kaye participated as CRMs for this week.

### Monitoring and Associated Activities This Period

Monitoring of ground disturbance included electrical ground cable excavations in the switch yard with KGC (Kindness General Contractors) Inc and Wilson Bros Trenching, Inc along with excavation along leaking pre-existing pipe in the HRSGs area with Bechtel.

The various layers of soil observed during this week's pier excavations included a light brown top soil throughout the excavated area, a dark brown grey silty clay soil observed at 3 feet and a light brown clay soil observed at 5 feet below ground surface. The various layers of soil observed during this week's trenching with Bechtel included lime-treated backfill and AB (aggregate base) fill.

### *PG&E Gas Pipe Excavations*

Monitoring of ground disturbance included linear pipeline trenching and bell hole excavations with subcontractor ARB, Inc. as well as three unanticipated holes with PG&E and ARB, Inc. Excavations are currently at Depot Road and Connecticut Street. Soils observed during excavation included aggregate base (AB) fill which was light to medium brown sandy silt intermixed with white granite pebble backfill, dark brown grey/blue silty clay observed at varying depths between 3 to 6 feet along with yellow silty sand intermixed throughout the trench's length.

### Cultural Resources Discoveries This Period

None.

### Anticipated Changes in the Next Period

Remaining excavations scheduled for next week include conduit excavation and electrical ground cable excavation with KGC in the switch yard area. Bechtel has stated smaller excavations are scheduled for next week as well as continuation of excavation of a water service line next to the ZLD area in Area 14. The CRM will remain on site to continue monitoring and to respond to discoveries if they occur.

### *PG&E Gas Pipe Excavations*

Excavation activity scheduled for next week includes continued pipeline trenching along

Depot Road going in a west to east direction with subcontractor ARB, Inc. The CRM will remain on site to continue monitoring and to respond to discoveries if they occur.

Comments, Issues or Concerns

None.

## Weekly Report of Cultural Resources Monitoring Activities for the Russell City Energy Center Project; COC CUL-6

**Prepared For:** Karen Parker, RCEC Project Manager  
**Prepared By:** Clint Helton/RCEC CRS  
**Reporting For Period:** March 4 to March 10, 2012

This report covers cultural resources monitoring activities for construction of the Russell City Energy Center project for the week of March 4 to March 10, 2012, as required by Condition of Certification CUL-6.

### Personnel Active in Cultural Monitoring This Period

Sonia Sifuentes and Michelle Kaye participated as CRMs for this week.

### Monitoring and Associated Activities This Period

Monitoring of ground disturbance included excavation for electrical ground cable in the switch yard area with Wilson Bros Trenching, Inc and KGC, excavation of manholes and conduit trenches with KGC along southern and eastern portions of the switch yard area as well as excavation of sump and a pad in SW corner of STG in Area 14, excavation around pre-existing conduits, excavation for access to weld pipe in mid-standard in Laydown 3, excavation for pre-existing service pipe line in Area 3A, excavation of a sludge tank foundation near the RWF in Area 13. In addition, excavations were spot checked around the circulation water risers near ZLD area, pipe location excavations in Area 4 and the HRSGs and widening edge around Chlorine Contact Basin in Area 13 with Bechtel. The various layers of soil observed during this week's pier excavations included a light brown top soil throughout the excavated area, highly fissile yellow rock layer, a green-blue tinted hardened sandy soil, a dark brown grey silty clay soil observed at 3 feet and a light brown clay soil observed at 5 feet below surface. The various layers of soil observed during this week's excavations with Bechtel included lime-treated backfill, AB (aggregate base) fill, layer of a black/brown silt soil, a highly fissile yellow rock layer and dark brown grey silty clay soil.

### *PG&E Gas Pipe Excavations*

Monitoring of ground disturbance included linear pipeline trenching and bell holes excavations with subcontractor ARB, Inc. as well as excavation at local business building along Depot Road for continued work with ruptured gas line that occurred late last week with PG&E. Excavations are currently at Depot Road and Connecticut Street/ Eichler Streets. Soils observed during excavation included aggregate base (AB) fill which was light to medium brown to yellow-brown sandy-silt, a light brown silty sand layer and dark brown grey/blue silty clay observed at varying depths between 3 to 6 feet.

### Cultural Resources Discoveries This Period

None.

### Anticipated Changes in the Next Period

Remaining excavations scheduled for next week include conduit excavation and electrical

ground cable excavation with KGC in the switch yard area. Bechtel has stated smaller excavations are scheduled for next week as well as continuation of excavation of water service line next to the ZLD area in Area 14. The CRM will remain on site to continue monitoring and to respond to discoveries if they occur.

***PG&E Gas Pipe Excavations***

Excavation activity scheduled for next week includes continued pipeline trenching along Depot Road going in a west to east direction with subcontractor ARB, Inc. The CRM will remain on site to continue monitoring and to respond to discoveries if they occur.

**Comments, Issues or Concerns**

None

## Weekly Report of Cultural Resources Monitoring Activities for the Russell City Energy Center Project; COC CUL-6

**Prepared For:** Karen Parker, RCEC Project Manager  
**Prepared By:** Clint Helton/RCEC CRS  
**Reporting For Period:** March 11 to March 17, 2012

This report covers cultural resources monitoring activities for construction of the Russell City Energy Center project for the week of March 11 to March 17, 2012, as required by Condition of Certification CUL-6.

### Personnel Active in Cultural Monitoring This Period

Sonia Sifuentes and Michelle Kaye participated as CRMs for this week.

### Monitoring and Associated Activities This Period

Monitoring of ground disturbance included excavation for electrical ground cable in the switch yard area with Wilson Bros Trenching, Inc and KGC (Kindness General Contractors), conduit excavation in the southeast corner of the switch yard with KGC, as well as excavation for water service line next to ZLD/Cooling tower in Area 14 with Bechtel. In addition, monitoring activities included spot checking reconnaissance work for previously laid pipes in Area 14 and excavation around a pre-existing electrical box on the outskirts of the switch yard area with Bechtel. The various layers of soil observed during this week's pier excavations included a light brown top soil throughout the excavated area, a dark brown grey silty clay soil observed at 3 feet and a light brown clay soil observed at 5 feet below surface. The various layers of soil observed during this week's trenching with Bechtel included lime-treated backfill, AB (aggregate base) fill and dark brown grey silty clay soil observed at about a 4-foot depth.

### *PG&E Gas Pipe Excavations*

Monitoring of ground disturbance included linear pipeline trenching and bell hole excavations with subcontractor ARB, Inc. as well as excavation at a local business building along Depot Road for continued work with a ruptured gas line that occurred late last week with PG&E. Excavations are currently near the intersection of Depot Road and Eichler Street. Soils observed during excavation included aggregate base (AB) fill which is light to medium to light brown silty-sand with yellow rocks and granite pebble inclusions, a yellow-grey sand fill layer, dark brown grey/blue silty clay observed at varying depths between 3 to 6 feet and a pale yellow-brown clay loam observed sporadically at the bottom of the trenches.

### Cultural Resources Discoveries This Period

None.

### Anticipated Changes in the Next Period

Remaining excavations scheduled for next week include conduit excavation and electrical ground cable excavation with KGC in the switch yard area. Bechtel has stated smaller excavations are scheduled for next week as well as completion of excavation of a water

service line next to the ZLD area in Area 14. This is the last of the major underground pipe excavation slated for Bechtel. The CRM will remain on site to continue monitoring and to respond to discoveries if they occur.

***PG&E Gas Pipe Excavations***

Excavation activity scheduled for next week includes continued pipeline trenching along Depot Road going in a west to east direction with subcontractor ARB, Inc. The CRM will remain on site to continue monitoring and to respond to discoveries if they occur.

**Comments, Issues or Concerns**

None

## Weekly Report of Cultural Resources Monitoring Activities for the Russell City Energy Center Project; COC CUL-6

**Prepared For:** Karen Parker, RCEC Project Manager  
**Prepared By:** Clint Helton/RCEC CRS  
**Reporting For Period:** March 18 to March 24, 2012

This report covers cultural resources monitoring activities for construction of the Russell City Energy Center project for the week of March 18 to March 24, 2012, as required by Condition of Certification CUL-6.

### Personnel Active in Cultural Monitoring This Period

Sonia Sifuentes and Michelle Kaye participated as CRMs for this week.

### Monitoring and Associated Activities This Period

Monitoring of ground disturbance included an excavation for electrical ground cable, a manhole and related trench in Area 13 and a small trench excavation near Beta's office trailer in the switch yard area with KGC (Kindness General Contractors) along with excavation of a water service line next to the ZLD area in Area 14 with Bechtel. The various layers of soil observed during this week's excavations in the switch yard included a light brown top soil throughout the excavated area, a beige silty layer intermixed with a blue green loam layer, a reddish brown fill, aggregate base fill and a dark brown grey silty clay soil observed at 3 feet. The various layers of soil observed during this week's trenching with Bechtel included a lime-treated backfill, a green grey silty layer intermixed with a reddish brown silty soil, an off-white silty layer and dark brown grey silty clay soil.

### *PG&E Gas Pipe Excavations*

Monitoring of ground disturbance included linear pipeline trenching, excavation of bell holes, excavations of six 5-foot deep support piers along with a pad and post holes for the installation of fence within the RCEC proper near the guard station with subcontractor ARB, Inc. Linear excavations are currently near the intersection of Depot Road and Viking Street. Soils observed during this week's excavations included lime-treated backfill, aggregate base (AB) fill which is light to medium to light brown silty-sand with yellow rocks and granite pebble inclusions, a yellow-grey sand fill layer, dark brown grey/blue silty clay observed at varying depths between 3 to 6 feet and a pale yellow-brown clay loam observed sporadically at the bottom of the trenches.

### Cultural Resources Discoveries This Period

None.

### Anticipated Changes in the Next Period

Remaining excavations scheduled for next week include excavation around broken piers with KGC in the switch yard area. Bechtel has stated smaller excavations are scheduled for next week. The CRM will remain on site to continue monitoring and to respond to discoveries if they occur.

*PG&E Gas Pipe Excavations*

Excavation activity scheduled for next week includes a switch to night work to continue pipeline trenching along Depot Road going in a west to east direction with subcontractor ARB, Inc. The CRM will remain on site to continue monitoring and to respond to discoveries if they occur.

Comments, Issues or Concerns

None

## Weekly Report of Cultural Resources Monitoring Activities for the Russell City Energy Center Project; COC CUL-6

**Prepared For:** Karen Parker, RCEC Project Manager  
**Prepared By:** Clint Helton/RCEC CRS  
**Reporting For Period:** March 25 to March 31, 2012

This report covers cultural resources monitoring activities for construction of the Russell City Energy Center project for the week of March 25 to March 31, 2012, as required by Condition of Certification CUL-6.

### Personnel Active in Cultural Monitoring This Period

Sonia Sifuentes and Michelle Kaye participated as CRMs for this week.

### Monitoring and Associated Activities This Period

Monitoring of ground disturbance included excavations around broken pier foundations within the switch yard area with KGC (Kindness General Contractors) as well as excavation of a duct bank north of the Chlorine Contact Basin in Area 14, pad excavations north of the water storage tank in Area 13, excavations around the electrical duct bank in Area 5, along with spot checking continued excavation for rat slab and reconnaissance excavation for buried electrical ground cables in Area 14 near HRSG 1 with Bechtel. The various layers of soil observed during this week's excavations in the switch yard included a light brown top soil throughout the excavated area, beige silty layer intermixed with a blue green loam layer, a reddish brown fill, aggregate base fill and a dark brown grey silty clay soil observed at 3 feet. The various layers of soil observed during this week's trenching with Bechtel included a lime-treated backfill, a green grey silty layer intermixed with a reddish brown silty soil, an off-white silty layer and dark brown grey silty clay soil.

### *PG&E Gas Pipe Excavations*

Monitoring of ground disturbance included night time linear pipeline trenching, and excavation of bell holes with subcontractor ARB, Inc. Linear excavations are currently on Depot Road between Viking Street and Clawiter Road. Soils observed during this week's excavations included lime-treated backfill, aggregate base (AB) fill which is light to medium to light brown silty-sand with yellow rocks and granite pebble inclusions, a yellow-grey sand fill layer, dark brown grey/blue silty clay observed at varying depths between 3 to 6 feet and a pale yellow-brown clay loam observed sporadically at the bottom of the trenches.

### Cultural Resources Discoveries This Period

None.

### Anticipated Changes in the Next Period

KGC will be off-site until mid May when they will begin to grade the switch yard and to excavate and install a property fence for the switch yard area. Bechtel has stated smaller excavations are scheduled for next week. The CRM will remain on site to continue monitoring and to respond to discoveries if they occur.

*PG&E Gas Pipe Excavations*

Excavation activity scheduled for next week includes a switch back to day work to continue pipeline trenching along Depot Road going in a west to east direction, as well as pot hole excavations near the RCEC proper north entrance with subcontractor ARB, Inc. The CRM will remain on site to continue monitoring and to respond to discoveries if they occur.

Comments, Issues or Concerns

None

**CONDITION OF CERTIFICATION  
PAL-3**

**Russell City Energy Center  
Monthly Compliance Report #20  
March 2012**







### COURSE ROSTER

DATE: 3/12/12		COURSE TITLE: Environmental New Hire Training Orientation & Worker Environmental Awareness Program (WEAP)	
COURSE ID: ESH		INSTRUCTOR NAME(S): Gwen Bechtel, Russ Ford, Melvin Anderson	
LOCATION WHERE GIVEN: <input checked="" type="checkbox"/> Bechtel <input type="checkbox"/> Other (specify)			
COURSE COMPLETION DATE:		COURSE LENGTH:	
PRINT NAME		SIGNATURE	BECHTEL EMPLOYEE NO.
LAST	FIRST		
Stillman	Michael	<i>Michael J. Stillman</i>	
GUARDADO	MARK	<i>Mark A. Guardado</i>	
<del>Catderon</del>	<del>Luis</del>	<del><i>Luis Catderon</i></del>	
GOLDEN	Theresa	<i>Theresa Golden</i>	
SCOTT	Samuel	<i>Samuel Scott</i>	
Wells	Gordon	<i>Gordon Wells</i>	
Sikes	Tim	<i>Tim Sikes</i>	
Canyon	John	<i>John Canyon</i>	
EILMOTT	Leevon	<i>Leevon Eilmott</i>	
Russell	Harry	<i>Harry Russell</i>	
BAKER	Jesse	<i>Jesse Baker</i>	
Simonds	Don	<i>Don Simonds</i>	
INSTRUCTOR'S SIGNATURE: <i>[Signature]</i>		DATE: 3/12/12	
** By signing this attendee acknowledged receiving training and understands the Condition of Certification set forth in BIO-5, CUL-4, & PAL-3			



## COURSE ROSTER

DATE: 3/19/2012				
COURSE ID: ESH		COURSE TITLE: Environmental New Hire Training Orientation & Worker Environmental Awareness Program (WEAP)		
INSTRUCTOR NAME(S): Gwen Bechtel, Russ Ford, Melvin Anderson				
LOCATION WHERE GIVEN: <input checked="" type="checkbox"/> Bechtel <input type="checkbox"/> Other (specify)				
COURSE COMPLETION DATE:		COURSE LENGTH:		
PRINT NAME		SIGNATURE	BECHTEL EMPLOYEE NO.	CRAFT
LAST	FIRST			
ALVES	Scotty			
BURTZ	CASEY			
GRIFFIN	JASON			
VEGA	JUSTIN			
MARASPINI	JESUS			
WHITE	DOMINIC			
VASQUEZ	Cameroon			
Russell	Mariano		101040	Welder
	Harry			
INSTRUCTOR'S SIGNATURE:		DATE: March 19, 2012		
** By signing this attendee acknowledged receiving training and understands the Condition of Certification set forth in BIO-5, CUL-4, & PAL-3				



### COURSE ROSTER

DATE: 3/26/2012

COURSE ID: \_\_\_\_\_ COURSE TITLE: Environmental New Hire Training Orientation & Worker Environmental Awareness Program (WEAP)

INSTRUCTOR NAME(S): Gwen Bechtel, Russ Ford, Melvin Anderson

LOCATION WHERE GIVEN:  Bechtel  Other (specify) \_\_\_\_\_

COURSE COMPLETION DATE: \_\_\_\_\_ COURSE LENGTH: \_\_\_\_\_

PRINT NAME		SIGNATURE	BECHTEL EMPLOYEE NO.	CRAFT
LAST	FIRST			
Loup	Todd Loup	Todd Loup		SITE MANAGER
GAYLOR	RONNY	Ronny Gaylor		ELECT
Dehart	Marcus	Marcus Dehart		ELECT
MOORE	STEPHEN	Stephen Moore		
DORCHE	MO	Mo Dorche		Carpenter
Kellogg	BOB	Robert Kellogg		elect
Pulido	Fabian	Fabian Pulido		Carpenter
Gonzalez	Ramon	Ramon Gonzalez		Carpenter
Salcido	Oscar	Oscar Salcido		Carpenter
Whitehouse	TIM	Mr. Whitehouse		ELECT
	Juan	Rodriguez		
Rodriguez	Juan	Juan Rodriguez		Carpenter
Munoz	Horacio	Horacio Munoz		Carpenter
Portillo	Ruben	Ruben P.		carpenter
Romero	Anthony	Anthony Romero		Carpenter
Miller	JOSEPH	Joseph Miller		Electrician
Yazari	Lorado	Lorado Yazari		BAM
INSTRUCTOR'S SIGNATURE:		DATE: March 26, 2012		

\*\* By signing this attendee acknowledged receiving training and understands the Condition of Certification set forth in BIO-5, CUL-4, & PAL-3



**CONDITION OF CERTIFICATION  
PAL-4**

**Russell City Energy Center  
Monthly Compliance Report #20  
March 2012**

## Monthly Report of Paleontological Resources Monitoring Activities for the Russell City Energy Center; COC PAL-4

**Prepared For:** Karen Parker, RCEC Project Manager  
**Prepared By:** Geof Spaulding, RCEC Paleontological Resources Specialist (PRS)  
Levi Pratt, Staff Paleontologist  
**Reporting For Period:** March 2012

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

### Personnel Active in Paleontological Monitoring This Period

Michelle Kaye, Dimitra Zalarvis-Chase, and Sonia Sifuentes were the paleontological resources monitors (PRMs) for this month.

### Monitoring and Associated Activities This Period

Monitoring for paleontological resources occurred on the following days:

Thursday, March 1 through Saturday, March 3  
Monday, March 5 through Saturday, March 10  
Monday, March 12 through Saturday, March 17  
Monday, March 19 through Friday, March 23  
Monday, March 26 through Friday, March 30

While most construction activities continue to be at too shallow a depth to affect paleontologically sensitive sediment, occasional excavations to depths greater than 6 feet below ground surface (bgs) had the potential to affect sediments of potential paleontological sensitivity. Earth moving activities that reached depths greater than 6 feet bgs included:

- potholing in the intersection of Deport Road and Connecticut Street to depths from 6.3 to 8 feet bgs;
- excavations to expose a water pipe in area 14 to a depth of 10 feet bgs;
- conduit excavation in switch yard area to depths of 6 feet bgs;
- excavation for water service line next to ZLD/cooling tower in Area 14 to a depth of 8 feet bgs;
- bell hole excavations and pipeline trenching along Depot road to depths from 6 to 12 feet bgs.

### Paleontological Resources Discoveries This Period

Faunal remains were discovered at the RCEC project site during trenching for electrical conduit on Thursday March 08, 2012. Faunal remains were discovered as loose bone fragments in trench spoils and as in-situ bone protruding from the trench sidewall at

approximately 3.4 feet below ground surface (bgs) in the Bay Mud clay. After review of the circumstances of the find, it was determined to treat it as a paleontological find. A notification memo regarding this discovery was submitted to the CRM. The remains were scientifically recovered with minimal delay to construction activities, and then the site of the find cleared for further construction. They are currently being evaluated and a report on their identification and scientific importance is being prepared. Preliminarily their scientific importance appears to be minimal.

**Anticipated Activities in the Next Period**

Monitoring is expected to continue through April 2012. A draft technical report on the discovery of faunal remains made during this period will be prepared. Included will be an assessment of its scientific significance, and recommendations.

**Comments, Issues or Concerns**

No issues or concerns.

**CONDITION OF CERTIFICATION  
COMPLIANCE-5  
Compliance Matrix**

**Russell City Energy Center  
Monthly Compliance Report #20  
March 2012**

Technical Area	No.	Facility Status	Report	Condition of Certification	Compliance Verification	Timeframe	Submittal Required	Date Submitted	Date Approved	Status
COMPLIANCE	1	All		Unrestricted Access	The CPM, responsible Energy Commission staff, and delegate agencies or consultants shall be guaranteed and granted unrestricted access to the power plant site, related facilities, project-related Staff, and the records maintained on site, for the purpose of conducting audits, surveys, inspections, or general site visits. Although the CPM will normally schedule site visits on dates and times agreeable to the project owner, the CPM reserves the right to make unannounced visits at any time.	N/A	N/A	N/A	N/A	Ongoing
COMPLIANCE	2	All		Compliance Record	The project owner shall maintain project files onsite or at an alternative site approved by the CPM, for the life of the project unless a lesser period of time is specified by the conditions of certification. The files shall contain copies of all "as-built" drawings, all documents submitted as verification for conditions, and all other project-related documents. Energy Commission staff and delegate agencies shall, upon request to the project owner, be given unrestricted access to the files.	N/A	N/A	N/A	N/A	Ongoing
COMPLIANCE	3	All		Compliance Verification Submittals	Each condition of certification is followed by a means of verification. The verification describes the Energy Commission's procedure(s) to ensure postcertification compliance with adopted conditions. The verification procedures, unlike the conditions, may be modified as necessary by the CPM, and in most cases without full Energy Commission approval. A cover letter from the project owner or authorized agent is required for all compliance submittals and correspondence pertaining to compliance matters. The cover letter subject line shall identify the involved condition(s) of certification by condition number and include a brief description of the subject of the submittal. The project owner shall also identify those submittals not required by a condition of certification with a statement such as: "This submittal is for information only and is not required by a specific condition of certification." When submitting	N/A	N/A	N/A	N/A	Ongoing
COMPLIANCE	5	All	Annual	Compliance Matrix	A compliance matrix shall be submitted by the project owner to the CPM along with each monthly and annual compliance report. The compliance matrix is intended to provide the CPM with the current status of all conditions of certification in a spreadsheet format. The compliance matrix must identify: 1. the technical area; 2. the condition number; 3. a brief description of the verification action or submittal required by the condition; 4. the date the submittal is required (e.g., 60 days prior to construction, after final inspection, etc.); 5. the expected or actual submittal date; 6. the date a submittal or action was approved by the Chief Building Official (CBO), CPM, or delegate agency, if applicable; and 7. the compliance status of each condition, e.g., "not started," "in progress" or "completed" (include the date). Satisfied conditions do not need to be included in the compliance matrix after they have been identified as satisfied in at least one monthly or annual compliance report.	N/A	N/A	N/A	N/A	Ongoing
COMPLIANCE	6	Constr	Monthly	Monthly Compliance Report	The first Monthly Compliance Report is due one month following the Energy Commission business meeting date upon which the project was approved, unless otherwise agreed to by the CPM. <u>The first Monthly Compliance Report shall include an initial list of dates for each of the events identified on the Key Events List.</u> During pre-construction and construction of the project, the project owner or authorized agent shall submit an original and eight copies of the Monthly Compliance Report within 10 working days after the end of each reporting month. The reports shall contain, at a minimum: 1. a summary of the current project construction status, a revised/updated schedule if there are significant delays, and an explanation of any significant changes to the schedule; 2. documents required by specific conditions to be submitted along with the Monthly Compliance Report. Each of these items must be identified in the transmittal letter, and submitted as attachments to the Monthly Compliance Report; 3. an initial, and thereafter updated, compliance matrix showing the status of all conditions of certification (fully satisfied conditions do not need to be included in the matrix after they have been reported as completed); 4. a list of conditions that have been satisfied during the reporting period, and a description or reference to the actions that satisfied the condition; 5. a list of any submittal deadlines that were missed, accompanied by an explanation and an estimate of when the information will be provided; 6. a cumulative listing of any approved changes to conditions of certification; 7. a listing of any filings submitted to, or permits issued by, other governmental agencies during the month; 8. a projection of project compliance activities scheduled during the next two months. The project owner shall notify the CPM as soon as any changes are made to the project construction schedule that would affect compliance with conditions of certification; 9. a listing of the month's additions to the on-site compliance file; and 10. a listing of complaints, notices of violation, official warnings, and citations received during the month, a description of the resolution of the resolved actions, and the status of any unresolved actions.	10	After end of the reporting period	9/15/2010	N/A	Ongoing

COMPLIANCE	7	Ops	Annual	Annual Compliance Report	<p>After construction is complete, the project owner shall submit Annual Compliance Reports instead of Monthly Compliance Reports. <u>The reports are for each year of commercial operation and are due to the CPM each year at a date agreed to by the CPM.</u> Annual Compliance Reports shall be submitted over the life of the project unless otherwise specified by the CPM. Each Annual Compliance Report shall identify the reporting period and shall contain the following:</p> <ol style="list-style-type: none"> <li>1. an updated compliance matrix showing the status of all conditions of certification (fully satisfied conditions do not need to be included in the matrix after they have been reported as completed);</li> <li>2. a summary of the current project operating status and an explanation of any significant changes to facility operations during the year;</li> <li>3. documents required by specific conditions to be submitted along with the Annual Compliance Report. Each of these items must be identified in the transmittal letter, and submitted as attachments to the Annual Compliance Report;</li> <li>4. a cumulative listing of all post-certification changes approved by the Energy Commission or cleared by the CPM;</li> <li>5. an explanation for any submittal deadlines that were missed, accompanied by an estimate of when the information will be provided;</li> <li>6. a listing of filings submitted to, or permits issued by, other governmental agencies during the year;</li> <li>7. a projection of project compliance activities scheduled during the next year;</li> <li>8. a listing of the year's additions to the on-site compliance file;</li> <li>9. an evaluation of the on-site contingency plan for unplanned facility closure, including any suggestions necessary for bringing the plan up to date [see Compliance Conditions for Facility Closure addressed later in this section]; and</li> <li>10. a listing of complaints, notices of violation, official warnings, and citations received during the year, a description of the resolution of any resolved matters, and the status of any unresolved matters.</li> </ol>	N/A	After end of the reporting period	N/A	N/A	Not Started
COMPLIANCE	8	All	Quarterly	Confidential Information	<p>Any information that the project owner deems confidential shall be submitted to the Energy Commission's Dockets Unit with an application for confidentiality pursuant to Title 20, California Code of Regulations, section 2505(a). Any information that is determined to be confidential shall be kept confidential as provided for in Title 20, California Code of Regulations, section 2501 et. seq.</p>	N/A	N/A	N/A	N/A	Ongoing
COMPLIANCE	9	All		Annual Energy Facility Compliance Fee	<p>Pursuant to the provisions of Section 25806(b) of the Public Resources Code, the project owner is required to pay an annual fee currently seventeen thousand six hundred seventy six dollars (\$17,676), which will be adjusted annually on July 1. The initial payment is due on the date the Energy Commission adopts the final decision. All subsequent payments are due by July 1 of each year in which the facility retains its certification. The payment instrument shall be made payable to the California Energy Commission and mailed to: Accounting Office, California Energy Commission, 1516 9th St., MS-2, Sacramento, CA 95814.</p>	N/A	N/A	7/1/2001	N/A	Ongoing
COMPLIANCE	10	All			<p>Any changes to the telephone number shall be submitted immediately to the CPM, who will update the web page.</p> <p>In addition to the monthly and annual compliance reporting requirements described above, the project owner shall report and provide copies to the CPM of all complaint forms, notices of violation, notices of fines, official warnings, and citations, within 10 days of receipt. Complaints shall be logged and numbered. Noise complaints shall be recorded on the form provided in the NOISE conditions of certification. All other complaints shall be recorded on the complaint form (Attachment A).</p>	10	After receipt	N/A	N/A	Ongoing
COMPLIANCE	11	Closure		Planned Closure	<p>In order to ensure that a planned facility closure does not create adverse impacts, a closure process that provides for careful consideration of available options and applicable laws, ordinances, regulations, standards, and local/regional plans in existence at the time of closure, will be undertaken. To ensure adequate review of a planned project closure, the project owner shall submit a proposed facility closure plan to the Energy Commission for review and approval at least 12 months (or other period of time agreed to by the CPM) prior to commencement of closure activities. The project owner shall file 120 copies (or other number of copies agreed upon by the CPM) of a proposed facility closure plan with the Energy Commission.</p> <p>The plan shall:</p> <ol style="list-style-type: none"> <li>1. identify and discuss any impacts and mitigation to address significant impacts associated with proposed closure activities and to address facilities, equipment, or other project related remnants that will remain at the site;</li> <li>2. identify a schedule of activities for closure of the power plant site, transmission line corridor, and all other appurtenant facilities constructed as part of the project;</li> <li>3. identify any facilities or equipment intended to remain on site after closure, the reason, and any future use; and</li> <li>4. address conformance of the plan with all applicable laws, ordinances, regulations, standards, and local/regional plans in existence at the time of facility closure, and applicable conditions of certification.</li> </ol> <p>Prior to submittal of the proposed facility closure plan, a meeting shall be held between the project owner and the Energy Commission CPM for the purpose of discussing the specific contents of the plan.</p>	365	Prior to closure			Not Started

COMPLIANCE	12	Closure		Unplanned Temporary Closure/On-Site Contingency Plan	<p>The project owner shall submit an on-site contingency plan for CPM review and approval. The plan shall be submitted no less than 60 days (or other time agreed to by the CPM) prior to commencement of commercial operation. The approved plan must be in place prior to commercial operation of the facility and shall be kept at the site at all times.</p> <p>The project owner, in consultation with the CPM, will update the on-site contingency plan as necessary. The CPM may require revisions to the on-site contingency plan over the life of the project. In the annual compliance reports submitted to the Energy Commission, the project owner will review the on-site contingency plan, and recommend changes to bring the plan up to date. Any changes to the plan must be approved by the CPM.</p> <p>The on-site contingency plan shall provide for taking immediate steps to secure the facility from trespassing or encroachment. In addition, for closures of more than 90 days, unless other arrangements are agreed to by the CPM, the plan shall provide for removal of hazardous materials and hazardous wastes, draining of all chemicals from storage tanks and other equipment, and the safe shutdown of all equipment. (Also see specific conditions of certification for the technical areas of Hazardous Materials Management and Waste Management.)</p> <p>In addition, consistent with requirements under unplanned permanent closure addressed below, the nature and extent of insurance coverage, and major equipment warranties must also be included in the on-site contingency plan. In addition, the status of the insurance coverage and major equipment warranties must be updated in the annual compliance reports.</p> <p>In the event of an unplanned temporary closure, the project owner shall notify the CPM, as well as other responsible agencies, by telephone, fax, or e-mail, within 24 hours and shall take all necessary steps to implement the on-site contingency plan. The project owner shall keep the CPM informed of the circumstances and expected duration of the closure.</p> <p>If the CPM determines that an unplanned temporary closure is likely to be permanent, or for a duration of more than 12 months, a closure plan consistent with the requirements for a planned closure shall be developed and submitted to the CPM within 90 days of the CPM's determination (or other period of time agreed to by the CPM).</p>	60	Prior to commercial operation				Not Started
COMPLIANCE	13	Closure		Unplanned Permanent Closure/On-Site Contingency Plan	<p>The on-site contingency plan required for unplanned temporary closure shall also cover unplanned permanent facility closure. All of the requirements specified for unplanned temporary closure shall also apply to unplanned permanent closure.</p> <p>In addition, the on-site contingency plan shall address how the project owner will ensure that all required closure steps will be successfully undertaken in the event of abandonment.</p> <p>In the event of an unplanned permanent closure, the project owner shall notify the CPM, as well as other responsible agencies, by telephone, fax, or e-mail, within 24 hours and shall take all necessary steps to implement the on-site contingency plan. The project owner shall keep the CPM informed of the status of all closure activities.</p> <p>A closure plan, consistent with the requirements for a planned closure, shall be developed and submitted to the CPM within 90 days of the permanent closure or another period of time agreed to by the CPM.</p>	90	After closure				Not Started
COMPLIANCE	14	All		Post Certification Changes to the Energy Commission Decision: Amendments, Ownership Changes, Insignificant Project Changes, and Verification Changes	<p>The project owner must petition the Energy Commission pursuant to Title 20, California Code of Regulations, section 1769, in order to modify the project (including linear facilities) design, operation or performance requirements, and to transfer ownership or operational control of the facility. It is the responsibility of the project owner to contact the CPM to determine if a proposed project change should be considered a project modification pursuant to section 1769.</p> <p>Implementation of a project modification without first securing Energy Commission, or Energy Commission staff approval, may result in enforcement action that could result in civil penalties in accordance with section 25534 of the Public Resources Code.</p> <p>A petition is required for amendments and for insignificant project changes as specified below.</p> <p>For verification changes, a letter from the project owner is sufficient. In all cases, the petition or letter requesting a change should be submitted to the CPM, who will file it with the Energy Commission's Dockets Unit in accordance with Title 20, California Code of Regulations, section 1209.</p>	N/A	N/A	N/A	N/A		Ongoing
GEN	1	Constr		The project owner shall design, construct and inspect the project in accordance with the 2001 California Building Code (CBC) and all other applicable engineering LORS in effect at the time initial design plans are submitted to the CBO for review and approval. (The CBC in effect is that edition that has been adopted by the California Building Standards Commission and published at least 180 days previously.) All transmission facilities (lines, switchyards, switching stations, and substations) are handled in Conditions of Certification in the Transmission System Engineering section of this document	<p>Within 30 days after receipt of the Certificate of Occupancy, the project owner shall submit to the California Energy Commission Compliance Project Manager (CPM) a statement of verification, signed by the responsible design engineer, attesting that all designs, construction, installation and inspection requirements of the applicable engineering LORS and the Energy Commission Decision have been met in the area of facility design.</p>	30	After receipt				Not Started
GEN	1	Constr			The project owner shall provide the CPM a copy of the Certificate of Occupancy within 30 days of receipt from the CBO.	30	After receipt				Not Started
GEN	2	Constr	Monthly		The project owner shall provide schedule updates in the Monthly Compliance Report.	N/A	N/A	Various	N/A		Ongoing
GEN	3	Constr	Monthly	The project owner shall make payments to the CBO for design review, plan check and construction inspection based upon a reasonable fee schedule to be negotiated between the project owner and the CBO. These fees may be consistent with the fees listed in the 2001 CBC [Chapter 1, Section 107 and Table 1-A, Building Permit Fees; Appendix Chapter 33, Section 3310 and Table A-33-A, Grading Plan Review Fees; and Table A-33-B, Grading Permit Fees], adjusted for inflation and other appropriate adjustments; may be based on the value of the facilities reviewed; may be based on hourly rates; or may be as otherwise agreed by the project owner and the CBO.	The project owner shall make the required payments to the CBO in accordance with the agreement between the project owner and the CBO. The project owner shall send a copy of the CBO's receipt of payment to the CPM in the next Monthly Compliance Report indicating that the applicable fees have been paid.	N/A	N/A	9/15/2010	N/A		Ongoing
GEN	4	Constr		If the RE or the delegated engineers are reassigned or replaced, the project owner shall submit the name, qualifications and registration number of the newly assigned engineer to the CBO for review and approval.	If the RE or the 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.	5	After proposed change	3/31/2011 (RK)	4/4/2011 (RK)		Ongoing
GEN	4	Constr		The project owner shall notify the CPM of the CBO's approval of the new engineer.	The project owner shall notify the CPM of the CBO's approval of the new engineer within five days of the approval.	5	After approval	7/21/2011 (RK)	8/11/2011 (RK)		Ongoing
GEN	5	Constr		If any one of the designated responsible engineers is subsequently reassigned or replaced, the project owner shall submit the name, qualifications and registration number of the newly assigned responsible engineer to the CBO for review and approval.	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.	5	After proposed change				Not Started
GEN	5	Constr		The project owner shall notify the CPM of the CBO's approval of the new engineer.	The project owner shall notify the CPM of the CBO's approval of the new engineer within five days of the approval.	5	After approval				Not Started
GEN	6	Constr		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. All transmission facilities (lines, switchyards, switching stations, and substations) are handled in Conditions of Certification in the Transmission System Engineering section of this document.	At least 15 days 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.	15	Prior to start of	Various	Various		Ongoing

GEN	6	Constr	Monthly		The project owner shall also submit to the CPM a copy of the CBO's approval of the qualifications of all special inspectors in the next Monthly Compliance Report.	N/A	N/A	Various	N/A	Ongoing
GEN	6	Constr			If the special inspector is subsequently reassigned or replaced, the project owner has five days in which to submit the name and qualifications of the newly assigned special inspector to the CBO for approval.	5	After proposed change			Not Started
GEN	6	Constr			The project owner shall notify the CPM of the CBO's approval of the newly assigned inspector within five days of the approval.	5	After approval			Not Started
GEN	7	Constr	Monthly	The project owner shall keep the CBO informed regarding the status of engineering and construction. If any discrepancy in design and/or construction is discovered in any 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 discrepancy documentation shall reference this Condition of Certification and, if appropriate, the applicable sections of the CBC and/or other LORS.	The project owner shall transmit a copy of the CBO's approval of any corrective action taken to resolve a discrepancy to the CPM in the next Monthly Compliance Report.	N/A	N/A		N/A	Ongoing
GEN	7	Constr			If any corrective action is disapproved, the project owner shall advise the CPM, within five days, of the reason for disapproval, and the revised corrective action to obtain CBO's approval.	5	After notification			Not Started
GEN	8	Constr		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. When the work and the "as-built" and "as graded" plans conform to the approved final plans, the project owner shall notify the CPM regarding the CBO's final approval. The marked up "as-built" drawings for the construction of structural and architectural work shall be submitted to the CBO. Changes approved by the CBO shall be identified on the "as-built" drawings [2001 CBC, Section 108, Inspections].	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.	15	After completion			Ongoing
GEN	8	Constr		The project owner shall retain one set of approved engineering plans, specifications and calculations at the project site or at another accessible location during the operating life of the project [2001 CBC, Section 106.4.2, Retention of plans].	After storing final approved engineering plans, specifications and calculations as described above, the project owner shall submit to the CPM a letter stating that the above documents have been stored and indicate the storage location of such documents.	N/A	N/A			Not Started
CIVIL	2	Constr		The resident engineer shall, if appropriate, stop all earthworks and construction in the affected areas when the responsible 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 five days, when earthwork and construction is stopped as a result of unforeseen adverse geologic/soil conditions.	5	After discovery			Ongoing
CIVIL	2	Constr		The project owner shall obtain approval from the CBO before resuming earthwork and construction in the affected area [2001 CBC, Section 104.2.4, Stop orders].	Within five days 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.	5	After approval			Not Started
CIVIL	3	Constr		The project owner shall perform inspections in accordance with the 2001 CBC, Chapter 1, Section 108, Inspections; Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection; and Appendix Chapter 33, Section 3317, Grading Inspection. All plant site grading operations for which a grading permit is required shall be subject to inspection by the CBO.	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. A list of NCRs, for the reporting month, shall also be included in the following Monthly Compliance Report.	5	After discovery	Various		Ongoing
CIVIL	3	Constr			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.	5	After resolution			Not Started
CIVIL	3	Constr	Monthly		A list of NCRs, for the reporting month, shall also be included in the following Monthly Compliance Report.	N/A	N/A			Not Started
CIVIL	4	Constr		After completion of finished grading and erosion and sedimentation control and drainage facilities, the project owner shall obtain the CBO's approval of the final "as-graded" grading plans, and final "as-built" plans for the erosion and sedimentation control facilities [2001 CBC, Section 109, Certificate of Occupancy].	Within 30 days of the completion of the erosion and sediment control mitigation and drainage facilities, the project owner shall submit to the CBO the responsible civil engineer's signed statement that the installation of the facilities and all erosion control measures were completed in accordance with the final approved combined grading plans, and that the facilities are adequate for their intended purposes.	30	After completion			Not Started
CIVIL	4	Constr	Monthly		The project owner shall submit a copy of this report to the CPM in the next Monthly Compliance Report.	N/A	N/A			Not Started
STRUC	1	Constr		Prior to the start of any increment of construction of any major structure or component listed in Table 1 of Condition of Certification GEN-2, above, 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. Proposed lateral force procedures, designs, plans and drawings shall be those for the following items (from Table 1, above): 1. Major project structures; 2. Major foundations, equipment supports and anchorage; 3. Large field fabricated tanks; 4. Turbine/generator pedestal; and 5. Switchyard structures. Construction of any structure or component shall not commence until the CBO has approved the lateral force procedures to be employed in designing that structure or component.	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 any increment of construction of any structure or component listed in Table 1 of Condition of Certification GEN-2, above the project owner shall submit to the CBO, with a copy to the CPM, the responsible design engineer's signed statement that the final design plans, specifications and calculations conform with all of the requirements set forth in the Energy Commission Decision.	30	Prior to start of any increment of	Various	Various	Ongoing
STRUC	1	Constr			If the CBO discovers non-conformance with the stated requirements, the project owner shall resubmit the corrected plans to the CBO within 20 days of receipt of the nonconforming submittal with a copy of the transmittal letter to the CPM.	20	After receipt			Not Started
STRUC	1	Constr			The project owner shall submit to the CPM a copy of a statement from the CBO that the proposed structural plans, specifications, and calculations have been approved and are in conformance with the requirements set forth in the applicable engineering LORS.	N/A	N/A			Ongoing
STRUC	2	Constr		The project owner shall submit to the CBO the required number of sets of the following documents related to work that has undergone CBO design review and approval: 1. Concrete cylinder strength test reports (including date of testing, date sample taken, design concrete strength, tested cylinder strength, age of test, type and size of sample, location and quantity of concrete placement from which sample was taken, and mix design designation and parameters); 2. Concrete pour sign-off sheets; 3. Bolt torque inspection reports (including location of test, date, bolt size, and recorded torques); 4. Field weld inspection reports (including type of weld, location of weld, inspection of non-destructive testing (NDT) procedure and results, welder qualifications, certifications, qualified procedure description or number (ref. AWS); and 5. Reports covering other structural activities requiring special inspections shall be in accordance with the 2001 CBC, Chapter 17, Section 1701, Special Inspections, Section 1701.5, Type of Work (requiring special inspection), Section 1702, Structural Observation and Section 1703, Nondestructive Testing.	If a discrepancy is discovered in any of the above data, the project owner shall, within five days, prepare and submit an NCR describing the nature of the discrepancies to the CBO, with a copy of the transmittal letter to the CPM. The NCR shall reference the Condition(s) of Certification and the applicable CBC chapter and section.	5	After discovery	Various		Ongoing
STRUC	2	Constr			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.	5	After resolution			Not Started

STRUC	2	Constr			The project owner shall transmit a copy of the CBO's approval or disapproval of the corrective action to the CPM within 15 days.	15	After approval			Not Started
STRUC	2	Constr			If disapproved, the project owner shall advise the CPM, within five days, the reason for disapproval, and the revised corrective action to obtain CBO's approval.	5	After notification			Not Started
STRUC	3	Constr		The project owner shall submit to the CBO design changes to the final plans required by the 2001 CBC, Chapter 1, Section 106.3.2, Submittal documents, and Section 106.3.3, 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.	N/A	N/A			Not Started
STRUC	3	Constr	Monthly		The project owner shall notify the CPM, via the Monthly Compliance Report, when the CBO has approved the revised plans.	N/A	N/A			Not Started
STRUC	4	Constr		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 Occupancy Category 2 of the 2001 CBC.	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 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.	30	Prior to start of installation			In Progress
STRUC	4	Constr	Monthly		The project owner shall send copies of the CBO approvals of plan checks to the CPM in the following Monthly Compliance Report.	N/A	N/A			Not Started
STRUC	4	Constr	Monthly		The project owner shall also transmit a copy of the CBO's inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.	N/A	N/A			Not Started
MECH	1	Constr	Monthly	Prior to the start of any increment of major piping or plumbing construction, 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 Table 1, Condition of Certification GEN 2, above. Physical layout drawings and drawings not related to code compliance and life safety need not be submitted. The submittal shall also include the applicable QA/QC procedures. 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 [2001 CBC, Section 106.3.2, Submittal Documents, Section 108.3, Inspection Requests, Section 108.4, Approval Required; 2001 California Plumbing Code, Section 103.5.4, Inspection Request, Section 301.1.1, Approval].	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 any increment of major piping or plumbing construction listed in Table 1, Condition of Certification GEN-2 above, the project owner shall submit to the CBO for design review and approval the final plans, specifications and calculations, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with the applicable LORS, and shall send the CPM a copy of the transmittal letter in the next Monthly Compliance Report.	30	Prior to start of any increment of	Various	Various	Ongoing
MECH	1	Constr	Monthly		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.	N/A	N/A	Various	Various	Ongoing
MECH	2	Constr		For all pressure vessels installed in the plant, the project owner shall submit to the CBO and California Occupational Safety and Health Administration (Cal-OSHA), prior to operation, the code certification papers and other documents required by the applicable LORS. 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 [2001 CBC, Section 108.3 – Inspection Requests].	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 on-site fabrication or installation of any pressure vessel, the project owner shall submit to the CBO for design review and approval, the above listed documents, including a copy of the signed and stamped engineer's certification, with a copy of the transmittal letter to the CPM.	30	Prior to construction of	2/15/2012		Ongoing
MECH	2	Constr	Monthly		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.	N/A	N/A	2/15/2012		Ongoing
MECH	3	Constr		Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, the project owner shall submit to the CBO for design review and approval the design plans, specifications, calculations and quality control procedures for that system. Packaged HVAC systems, where used, shall be identified with the appropriate manufacturer's data sheets.	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 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.	30	Prior to construction of			In Progress
ELEC	1	Constr	Monthly	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 [CBC 2001, Section 106.3.2, Submittal documents]. Upon approval, the above listed plans, together with design changes and design change notices, shall remain on the site or at another accessible location for the operating life of the project. The project owner shall request that the CBO inspect the installation to ensure compliance with the requirements of applicable LORS [2001 CBC, Section 108.4, Approval Required, and Section 108.3, Inspection Requests]. All transmission facilities (lines, switchyards, switching stations, and substations) are handled in Conditions of Certification in the Transmission System Engineering section of this document.	At least 30 days (or a lesser number of days mutually agreed to by the project owner and the CBO) prior to the start of each increment of electrical construction, the project owner shall submit to the CBO for design review and approval the above listed documents. The project owner shall include in this submittal a copy of the signed and stamped statement from the responsible electrical engineer attesting compliance with the applicable LORS, and shall send the CPM a copy of the transmittal letter in the next Monthly Compliance Report.	30	Prior to start of any increment of	Various	Various	Ongoing
TSE	1	Constr	Monthly		The project owner shall provide schedule updates in the Monthly Compliance Report.	N/A	N/A	Various	Various	Ongoing
TSE	2	Constr			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.	5	After proposed change			Not Started
TSE	2	Constr			The project owner shall notify the CPM of the CBO's approval of the new engineer within five days of the approval.	5	After approval			Not Started
TSE	3	Constr		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. (1998 CBC, Chapter 1, Section 108.4, Approval Required; Chapter 17, Section 1701.3, Duties and Responsibilities of the Special Inspector; Appendix Chapter 33, Section 3317.7, Notification of Noncompliance). The discrepancy documentation shall become a controlled document and shall be submitted to the CBO for review and approval and shall reference this condition of certification.	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.	15	After receipt			Not Started
TSE	3	Constr			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.	5	After notification			Not Started
TSE	4	Constr	Monthly	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. These plans, together with design changes and design change notices, shall remain on the site for one year after completion of construction. The project owner shall request that the CBO inspect the installation to ensure compliance with the requirements of applicable LORS. The following activities shall be reported in the Monthly Compliance Report: a) receipt or delay of major electrical equipment; b) testing or energization of major electrical equipment; and c) the number of electrical drawings approved, submitted for approval, and still to be submitted.	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, and send the CPM a copy of the transmittal letter in the next Monthly Compliance Report.	30	Prior to start of any increment of			Ongoing

TSE	6	Constr		The project owner shall inform the CPM and CBO of any impending changes, which may not conform to the requirements TSE-5 a) through f), and have not received CPM and CBO approval, and request approval to implement such changes. A detailed description of the proposed change and complete engineering, environmental, and economic rationale for the change shall accompany the request. Construction involving changed equipment or substation configurations shall not begin without prior written approval of the changes by the CBO and the CPM.	At least 60 days prior to the construction of transmission facilities, the project owner shall inform the CBO and the CPM of any impending changes which may not conform to requirements of TSE-5 and request approval to implement such changes.	60	Prior to construction of	N/A	N/A	Not Started
TSE	7	Constr		The project owner shall provide the following Notice to the California Independent System Operator (CA ISO) prior to synchronizing the facility with the California Transmission system: 1. At least one week prior to synchronizing the facility with the grid for testing, provide the CA ISO a letter stating the proposed date of synchronization; and	The project owner shall provide copies of the CA ISO letter to the CPM when it is sent to the CA ISO one week prior to initial synchronization with the grid.	7	Prior to synchronization			Not Started
TSE	7	Constr		2. At least one business day prior to synchronizing the facility with the grid for testing, provide telephone notification to the CA ISO Outage Coordination Department.	The project owner shall contact the CA 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.	1	Prior to synchronization			Not Started
TSE	7	Constr			A report of conversation with the CA ISO shall be provided electronically to the CPM one day before synchronizing the facility with the California transmission system for the first time.	1	Prior to synchronization			Not Started
TSE	8	Constr		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, to ensure conformance with CPUC GO-95 or NESC, Title 8, CCR, Articles 35, 36 and 37 of the, "High Voltage Electric Safety Orders", applicable interconnection standards, NEC and related industry standards. 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.	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 signed and sealed by the registered electrical engineer in responsible charge. A statement attesting to conformance with CPUC GO-95 or NESC, Title 8, California Code of Regulations, Articles 35, 36 and 37 of the, "High Voltage Electric Safety Orders", and applicable interconnection standards, NEC, related industry standards, and these conditions shall be provided concurrently. b) An "as built" engineering description of the mechanical, structural, and civil portion of the transmission facilities signed and sealed by the registered engineer in responsible charge or acceptable alternative verification. "As built" drawings of the electrical, mechanical, structural, and civil portion of the transmission facilities shall be maintained at the power plant and made available, if requested, for CPM audit as set forth in the "Compliance Monitoring Plan". c) A summary of inspections of the completed transmission facilities, and identification of any nonconforming work and corrective actions taken, signed and sealed by the registered engineer in charge.	60	After first synchronization			Not Started
TLSN	1	Constr		The project transmission lines shall be constructed according to the requirements of California Public Utility Commission's GO-95, GO-52, GO-131-D, Title 8, and Group 2. High Voltage Electrical Safety Orders, and Sections 2700 through 2974 of the California Code of Regulations.	At least thirty days before starting construction of the transmission line or related structures and facilities, the project owner shall submit to the Compliance Project Manager (CPM) a letter signed by a California registered electrical engineer affirming that the lines will be constructed according to the requirements stated in the condition.	30	Prior to construction of			In Progress
TLSN	2	Ops	Annual	Every reasonable effort shall be made to identify and correct, on a case-specific basis, any complaints of interference with radio or television signals from operation of the project-related lines and associated switchyards. Written records shall be maintained for a period of five years, of all complaints of radio or television interference attributable to plant operation together with the corrective action taken in response to each complaint. All complaints shall be recorded to include notations on the corrective action taken. Complaints not leading to a specific action or for which there was no resolution should be noted and explained. The record shall be signed by the project owner and also the complainant, if possible, to indicate concurrence with the corrective action or agreement with the justification for a lack of action.	All reports of line-related complaints shall be summarized for the project-related lines and included during the first five years of plant operation in the Annual Compliance Report.	N/A	N/A			Not Started
TLSN	3	Constr		A qualified consultant shall be hired to measure the strengths of the electric and magnetic fields from the proposed line segment before and after it is energized. The measurements shall be made according to the American National Standard Institute/Institute of Electrical and Electronic Engineers (ANSI/IEEE) standard procedures at the locations of maximum field strengths along the chosen route. These measurements shall be completed not later than six months after the start of operations.	The project owner shall file copies of the pre-and post-energization measurements and measurements with the CPM within 60 days after completion of the measurements.	60	After completion			In Progress
TLSN	4	Ops	Annual	The rights-of-way of the proposed transmission line shall be kept free of combustible materials, as required under the provisions of Section 4292 of the Public Resources Code and Section 1250 of Title 14 of the California Code of Regulations.	During the first five years of plant operation, the project owner shall provide a summary of inspection results and any fire prevention activities carried out along the right-of-way and provide such summaries in the Annual Compliance Report.	N/A	N/A			Not Started
TLSN	5	Constr		All permanent metallic objects within the right-of-way of the project-related lines shall be grounded according to industry standards regardless of ownership. In the event of a refusal by any property owner to permit such grounding, the project owner shall so notify the CPM. Such notification shall include, when possible, the owner's written objection. Upon receipt of such notice, the CPM may waive the requirement for grounding the object involved.	At least 30 days before the lines are energized, the project owner shall transmit to the CPM a letter confirming compliance with this Condition.	30	Prior to energization			Not Started
AQ	SC3	Constr	Monthly	Construction Fugitive Dust Control: The AQCM shall submit documentation to the CPM in each Monthly Compliance Report (MCR) that demonstrates compliance with the following mitigation measures for the purposes of preventing all fugitive dust plumes from leaving the Project. Any deviation from the following mitigation measures shall require prior CPM notification and approval.	The project owner shall provide to the CPM a MCR to include: (1) a summary of all actions taken to maintain compliance with this condition; (2) copies of any complaints filed with the District in relation to project construction; and (3) any other documentation deemed necessary by the District and AQCM to verify compliance with this condition. Such information may be provided via electronic format or disk at the project owner's discretion.	N/A	N/A	Various	Various	Ongoing
AQ	SC4	Constr	Monthly	Dust Plume Response Requirement: The AQCM or an AQCM 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. The AQCM shall include a section detailing how the additional mitigation measures will be accomplished within the time limits specified.	The project owner shall provide to the CPM a MCR to include: (1) a summary of all actions taken to maintain compliance with this condition; (2) copies of any complaints filed with the District in relation to project construction; and (3) any other documentation deemed necessary by the CPM and AQCM to verify compliance with this condition. Such information may be provided via electronic format or disk at the project owner's discretion.	N/A	N/A	Various	Various	Ongoing
AQ	SC5	Constr	Monthly	Diesel-Fueled Engine Control: The AQCM shall submit to the CPM in the MCR, a construction mitigation report that demonstrates compliance with the following mitigation measures for the purposes of controlling diesel construction-related emissions. Any deviation from the following 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) 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 (3) any other documentation deemed necessary by the CPM and AQCM to verify compliance with this condition. Such information may be provided via electronic format or disk at the project owner's discretion.	N/A	N/A	Various	Various	Ongoing
AQ	SC6	All		The project owner shall provide the CPM copies of all District issued Authority-to-Construct (ATC) and Permit-to-Operate (PTO) for the facility. The project owner shall submit to the CPM for review and approval any modification proposed by the project owner to any project air permit.	The project owner shall submit any ATC, PTO, and any proposed air permit modification to the CPM within five working days of its submittal either by 1) the project owner to an agency, or 2) receipt of proposed modifications from an agency.	5	After submittal	12/6/2010 (ATC)	N/A	Ongoing

AQ	SC6	All		The project owner shall submit to the CPM any modification to any permit proposed by the District or U.S. EPA, and any revised permit issued by the District or U.S. EPA, for the project.	The project owner shall submit all modified air permits to the CPM within 15 days of receipt.	15	After receipt	8/7/2009 (PSD)	N/A	Ongoing
AQ	SC7	All	Quarterly Annual	The facility's emissions shall not exceed 1,225 lbs of NOx per day during the June 1 to September 30 periods. In addition, NOx emissions in excess of 848 lbs per calendar day shall be mitigated through the surrender of emission reduction credits (ERCs). The amount of credits to be surrendered shall be the difference between 848 lbs per day and the actual daily emissions.	As part of the quarterly and annual compliance reports as required by AQ-19, the project owner shall include information on the date, time, and duration of any violation of this permit condition.	N/A	N/A			Not Started
AQ	SC8	All	Quarterly Annual	Turbine hot/warm startup NOx emissions shall not exceed 95/125 pounds per startup event, respectively.	As part of the quarterly and annual compliance reports as required by AQ-19, the project owner shall include information on the date, time, and duration of any violation of this permit condition.	N/A	N/A			Not Started
AQ	SC9	All	Quarterly Annual	The project owner shall not operate both gas turbines (S-1 and S-3) simultaneously in start-up mode.	As part of the quarterly and annual compliance reports as required by AQ-19, the project owner shall include information on the date, time, and duration of any violation of this permit condition.	N/A	N/A			Not Started
AQ	SC12	All	Quarterly Annual		The project owner shall submit documentation to show compliance with this condition in the quarterly and annual reports as required in AQ-20.	N/A	N/A	N/A	N/A	Not Started
AQ	SC13	Constr		If complete compliance with AQ-SC12 cannot be achieved by the condition milestones, the project owner shall make up the wintertime PM10 milestone shortfall by providing annual PM10 or PM10 equivalent (SOx for PM10) ERCs at a ratio of 2 tons of annual PM10 or PM10 equivalent ERCs to 1 ton of wintertime PM10. PM10 equivalent ERCs can be provided by SOx for PM10 interpollutant trading at a ratio of 5.3 to 1.	The project owner shall submit to the CPM a list of PM10 and/or SOx ERCs to be surrendered to the District at least 60 days prior to initial startup.	60	Prior to first fire			In Progress
AQ	SC15	All	Quarterly Annual	The owner/operator shall not operate S-6 Fire pump Diesel Engine for testing to demonstrate compliance with a District, State or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing simultaneously with the operation of either gas turbine (S-1 or S-3) in start-up mode.	As part of the quarterly and annual compliance reports as required by AQ-19, the project owner shall include information on the date, time, and duration of any violation of this permit condition.	N/A	N/A			Not Started
AQ	SC16	All	Quarterly Annual	The owner/operator shall limit the operation of S-6 Fire pump Diesel Engine to no more than 30 minutes per hour for reliability-related activities (maintenance and other testing, but excluding emission testing or emergency operation).	As part of the quarterly and annual compliance reports as required by AQ-19, the project owner shall include information on the date, time, and duration of any violation of this permit condition.	N/A	N/A			Not Started
AQ	1	Comm	Monthly	The owner/operator of the RCEC shall minimize emissions of carbon monoxide and nitrogen oxides from S-1 & S-3 gas turbines and S-2 & S-4 Heat Recovery Steam Generators to the maximum extent possible during the commissioning period.	The project owner shall submit a Monthly Compliance Report (MCR) to the CPM specifying how this condition is being complied with.	N/A	N/A			Not Started
AQ	2	Comm	Monthly	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-3 gas turbines combustors and S-2 & S-4 HRSGs duct burners to minimize the emissions of carbon monoxide and nitrogen oxides.	The project owner shall submit a MCR to the CPM specifying how this condition is being complied with.	N/A	N/A			Not Started
AQ	3	Comm	Monthly	At the earliest feasible opportunity in accordance with the recommendations of the equipment manufacturers and the construction contractor, owner/operator shall install, adjust, and operate the A-2 & A-4 Oxidation Catalysts and A-1 & A-3 SCR Systems, to minimize the emissions of carbon monoxide and nitrogen oxides from S-1 & S-3 gas turbines and S-2 & S-4 HRSGs.	The project owner shall submit a MCR to the CPM specifying how this condition is being complied with.	N/A	N/A			Not Started
AQ	4	Comm	Monthly	The owner/operator of the RCEC shall submit a plan to the District Engineering Division and the CPM at least four weeks prior to first firing of S-1 & S-3 gas turbines describing the procedures to be followed during the commissioning of the gas turbines, HRSGs, and steam turbines. The plan shall include a description of each commissioning activity, the anticipated duration of each activity in hours, and the purpose of the activity. The activities described shall include, but not be limited to, the tuning of the Dry-Low-NOx combustors, the installation and operation of the required emission control systems, the installation, calibration, and testing of the CO and NOx continuous emission monitors, and any activities requiring the firing of the gas turbines (S-1 & S-3) and HRSGs (S-2 & S-4) without abatement by their respective oxidation catalysts and/or SCR Systems. The owner/operator shall not fire any of the gas turbines (S-1 or S-3) sooner than 28 days after the District receives the commissioning plan.	The project owner shall submit a MCR to the CPM specifying how this condition is being complied with.	N/A	N/A			Not Started
AQ	5	Comm	Monthly	During the commissioning period, the owner/operator of the RCEC shall demonstrate compliance with AQ-7, AQ-8, AQ-9, and AQ-10, through the use of properly operated and maintained continuous emission monitors and data recorders for the following parameters: • firing hours • fuel flow rates • stack gas nitrogen oxide emission concentrations, • stack gas carbon monoxide emission concentrations • stack gas oxygen concentrations. The monitored parameters shall be recorded at least once every 15 minutes (excluding normal calibration periods or when the monitored source is not in operation) for the gas turbines (S-1 & S-3), HRSGs (S-2 & S-4). The owner/operator shall use District-approved methods to calculate heat input rates, nitrogen dioxide mass emission rates, carbon monoxide mass emission rates, and NOx and CO emission concentrations, summarized for each clock hour and each calendar day. The owner/operator shall retain records on site for at least five (5) years from the date of entry and make such records available to District personnel upon request.	The project owner shall submit a MCR report to the CPM specifying how this condition is being complied with.	N/A	N/A			Not Started
AQ	6	Comm	Monthly	The owner/operator shall install, calibrate, and operate the District approved continuous monitors specified in AQ-5 prior to first firing of the gas turbines (S-1 & S-3) and HRSGs (S-2 & S-4). After first firing of the turbines, the owner/operator shall adjust the detection range of these continuous emission monitors as necessary to accurately measure the resulting range of CO and NOx emission concentrations. The type, specifications, and location of these monitors shall be subject to District review and approval.	The project owner shall submit a MCR to the CPM specifying how this condition is being complied with. In addition, the project owner shall provide evidence of the District's approval of the emission monitoring system to the CPM prior to first firing of the gas turbines.	N/A	N/A			Not Started
AQ	7	Comm	Monthly	The owner/operator shall not fire the S-1 gas turbine and S-2 HRSG without abatement of nitrogen oxide emissions by A-1 SCR System and/or abatement of carbon monoxide emissions by A-2 Oxidation Catalyst for more than 300 hours during the commissioning period. Such operation of S-1 gas turbine and S-2 HRSG without abatement shall be limited to discrete commissioning activities that can only be properly executed without the SCR system and/or oxidation catalyst in place. Upon completion of these activities, the owner/operator shall provide written notice to the District Engineering and Enforcement Divisions and the unused balance of the 300 firing hours without abatement shall expire.	The project owner shall submit a MCR to the CPM specifying how this condition is being complied with.	N/A	N/A			Not Started
AQ	8	Comm	Monthly	The owner/operator shall not fire the S-3 gas turbine and S-4 HRSG without abatement of nitrogen oxide emissions by A-3 SCR System and/or abatement of carbon monoxide emissions by A-4 Oxidation Catalyst for more than 300 hours during the commissioning period. Such operation of S-3 gas turbine and S-4 HRSG without abatement shall be limited to discrete commissioning activities that can only be properly executed without the SCR system and/or oxidation catalyst in place. Upon completion of these activities, the owner/operator shall provide written notice to the District Engineering and Enforcement Divisions and the unused balance of the 300 firing hours without abatement shall expire.	The project owner shall submit a MCR to the CPM specifying how this condition is being complied with.	N/A	N/A			Not Started

AQ	9	Comm	Monthly	The total mass emissions of nitrogen oxides, carbon monoxide, precursor organic compounds, PM10, and sulfur dioxide that are emitted by the gas turbines (S-1 & S-3), HRSGs (S-2 & S-4) and S-6 Fire Pump Diesel Engine during the commissioning period shall accrue towards the consecutive twelve-month emission limitations specified in AQ-23.	The project owner shall submit a MCR to the CPM specifying how this condition is being complied with.	N/A	N/A				Not Started
AQ	10	Comm	Monthly	The owner/operator shall not operate the gas turbines (S-1 & S-3) and HRSGs (S-2 & S-4) in a manner such that the combined pollutant emissions from these sources will exceed the following limits during the commissioning period. These emission limits shall include emissions resulting from the start-up and shutdown of the gas turbines (S-1 & S-3).	The project owner shall submit a MCR to the CPM specifying how this condition is being complied with.	N/A	N/A				Not Started
AQ	11	Comm		No less than 90 days after start-up, the owner/operator shall conduct District and Energy Commission approved source tests using certified continuous emission monitors to determine compliance with the emission limitations specified in AQ-19. The source tests shall determine NOx, CO, and POC emissions during start-up and shutdown of the gas turbines. The POC emissions shall be analyzed for methane and ethane to account for the presence of unburned natural gas. The source test shall include a minimum of three start-up and three shutdown periods and shall include at least one cold start, one warm start, and one hot start. The owner/operator shall incorporate the District and CPM comments into the test plan.	No later than 30 working days before the commencement of the source tests, the project owner shall submit to the District and the CPM a detailed source test plan designed to satisfy the requirements of this condition. The project owner shall incorporate the District and CPM comments into the test plan.	30	Prior to testing				Not Started
AQ	11	Comm		Twenty (20) working days before the execution of the source tests, the owner/operator shall submit to the District and the CPM a detailed source test plan designed to satisfy the requirements of this condition. The District and the CPM will notify the owner/operator of any necessary modifications to the plan within 20 working days of receipt of the plan; otherwise, the plan shall be deemed approved.	The District and the CPM will notify the project owner of any necessary modifications to the plan within 20 working days of receipt of the plan; otherwise, the plan shall be deemed approved.	20	After receipt				Not Started
AQ	11	Comm		The owner/operator shall notify the District and the CPM within seven (7) working days prior to the planned source testing date.	The project owner shall notify the District and the CPM within seven (7) working days prior to the planned source testing date.	7	Prior to testing				Not Started
AQ	11	Comm		The owner/operator shall submit the source test results to the District and the CPM within 60 days of the source testing date.	Source test results shall be submitted to the District and the CPM within 60 days of the source testing date.	60	After testing				Not Started
AQ	12	Ops	Quarterly	The owner/operator shall fire the gas turbines (S-1 & S-3) and HRSG duct burners (S-2 & S-4) exclusively on PUC-regulated natural gas with a maximum sulfur content of 1 grain per 100 standard cubic feet. To demonstrate compliance with this limit, the operator of S-1 through S-4 shall sample and analyze the gas from each supply source at least monthly to determine the sulfur content of the gas. PG&E monthly sulfur data may be used provided that such data can be demonstrated to be representative of the gas delivered to the RCEC. In the event that the average sulfur content exceeds 0.25 grain per 100 standard cubic feet, a reduced annual heat input rate may be utilized to calculate the maximum projected annual emissions. The reduced annual heat input rate shall be subject to District review and approval. (BACT for SO2 and PM10)	The project owner shall complete, on a monthly basis, a laboratory analysis showing the sulfur content of natural gas being burned at the facility. The sulfur analysis reports shall be incorporated into the quarterly compliance reports.	N/A	N/A				Not Started
AQ	13	Ops	Quarterly Annual	The owner/operator shall not operate the units such that the combined heat input rate to each power train consisting of a gas turbine and its associated HRSG (S-1 & S-2 and S-3 & S-4) exceeds 2,238.6 MM BTU (HHV) per hour. (PSD for NOx)	As part of the quarterly and annual compliance reports, the project owner shall include information on the date, time, and duration of any violation of this permit condition.	N/A	N/A				Not Started
AQ	14	Ops	Quarterly Annual	The owner/operator shall not operate the units such that the combined heat input rate to each power train consisting of a gas turbine and its associated HRSG (S-1 & S-2 and S-3 & S-4) exceeds 53,726 MM BTU (HHV) per day. (PSD for PM10)	As part of the quarterly and annual compliance reports, the project owner shall include information on the date, time, and duration of any violation of this permit condition.	N/A	N/A				Not Started
AQ	15	Ops	Quarterly Annual	The owner/operator shall not operate the units such that the combined cumulative heat input rate for the gas turbines (S-1 & S-3) and the HRSGs (S-2 & S-4) exceeds 35,708,858 MM BTU (HHV) per year. (Offsets)	As part of the quarterly and annual compliance reports, the project owner shall include information on the date, time, and duration of any violation of this permit condition.	N/A	N/A				Not Started
AQ	16	Ops	Quarterly Annual	The owner/operator shall not fire the HRSG duct burners (S-2 & S-4) unless its associated gas turbine (S-1 & S-3, respectively) is in operation. (BACT for NOx)	As part of the quarterly and annual compliance reports, the project owner shall include information on the date, time, and duration of any violation of this permit condition.	N/A	N/A				Not Started
AQ	17	Ops	Quarterly Annual	The owner/operator shall ensure that the S-1 gas turbine and S-2 HRSG are abated by the properly operated and properly maintained A-1 SCR system and A-2 oxidation catalyst system whenever fuel is combusted at those sources and the A-1 SCR catalyst bed has reached minimum operating temperature. (BACT for NOx, POC and CO)	As part of the quarterly and annual compliance reports, the project owner shall provide information on any major problem in the operation of the oxidizing catalyst and SCR Systems for the gas turbines and HRSGs. The information shall include, at a minimum, the date and description of the problem and the steps taken to resolve the problem.	N/A	N/A				Not Started
AQ	18	Ops	Quarterly Annual	The owner/operator shall ensure that the S-3 gas turbine and S-4 HRSG are abated by the properly operated and properly maintained A-3 SCR System and A-4 oxidation catalyst system whenever fuel is combusted at those sources and the A-3 SCR catalyst bed has reached minimum operating temperature. (BACT for NOx, POC and CO)	As part of the quarterly and annual compliance reports, the project owner shall provide information on any major problem in the operation of the oxidizing catalyst and SCR Systems for the gas turbines and HRSGs. The information shall include, at a minimum, the date and description of the problem and the steps taken to resolve the problem.	N/A	N/A				Not Started
AQ	19	Ops	Quarterly Annual	The owner/operator shall ensure that the gas turbines (S-1 & S-3) and HRSGs (S-2 & S-4) comply with requirements (a) through (h) under all operating scenarios, including duct burner firing mode. Requirements (a) through (h) do not apply during a gas turbine start-up, combustor tuning operation or shutdown. (BACT, PSD, and Regulation 2, Rule 5) (a) Nitrogen oxide mass emissions (calculated as NO2) at P-1 (the combined exhaust point for S-1 gas turbine and S-2 HRSG after abatement by A-1 SCR System) shall not exceed 16.5 pounds per hour or 0.00735 lb/MM BTU (HHV) of natural gas fired. Nitrogen oxide mass emissions (calculated as NO2) at P-2 (the combined exhaust point for S-3 gas turbine and S-4 HRSG after abatement by A-3 SCR System) shall not exceed 16.5 pounds per hour or 0.00735 lb/MM BTU (HHV) of natural gas fired (b) The nitrogen oxide emission concentration at emission points P-1 and P-2 each shall not exceed 2.0 ppmv, on a dry basis, corrected to 15% O2, averaged over any 1-hour period. (BACT for NOx) (c) Carbon monoxide mass emissions at P-1 and P-2 each shall not exceed 10 pounds per hour or 0.0045 lb/MM BTU of natural gas fired, averaged over any 1-hour period. (PSD for CO) (d) The carbon monoxide emission concentration at P-1 and P-2 each shall not exceed 2.0 ppmv, on a dry basis, corrected to 15% O2, averaged over any 1-hour period. (BACT for CO) (e) Ammonia (NH3) emission concentrations at P-1 and P-2 each shall not exceed 5 ppmv, on a dry basis, corrected to 15% O2, averaged over any rolling 3-hour period. This ammonia emission concentration shall be verified by the continuous recording of the ammonia injection rate to A-2 and A-4 SCR Systems. The correlation between the gas turbine and HRSG heat input rates, A-2 and A-4 SCR System ammonia injection rates, and corresponding ammonia emission concentration at emission points P-1 and P-2 shall be determined in accordance with permit condition 30. (Regulation 2-5) (f) Precursor organic compound (POC) mass emissions (as CH4) at P-1 and P-2 each shall not exceed 2.86 pounds per hour or 0.00128 lb/MM BTU of natural gas fired. (BACT) (g) Sulfur dioxide (SO2) mass emissions at P-1 & P-2 each shall not exceed 6.21 pounds per hour or 0.0028 lb/MM BTU of natural gas fired. (BACT) (h) Particulate matter (PM10) mass emissions at P-1 & P-2 each shall not exceed 7.5 pounds per hour or 0.0036 lb PM10/MM BTU of natural gas fired. (BACT)	The project owner shall submit to the District and CPM, quarterly reports for the preceding calendar quarter within 30 days from the end of the quarter. <u>The report for the fourth quarter can be an annual compliance summary for the preceding year.</u> The quarterly and annual compliance summary reports shall contain the following information: (a) Operating parameters of emission control equipment, including but not limited to ammonia injection rate, NOx emission rate and ammonia slip. (b) Total plant operation time (hours), number of startups, hours in cold startup, hours in warm startup, hours in hot startup, and hours in shutdown. (c) Date and time of the beginning and end of each startup and shutdown period. (d) Average plant operation schedule (hours per day, days per week, weeks per year). (e) All continuous emissions data reduced and reported in accordance with the District approved CEMS protocol. (f) Maximum hourly, maximum daily, total quarterly, and total calendar year emissions of NOx, CO, PM10, POC and SOx (including calculation protocol). (g) Fuel sulfur content (monthly laboratory analyses, monthly natural gas sulfur content reports from the natural gas supplier(s), or the results of a custom fuel monitoring schedule approved by the District. (h) A log of all excess emissions, including the information regarding malfunctions/breakdowns. (i) Any permanent changes made in the plant process or production, which would affect air pollutant emissions, and indicate when changes were made. (j) Any maintenance to any air pollutant control system (recorded on an as performed basis). In addition, this information shall be maintained on site for a minimum of five (5) years and shall be provided to District personnel on request.	30	After end of the reporting period				Not Started
AQ	20	Ops	Quarterly Annual	The owner/operator shall ensure that the regulated air pollutant mass emission rates from each of the gas turbines (S-1 & S-3) during a start-up does not exceed the limits established below. (PSD)	The project owner shall submit to the District and CPM the quarterly and annual compliance reports as required by AQ-19.	N/A	N/A				Not Started

AQ	21	Ops	Quarterly Annual	The owner/operator shall not perform combustor tuning on gas turbines more than once every rolling 365 day period for each S-1 and S-3. The owner/operator shall notify the District no later than 7 days prior to combustor tuning activity. (Offsets, Cumulative Emissions)	The project owner shall submit to the District and CPM the quarterly and annual compliance reports as required by AQ-19.	N/A	N/A			Not Started
AQ	22	Ops	Quarterly Annual	The owner/operator shall not allow total combined emissions from the gas turbines and HRSGs (S-1, S-2, S-3 & S-4), S-5 Cooling Tower, and S-6 Fire Pump Diesel Engine, including emissions generated during gas turbine start-ups, combustor tuning, and shutdowns to exceed the following limits during any calendar day: (a) 1,453 pounds of NOx (as NO2) per day. (Cumulative Emissions) (b) 1,225 pounds of NOx per day during ozone season from June 1 to September 30. (CEC Condition of Certification) (c) 7,360 pounds of CO per day (PSD) (d) 295 pounds of POC (as CH4) per day (Cumulative Emissions) (e) 413 pounds of PM10 per day (PSD) (f) 292 pounds of SO2 per day (BACT)	The project owner shall submit to the District and CPM the quarterly and annual compliance reports as required by AQ-19.	N/A	N/A			Not Started
AQ	23	Ops	Quarterly Annual	The owner/operator shall not allow cumulative combined emissions from the gas turbines and HRSGs (S-1, S-2, S-3 & S-4), S-5 Cooling Tower, and S-6 Fire Pump Diesel Engine, including emissions generated during gas turbine start-ups, combustor tuning, and shutdowns to exceed the following limits during any consecutive twelve-month period: (a) 127 tons of NOx (as NO2) per year (Offsets, PSD) (b) 330 tons of CO per year (Cumulative Increase, PSD) (c) 28.5 tons of POC (as CH4) per year (Offsets) (d) 71.8 tons of PM10 per year (Cumulative Increase, PSD) (e) 12.2 tons of SO2 per year (Cumulative Increase, PSD)	The project owner shall submit to the District and CPM the quarterly and annual compliance reports as required by AQ-19.	N/A	N/A			Not Started
AQ	24	Ops	Quarterly Annual	The owner/operator shall not allow sulfuric acid emissions (SAM) from stacks P-1 and P-2 combined to exceed 7 tons in any consecutive 12 month period. (Basis: PSD)	The project owner shall submit to the District and CPM the quarterly and annual compliance reports as required by AQ-19.	N/A	N/A			Not Started
AQ	25	Ops	Quarterly Annual	The owner/operator shall not allow the maximum projected annual toxic air contaminant emissions (per AQ-28) from the gas turbines and HRSGs (S-1, S-2, S-3 & S-4) combined to exceed the following limits: formaldehyde 10,912 pounds per year benzene 226 pounds per year specified polycyclic aromatic hydrocarbons (PAHs) 1.8 pounds per year unless the following requirement is satisfied: The owner/operator shall perform a health risk assessment to determine the total facility risk using the emission rates determined by source testing and the most current Bay Area Air Quality Management District approved procedures and unit risk factors in effect at the time of the analysis. The owner/operator shall submit the risk analysis to the District and the CPM within 60 days of the source test date. The owner/operator may request that the District and the CPM revise the carcinogenic compound emission limits specified above. If the owner/operator demonstrates to the satisfaction of the APCO that these revised emission limits will not result in a significant cancer risk, the District and the CPM may, at their discretion, adjust the carcinogenic compound emission limits listed above. (Regulation 2, Rule 5.)	The project owner shall submit to the District and CPM the quarterly and annual compliance reports as required by AQ-19.	N/A	N/A			Not Started
AQ	26	All		The owner/operator shall demonstrate compliance with AQ-19 through AQ-23(a) through (d), AQ-20, AQ-22(a) and (b), AQ-23(a) and (b) by using properly operated and maintained continuous monitors (during all hours of operation including gas turbine start-up, combustor tuning, and shutdown periods) for all of the following parameters: (a) Firing Hours and Fuel Flow Rates for each of the following sources: S-1 & S-3 combined, S-2 & S-4 combined. (b) Oxygen (O2) concentration, Nitrogen Oxides (NOx) concentration, and Carbon Monoxide (CO) concentration at exhaust points P-1 and P-2. (c) Ammonia injection rate at A-1 and A-3 SCR Systems The owner/operator shall record all of the above parameters every 15 minutes (excluding normal calibration periods) and shall summarize all of the above parameters for each clock hour. For each calendar day, the owner/operator shall calculate and record the total firing hours, the average hourly fuel flow rates, and pollutant emission concentrations. The owner/operator shall use the parameters measured above and District approved calculation methods to calculate the following parameters: (d) Heat Input Rate for each of the following sources: S-1 & S-3 combined, S-2 & S-4 combined. (e) Corrected NOx concentration, NOx mass emission rate (as NO2), corrected CO concentration, and CO mass emission rate at each of the following exhaust points: P-1 and P-2. For each source, source grouping, or exhaust point, the owner/operator shall record the parameters specified in AQ-26(d) and (e) at least once every 15 minutes (excluding normal calibration periods). As specified below, the owner/operator shall calculate and record the following data: (f) total heat input rate for every clock hour. (g) on an hourly basis, the cumulative total heat input rate for each calendar day for the following: each gas turbine and associated HRSG combined and all four sources (S-1, S-2, S-3 and S-4) combined. (h) the average NOx mass emission rate (as NO2), CO mass emission rate, and corrected NOx and CO emission concentrations for every clock hour. (i) on an hourly basis, the cumulative total NOx mass emissions (as NO2) and the cumulative total CO mass emissions, for each calendar day for the following: each gas turbine and associated HRSG combined and all four sources (S-1, S-2, S-3 and S-4) combined. (j) For each calendar day, the average hourly heat input rates, corrected NOx emission concentration, NOx mass emission rate (as NO2), corrected CO emission concentration, and	At least 30 days before first fire, the project owner shall submit to the CPM a plan on how the measurements and recordings required by this condition will be performed.	30	Prior to first fire			Not Started
AQ	27	Ops	Quarterly Annual	To demonstrate compliance with conditions AQ-19(f) thru (h), AQ-22(c) thru (e), and AQ-23(c) thru (e), the owner/operator shall calculate and record on a daily basis, the Precursor Organic Compound (POC) mass emissions, Fine Particulate Matter (PM10) mass emissions (including condensable particulate matter), and Sulfur Dioxide (SO2) mass emissions from each power train. The owner/operator shall use the actual heat input rates measured pursuant to AQ-26, actual gas turbine start-up times, actual gas turbine shutdown times, and CEC and District-approved emission factors developed pursuant to source testing under AQ-30 to calculate these emissions. The owner/operator shall present the calculated emissions in the following format: (a) For each calendar day, POC, PM10, and SO2 emissions, summarized for each power train (gas turbine and its respective HRSG combined) and all four sources (S-1, S-2, S-3 & S-4) combined (b) on a daily basis, the cumulative total POC, PM10, and SO2 mass emissions, for each year for all eight sources (S-1, S-2, S-3 & S-4) combined (Offsets, PSD, Cumulative Increase)	The project owner shall submit to the District and CPM the quarterly and annual compliance reports as required by AQ-19.	N/A	N/A			Not Started

AQ	28	Ops	Quarterly Annual	To demonstrate compliance with AQ-25, the owner/operator shall calculate and record on an annual basis the maximum projected annual emissions of: Formaldehyde, Benzene, and Specified PAH's. The owner/operator shall calculate the maximum projected annual emissions using the maximum annual heat input rate of 35,708,858 MM BTU/year and the highest emission factor (pounds of pollutant per MM BTU of heat input) determined by any source test of the S-1 and S-3 gas turbines and/or S-2 and S-4 HRSGs. If the highest emission factor for a given pollutant occurs during minimum-load turbine operation, a reduced annual heat input rate may be utilized to calculate the maximum projected annual emissions to reflect the reduced heat input rates during gas turbine start-up and minimum-load operation. The reduced annual heat input rate shall be subject to District review and approval. (Regulation 2, Rule 5)	The project owner shall submit to the District and CPM the quarterly and annual compliance reports as required by AQ-19.	N/A	N/A			Not Started
AQ	29	Ops		District-approved source test on exhaust point P-1 or P-2 to determine the corrected ammonia (NH3) emission concentration to determine compliance with AQ-19(e). The source test shall determine the correlation between the heat input rates of the gas turbine and associated HRSG, A-2 or A-4 SCR System ammonia injection rate, and the corresponding NH3 emission concentration at emission point P-1 or P-2. The source test shall be conducted over the expected operating range of the turbine and HRSG (including, but not limited to, minimum and full load modes) to establish the range of ammonia injection rates necessary to achieve NOx emission reductions while maintaining ammonia slip levels. The owner/operator shall repeat the source testing on an annual basis thereafter. Ongoing compliance with AQ-19(e) shall be demonstrated through calculations of corrected ammonia concentrations based upon the source test correlation and continuous records of ammonia injection rate.	The project owner shall notify the District and the CPM within seven (7) working days before the execution of the source tests required in this condition.	7	Prior to testing			Not Started
AQ	29	Ops		The owner/operator shall submit the source test results to the District and the CPM within 60 days of conducting the tests. (Regulation 2, Rule 5)	Source test results shall be submitted to the District and to the CPM within 60 days of the date of the tests.	60	After testing			Not Started
AQ	30	Ops		Within 90 days of start-up of the RCEC and on an annual basis thereafter, the owner/operator shall conduct a District-approved source test on exhaust points P-1 and P-2 while each gas turbine and associated Heat Recovery Steam Generator are operating at maximum load to determine compliance with AQ-19(a),(b),(c),(d),(f),(g), and (h) and while each gas turbine and associated Heat Recovery Steam Generator are operating at minimum load to determine compliance with AQ-19(c) and (d), and to verify the accuracy of the continuous emission monitors required in AQ-26. The owner/operator shall test for (as a minimum): water content; stack gas flow rate; oxygen concentration; precursor organic compound concentration and mass emissions; nitrogen oxide concentration and mass emissions (as NO2); carbon monoxide concentration and mass emissions; sulfur dioxide concentration and mass emissions; methane; ethane; and, particulate matter (PM10) emissions, including condensable particulate matter.	The project owner shall notify the District and the CPM within seven (7) working days before the execution of the source tests required in this condition.	7	Prior to testing			Not Started
AQ	30	Ops		The owner/operator shall submit the source test results to the District and the CPM within 60 days of conducting the tests. (BACT, offsets)	Source test results shall be submitted to the District and to the CPM within 60 days of the date of the tests.	60	After testing			Not Started
AQ	31	Ops		The owner/operator shall obtain approval for all source test procedures from the District's Source Test Section and the CPM prior to conducting any tests. The owner/operator shall comply with all applicable testing requirements for continuous emission monitors as specified in Volume V of the District's Manual of Procedures. The owner/operator shall notify the District's Source Test Section and the CPM in writing of the source test protocols and projected test dates at least 7 days prior to the testing date(s). As indicated above, the owner/operator shall measure the contribution of condensable PM (back half) to the total PM10 emissions. However, the owner/operator may propose alternative measuring techniques to measure condensable PM such as the use of a dilution tunnel or other appropriate method used to capture semi-volatile organic compounds.	Approval of the source test procedures, as required in AQ-31, and the source test reports shall be deemed as verification for this condition. The project owner shall notify the District and the CPM within seven (7) working days before the execution of the source tests required in this condition.	7	Prior to testing			Not Started
AQ	31	Ops		The owner/operator shall submit the source test results to the District and the CPM within 60 days of conducting the tests. (BACT)	Source test results shall be submitted to the District and to the CPM within 60 days of the date of the tests.	60	After testing			Not Started
AQ	32	Ops		Within 90 days of start-up of the RCEC and on a biennial basis (once every two years) thereafter, the owner/operator shall conduct a District-approved source test on exhaust point P-1 or P-2 while the gas turbine and associated Heat Recovery Steam Generator are operating at maximum allowable operating rates to demonstrate compliance with AQ-25. The owner/operator shall also test the gas turbine while it is operating at minimum load. <u>If three consecutive biennial source tests demonstrate that the annual emission rates calculated pursuant to AQ-25 for any of the compounds listed below are less than the BAAQMD trigger levels, pursuant to Regulation 2, Rule 5, shown, then the owner/operator may discontinue future testing for that pollutant:</u> Benzene ≤6.4 pounds/year and 2.9 pounds/hour Formaldehyde <30 pounds/year and 0.21 pounds/hour Specified PAHs ≤0.011 pounds/year (Regulation 2, Rule 5)	The project owner shall notify the District and the CPM within seven (7) working days before the execution of the source tests required in this condition.	7	Prior to testing			Not Started
AQ	32	Ops			Source test results shall be submitted to the District and to the CPM within 60 days of the date of the tests.	60	After testing			Not Started
AQ	33	Ops		The owner/operator shall calculate the SAM emission rate using the total heat input for the sources and the highest results of any source testing conducted pursuant to AQ-30. <u>If this SAM mass emission limit of AQ-24 is exceeded, the owner/operator must utilize air dispersion modeling to determine the impact (in µg/m3) of the sulfuric acid mist emissions pursuant to Regulation 2-2-306. (PSD)</u>	The project owner shall notify the District and the CPM within seven (7) working days before the execution of the source tests required in this condition.	7	Prior to testing			Not Started
AQ	33	Ops			Source test results shall be submitted to the District and to the CPM within 60 days of the date of the tests.	60	After testing			Not Started
AQ	34	All		Within 90 days of start-up of the RCEC and on a semi-annual basis (twice per year) thereafter, the owner/operator shall conduct a District-approved source test on exhaust points P-1 and P-2 while each gas turbine and HRSG duct burner is operating at maximum heat input rates to demonstrate compliance with the SAM emission rates specified in AQ-24. The owner/operator shall test for (as a minimum) SO2, SO3, and H2SO4. <u>After acquiring one year of source test data on these sources, the owner/operator may petition the District to reduce the test frequency to an annual basis if test result variability is sufficiently low as determined by the District.</u>	The project owner shall notify the District and the CPM within seven (7) working days before the execution of the source tests required in this condition.	7	Prior to testing			Not Started
AQ	34	All		The owner/operator shall submit the source test results to the District and the CPM within 60 days of conducting the tests. (PSD)	Source test results shall be submitted to the District and to the CPM within 60 days of the date of the tests.	60	After testing			Not Started
AQ	35	Ops		The owner/operator of the RCEC shall submit all reports (including, but not limited to monthly CEM reports, monitor breakdown reports, emission excess reports, equipment breakdown reports, etc.) as required by District Rules or Regulations and in accordance with all procedures and time limits specified in the Rule, Regulation, Manual of Procedures, or Enforcement Division Policies & Procedures Manual. (Regulation 2-6-502)	The project owner shall submit to the District and CPM the reports as required by procedures and time limits specified in the Rule, Regulation, Manual of Procedures, or Enforcement Division Policies & Procedures Manual.	N/A	N/A			Not Started

AQ	36	All		The owner/operator of the RCEC shall maintain all records and reports on site for a minimum of 5 years. These records shall include but are not limited to: continuous monitoring records (firing hours, fuel flows, emission rates, monitor excesses, breakdowns, etc.), source test and analytical records, natural gas sulfur content analysis results, emission calculation records, records of plant upsets and related incidents. The owner/operator shall make all records and reports available to District and the CPM staff upon request. (Regulation 2-6-501)	During site inspection, the project owner shall make all records and reports available to the District, ARB, EPA or CEC staff.	N/A	N/A				Not Started
AQ	37	All	Quarterly Annual	The owner/operator of the RCEC shall notify the District and the CPM of any violations of these permit conditions. Notification shall be submitted in a timely manner, in accordance with all applicable District Rules, Regulations, and the Manual of Procedures. Notwithstanding the notification and reporting requirements given in any District Rule, Regulation, or the Manual of Procedures, the owner/operator shall submit written notification (facsimile is acceptable) to the Enforcement Division within 96 hours of the violation of any permit condition. (Regulation 2-1-403)	Submission of these notifications as required by this condition is the verification of these permit conditions. In addition, as part of the quarterly and annual compliance reports of AQ-19, the project owner shall include information on the dates when these violations occurred and when the project owner notified the District and the CPM.	N/A	N/A				Not Started
AQ	41	Ops		Pursuant to BAAQMD Regulation 2, Rule 6, section 404.1, the owner/operator of the RCEC shall submit an application to the BAAQMD for a major facility review permit within 12 months of completing construction as demonstrated by the first firing of any gas turbine or HRSG duct burner. (Regulation 2-6-404.1)	The project owner shall submit to the CPM copies of the Federal (Title IV) Acid Rain and (Title V) Operating Permit within 30 days after they are issued by the District.	30	After issuance				Not Started
AQ	43	Constr		The owner/operator shall ensure that the Russell City Energy Center complies with the continuous emission monitoring requirements of 40 CFR Part 75. (Regulation 2, Rule 7)	At least 60 days prior to the installation of the CEMS, the project owner shall seek approval from the District for an emission monitoring plan.	60	Prior to start of installation				Not Started
AQ	45	Ops	Quarterly Annual	The owner/operator shall perform a visual inspection of the cooling tower drift eliminators at least once per calendar year, and repair or replace any drift eliminator components which are broken or missing. Prior to the initial operation of the Russell City Energy Center, the owner/operator shall have the cooling tower vendor's field representative inspect the cooling tower drift eliminators and certify that the installation was performed in a satisfactory manner. Within 60 days of the initial operation of the cooling tower, the owner/operator shall perform an initial performance source test to determine the PM10 emission rate from the cooling tower to verify compliance with the vendor-guaranteed drift rate specified in AQ-44. The CPM may require the owner/operator to perform source tests to verify continued compliance with the vendor-guaranteed drift rate specified in AQ-44. (PSD)	The project owner shall submit to the District and CPM the quarterly and annual compliance reports as required by AQ-19.	N/A	N/A				Not Started
AQ	46	Ops	Quarterly Annual	The owner/operator shall not operate S-6 Fire Pump Diesel Engine more than 50 hours per year for reliability-related activities. ("Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)(3) or (e)(2)(B)(3), offsets)	The project owner shall submit to the District and CPM the quarterly and annual compliance reports as required by AQ-19.	N/A	N/A				Not Started
AQ	47	Ops	Quarterly Annual	The owner/operator shall operate S-6 Fire Pump Diesel Engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, State or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating hours while mitigating emergency conditions or while emission testing to show compliance with District, State or Federal emission limits is not limited. ("Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 9e)(2)(A)(3) or (e)(2)(B)(3))	The project owner shall submit to the District and CPM the quarterly and annual compliance reports as required by AQ-19.	N/A	N/A				Not Started
AQ	48	Ops	Quarterly Annual	The owner/operator shall operate S-6 Fire Pump Diesel Engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained. ("Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(4)(G)(1), cumulative increase)	The project owner shall submit to the District and CPM the quarterly and annual compliance reports as required by AQ-19.	N/A	N/A				Not Started
AQ	49	All		Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 60 months from the date of entry. Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request. a. Hours of operation for reliability-related activities (maintenance and testing). b. Hours of operation for emission testing to show compliance with emission limits. c. Hours of operation (emergency). d. For each emergency, the nature of the emergency condition. e. Fuel usage for each engine(s). (Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(4)(I), cumulative increase)	During site inspection, the project owner shall make all records and reports available to the District, ARB, EPA or CEC staff.	N/A	N/A				Not Started
PH	1	Comm		The project owner shall develop, implement, and submit to the CPM for review and approval a Cooling Water Management Plan to ensure that the potential for bacterial growth in cooling water is controlled. The Plan shall be consistent with either Staff's "Cooling Water Management Program Guidelines" or with the Cooling Technology Institute's "Best Practices for Control of Legionella" guidelines but in either case, the Plan must include sampling and testing for the presence of Legionella bacteria at least every six months. After two years of power plant operations, the project owner may ask the Compliance Project Manager (CPM) to re-evaluate and revise the Legionella bacteria testing requirement.	At least 60 days prior to the commencement of cooling tower operations, the Cooling Water Management Plan shall be provided to the CPM for review and approval.	60	Prior to start of				Not Started
HAZ	1	All	Annual	The project owner shall not use any hazardous material in any quantity or strength not listed in Tables 3.5-1 and 3.5-2 of the amendment unless reviewed in advance by the Hayward Fire Department and approved in advance by the CPM.	The project owner shall provide to the Compliance Project Manager (CPM), in the Annual Compliance Report, a list of all hazardous materials contained at the facility.	N/A	N/A				Not Started
HAZ	1	All			If any changes are requested, the project owner shall do so in writing, with a copy to the Hayward Fire Department, at least 30 days before the change is needed, to the CPM for approval.	30	Prior to proposed change				Not Started
HAZ	2	Constr		The project owner shall provide a Risk Management Plan (RMP) and a Hazardous Materials Business Plan (HMBP), (that shall include the proposed building chemical inventory as per the UFC) to the City of Hayward Fire Department and the CPM for review at the time the RMP plan is first submitted to the U.S. Environmental Protection Agency (EPA). The project owner shall include all recommendations of the City of Hayward Fire Department and the CPM in the final documents. A copy of the final plans, including all comments, shall be provided to the City of Hayward and the CPM once EPA approves the RMP.	At least 60 days prior to construction of hazardous materials storage facilities and control systems, the project owner shall provide the final plans (RMP and HMBP) listed above and accepted by the City of Hayward to the CPM for approval.	60	Prior to construction of				In Progress
HAZ	3	Comm		The project owner shall develop and implement a Safety Management Plan (SMP) for delivery of ammonia and other liquid hazardous materials. The plan shall include procedures, protective equipment requirements, training and a checklist. It shall also include a section describing all measures to be implemented to prevent mixing of incompatible hazardous materials including provisions to maintain lockout control by a power plant employee not involved in the delivery or transfer operation. This plan shall be applicable during construction, commissioning, and operation of the power plant and shall be submitted to the CPM for review and approval.	At least sixty (60) days prior to the delivery of any liquid hazardous material to the facility, the project owner shall provide a SMP as described above to the CPM for review and approval.	60	Prior to delivery	3/22/2012			Submitted

HAZ	4	Comm	The aqueous ammonia storage facility shall be designed and built to either the ASME Pressure Vessel Code and ANSI K61.6 or to API 620. In either case, the storage tank shall be protected by a secondary containment basin capable of holding 125 percent of the storage volume or the storage volume plus the volume associated with 24 hours of rain assuming the 25-year storm, and shall be covered so that only drain holes or spaces or vents are open to the atmosphere. The aqueous ammonia tanker truck transfer pad shall be designed so that any spill drains to the covered secondary containment structure. The final design drawings and specifications for the ammonia storage tank, the tanker truck transfer pad, and secondary containment basin shall be submitted to the CPM for review and approval.	At least sixty (60) days prior to delivery of aqueous ammonia to the facility, the project owner shall submit final design drawings and specifications for the ammonia storage tank, the tanker truck transfer pad, and secondary containment basin(s) to the CPM for review and approval.	60	Prior to delivery				Not Started
HAZ	5	Comm	The project owner shall ensure that no combustible or flammable material is stored, used, or transported within 50 feet of the sulfuric acid tank.	At least sixty (60) 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.	60	Prior to delivery				Not Started
HAZ	6	Comm	The project owner shall direct all vendors delivering aqueous ammonia to the site to use only tanker truck transport vehicles, which meet or exceed the specifications of DOT Code MC-307.	At least sixty (60) days prior to receipt of aqueous ammonia on site, the project owner shall submit copies of the notification letter to supply vendors indicating the transport vehicle specifications to the CPM for review and approval.	60	Prior to delivery				Not Started
HAZ	7	All	The project owner shall direct all vendors delivering any hazardous material to the site to use only the route approved by the CPM (SR92 to Clawlitter to Depot Road to the facility).	At least sixty (60) days prior to receipt of any hazardous materials on site, 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.	60	Prior to delivery				Not Started
HAZ	7	All	If the route must be changed for any reason, the project owner shall obtain the review and approval of the CPM not later than ten (10) days before the next shipment of hazardous materials is due to arrive at the facility and shall notify the Hayward Fire Department at the same time a request for route change is submitted to the CPM.	Any change to the route must be reviewed and approved by the CPM and must be made in writing not less than ten (10) days prior to the next shipment of hazardous materials to the facility.	10	Prior to proposed change				Not Started
HAZ	8	All	The project owner shall ensure that the portion of the natural gas pipeline owned by the project undergo a complete design review and detailed inspection 30 years after initial installation and each 5 years thereafter.	At least thirty days prior to the initial flow of gas in the pipeline, the project owner shall provide a detailed plan to accomplish a full and comprehensive pipeline design review to the CPM for review and approval. This plan shall be amended, as appropriate, and submitted to the CPM for review and approval, not later than one year before the plan is implemented.	30	Prior to initial gas flow				Not Started
HAZ	9	All	After any significant seismic event in the area where surface rupture occurs within one mile of the pipeline, the gas pipeline portion owned by the project shall be inspected by the project owner.	At least thirty days prior to the initial flow of gas in the pipeline, the project owner shall provide to the CPM a detailed plan to accomplish a full and comprehensive inspection of that portion of the pipeline owned by the project in the event of an earthquake for review and approval.	30	Prior to initial gas flow				Not Started
HAZ	9	All		This plan shall be amended, as appropriate, and submitted to the CPM for review and approval, at least every five years.	N/A	N/A				Not Started
HAZ	11	Comm	Ammonia sensors shall be installed, operated, and maintained around the aqueous ammonia storage tank and tanker truck transfer pad. The number, specific locations, and specifications of the ammonia sensors shall be submitted to the CPM for review and approval.	At least sixty (60) days prior to delivery of aqueous ammonia to the facility, the project owner shall submit final design drawings showing the number, location, and specifications of the ammonia sensors to the CPM for review and approval.	60	Prior to delivery				Not Started
HAZ	13	Comm	In order to determine the level of security appropriate for this power plant, the project owner shall prepare a Vulnerability Assessment and submit that assessment as part of the Operations Security Plan to the CPM for review and approval. The Vulnerability Assessment shall be prepared according to guidelines issued by the North American Electrical Reliability Council (NERC 2002), the U.S. Department of Energy (DOE 2002), and the U.S. Department of Homeland Security regulations published in the Federal Register (Interim Final Rule 6 CFR Part 27). Physical site security shall be consistent with the guidelines issued by the NERC (Version 1.0, June 14, 2002), the U. S. Department of Homeland Security (6 CFR Part 27), and the DOE (2002) and will also be based, in part, on the use, storage, and quantity of hazardous materials present at the facility. The project owner shall also prepare a site-specific Security Plan for the operational phase that shall be made available on-site to the CPM for review and approval. The project owner shall implement site security measures addressing physical site security and hazardous materials storage. The level of security to be implemented will be determined by the results of the Vulnerability Assessment but in no case shall the level of security be less than that described as below (as per NERC 2002). The Operation Security Plan shall include the following: 1. Permanent full perimeter fence or wall, at least 8 feet high; 2. Main entrance security gate, either hand operable or motorized; 3. Evacuation procedures; 4. Protocol for interfacing with local, state, and federal law enforcement, contacting law enforcement and the CPM in the event of suspicious activity or emergency, and participating in emergency response in the event of a terrorist attack upon the power plant; 5. Written standard procedures for employees, contractors and vendors when encountering suspicious objects or packages on-site or off-site; 6. a. A statement (refer to sample, attachment "A") signed by the project owner certifying that background investigations have been conducted on all project personnel. Background investigations shall be restricted to ascertain the accuracy of employee identity and employment history, and shall be conducted in accordance with state and federal law regarding security and privacy; b. A statement(s) (refer to sample, attachment "B") signed by the contractor or authorized representative(s) for any permanent contractor or other technical contractor (as determined by	At least 30 days prior to the initial receipt of hazardous materials on-site, the project owner shall notify the cpm that a site-specific vulnerability assessment and operations site security plan are available for review and approval.	30	Prior to delivery				Not Started
SAFETY	2	Comm	The project owner shall submit to the CPM a copy of the Project Operations and Maintenance Safety and Health Program containing the following: an Operation Injury and Illness Prevention Plan; an Emergency Action Plan; Hazardous Materials Management Program; Fire Protection and Prevention Program (8 CCR § 3221); and; Personal Protective Equipment Program (8 CCR §§ 3401-3411). The Operation Fire Protection Plan and the Emergency Action Plan shall also be submitted to the City of Hayward Fire Department for review and comment.	At least 30 days prior to the start of operation, the project owner shall submit to the CPM a copy of the Project Operations and Maintenance Safety & Health Program.	30	Prior to commercial operation				Not Started

BIO	2	Constr	Monthly	<p>The Designated Biologist shall perform the following during any site (or related facilities) mobilization, ground disturbance, grading, construction, operation, and closure activities:</p> <ol style="list-style-type: none"> <li>1. Advise the project owner's Construction/Operation Manager, supervising construction and operations engineer on the implementation of the biological resources conditions of certification;</li> <li>2. Be available to supervise or conduct mitigation, monitoring, and other biological resources compliance efforts, particularly in areas requiring avoidance or containing sensitive biological resources, such as wetlands and special status species or their habitat;</li> <li>3. Clearly mark sensitive biological resource areas and inspect these areas at appropriate intervals for compliance with regulatory terms and conditions;</li> <li>4. Inspect active construction areas where animals may have become trapped prior to construction commencing each day. Inspect for the installation of structures that prevent entrapment or allow escape during periods of construction inactivity at the end of the construction day. Periodically inspect areas with high vehicle activity (parking lots) for animals in harms way. This inspection may be carried out by a person with qualifications in biological resources who is identified and selected by the Designated Biologist;</li> <li>5. Notify the project owner and the CPM of any non-compliance with any biological resources condition of certification; and</li> <li>6. Respond directly to inquiries of the CPM regarding biological resource issues.</li> </ol>	<p>The Designated Biologist shall maintain written records of the tasks described above, and summaries of these records shall be submitted in the Monthly Compliance Reports.</p>	N/A	N/A	Various	N/A	Ongoing
BIO	2	Ops	Annual		<p>During project operation, the Designated Biologist shall submit record summaries in the Annual Compliance Report.</p>	N/A	N/A			Not Started
BIO	3	All		<p>The project owner's Construction/Operation Manager shall act on the advice of the Designated Biologist to ensure conformance with the biological resources conditions of certification. If required by the Designated Biologist, the project owner's Construction/Operation Manager shall halt all site mobilization, ground disturbance, grading, construction, and operation activities in areas specified by the Designated Biologist.</p> <p>The Designated Biologist shall:</p> <ol style="list-style-type: none"> <li>1. Require a halt to all activities in any area when determined that there would be adverse impact to biological resources if the activities continued;</li> <li>2. Inform the project owner and the Construction/Operation Manager when to resume activities; and</li> <li>3. Notify the CPM if there is a halt of any activities, and advise the CPM of any corrective actions that have been taken, or will be instituted, as a result of the halt.</li> </ol>	<p>The Designated Biologist must notify the CPM immediately (and no later than the following morning of the incident, or Monday morning in the case of a weekend) of any non-compliance or a halt of any site mobilization, ground disturbance, grading, construction, and operation activities. The project owner shall notify the CPM of the circumstances and actions being taken to resolve the problem.</p>	1	After discovery			Ongoing
BIO	3	All			<p>Whenever corrective action is taken by the project owner, a determination of success or failure will be made by the CPM within five working days after receipt of notice that corrective action is completed, or the project owner will be notified by the CPM that coordination with other agencies will require additional time before a determination can be made.</p>	5	After receipt			Not Started
BIO	4	Constr			<p>The project owner shall notify the CPM five (5) working days before implementing any CPM approved modifications to the BRMIMP.</p>	5	Prior to proposed change			Not Started
BIO	4	Ops			<p>Within 30 days after completion of project construction, the project owner shall provide to the CPM for review and approval, a written report identifying which items of the BRMIMP have been completed, a summary of all modifications to mitigation measures made during the project's construction phase, and which mitigation and monitoring plan items are still outstanding.</p>	30	After completion			Not Started
BIO	5	Constr	Monthly		<p>The project owner shall state in the Monthly Compliance Report the number of persons who have completed the training in the prior month and keep record of all persons who have completed the training to date. The signed statements for the construction phase shall be kept on file by the project owner and made available for examination by the CPM for a period of at least six months after the start of commercial operation.</p>	N/A	N/A	Various	N/A	Ongoing
BIO	5	Ops			<p>During project operation, signed statements for active project operational personnel shall be kept on file for the duration of their employment and for six months after their termination.</p>	N/A	N/A	N/A	N/A	Not Started
BIO	11	Closure		<p>The project owner will incorporate into the planned permanent or unexpected permanent closure plan measures that address the local biological resources. The biological resource facility closure measures will also be incorporated into the project Biological Resources Mitigation Implementation and Monitoring Plan.</p>	<p>At least 12 months (or a mutually agreed upon time) prior to the commencement of closure activities, the project owner shall address all biological resource-related issues associated with facility closure in a Biological Resources Element. The Biological Resources Element will be incorporated into the Facility Closure Plan, and include a complete discussion of the local biological resources and proposed facility closure mitigation measures.</p>	365	Prior to closure			Not Started
BIO	13	Constr		<p>Bird flight diverters will be placed on all overhead ground wires associated with the RCEC power plant.</p> <p>• During construction of the RCEC transmission line, bird flight diverters will be installed to manufacturer's specification. Energy Commission staff, in consultation with the USFWS and CDFG, will provide final approval of the bird flight diverter to be installed. Staff recommends that the Swan Flight Diverter be given careful consideration when making a decision about which diverter is to be installed.</p>	<p>No less than 7 days prior to energizing the new RCEC transmission line, the project owner will provide photographic verification to the Energy Commission CPM that bird flight diverters have been installed to manufacturer's specifications. A discussion of how the bird flight diverters will be maintained during the life of the project will be included in the project's BRMIMP.</p>	7	Prior to energization			In Progress
SW	1	Constr	Monthly		<p>The project owner shall provide in the monthly compliance report a narrative on the effectiveness of the drainage, erosion and sediment control measures; the results of monitoring and maintenance activities; and the dates of any dewatering activities.</p>	N/A	N/A	Various	Various	Ongoing
SW	3	Ops		<p>The project owner shall comply with the requirements of the General NPDES Permit for Discharges of Storm Water Associated with Industrial Activity. The project owner shall develop and implement a Storm Water Pollution Prevention Plan (SWPPP) for the operation of the RCEC. The Industrial SWPPP shall abide by the City of Hayward's Stormwater Management and Urban Runoff Control Ordinances (Chapter 11, Article 5) set forth in NPDES Permit No. CA0029831.</p>	<p>The project owner shall submit to the CPM a copy of the Industrial SWPPP that includes all requirements of Hayward Municipal Code Chapter 11, Article 5 for Stormwater Management and Urban Runoff Control prior to commercial operation and retain a copy on-site. The project owner shall submit copies to the CPM of all correspondence between the project owner and the City about the City's Stormwater Management and Urban Runoff Control Ordinances and the General NPDES permit for the Discharge of Stormwater Associated with Industrial Activity within 10 days of its receipt or submittal. The Industrial SWPPP shall include a copy of the Notice of Intent for the project.</p>	10	After receipt			Not Started

SW	4	Constr		<p>The project owner shall use tertiary-treated water supplied from the on-site Title 22 Recycled Water Facility (RWF) as its primary source for cooling and process water supply. Potable water may be used for cooling and process purposes only in the event of an unavoidable interruption of the on-site Title 22 RWF supply or secondary effluent from the City of Hayward, but not to exceed 45 days (1080 hours) in any one operational year. However, potable water may be used for cooling and process purposes in excess of 45 days per calendar year if an unavoidable interruption of the Title 22 RWF supply is due to an Act of God, a natural disaster, an unforeseen emergency or other unforeseen circumstance outside the control of the project owner. If one of the aforementioned unavoidable interruptions should occur, the CPM, project owner and the City of Hayward shall confer and determine how best to restore the Title 22 RWF supply as soon as practicable. Potable water used for domestic purposes shall be metered separately from potable water used for cooling and process water supply. The project owner will notify the CPM in writing if potable water is used for cooling or process purposes and provide an explanation of why the back-up supplies are being used.</p> <p>The RCEC will use tertiary recycled water for all non-potable uses including landscape irrigation. The RCEC will comply with requirements of Title 22 and Title 17 California Code of Regulations. Prior to the use of recycled water for any purpose, the owner shall submit a Title 22 Engineering Report that has been approved by the Department of Health Services (DHS) and the San Francisco Bay Regional Water Quality Control Board (SFRWQCB).</p> <p>The project owner shall prepare and submit to the CPM an annual summary that will include the monthly range and monthly average of daily water usage in gallons per day, and total water (range and average) used by the project on a monthly and annual basis in acre-feet. The annual summary shall distinguish sources (recycled or potable) and the uses (cooling, process, domestic, etc.) of the specified source. The project owner will obtain copies of project water use records derived from the City of Hayward's recycled and potable revenue meters.</p>	<p>Prior to the use of recycled water for any purpose the project owner shall submit to the CPM the water supply and distribution system design and the Engineering Report for the Production, Distribution and Use of Recycled Water approved by DHS and the SFRWQCB demonstrating compliance with this condition. The recycled water supply and distribution system design shall be included in the final design drawings submitted to the CBO as required in Condition of Certification Civil 1.</p> <p>The Engineering Report for the Production, Distribution and Use of Recycled Water shall be prepared in accordance with Title 22 and Title 17 of the California Code of Regulations, the Health and Safety Code, and the Water Code. The project owner shall comply with any reporting and inspection requirements set forth by DHS and the SFRWQCB to fulfill statutory requirements.</p>	N/A	Prior to use of				In Progress
SW	4	All			The project owner shall submit copies to the CPM of all correspondence between themselves and DHS or the SFRWQCB within 10 days of receipt or submittal.	10	After receipt				Not Started
SW	4	Ops	Annual		The project owner will submit as part of its annual compliance report a water use summary to the CPM on an annual basis for the life of the project.	N/A	N/A				Not Started
SW	4	All			Any significant changes in the water supply for the project during construction or operation of the plant shall be noticed in writing to the CPM at least 60 days prior to the effective date of the proposed change.	60	Prior to proposed change				Not Started
SW	6	Constr			Prior to the use of recycled water (secondary or tertiary treated) for any purpose, the project owner shall submit to the CPM two (2) copies of an executed and final Recycled Water Supply Agreement between the project owner and the City for the supply of secondary effluent. The Recycled Water Supply Agreement will include the Master Discharge Permit from the SFRWQCB for the production and delivery of recycled water by the WPCF.	N/A	Prior to use of				Not Started
SW	6	Ops			During operations, the project owner shall submit any water quality monitoring reports for potable or recycled water use required by the City to the CPM in the annual compliance report.	N/A	N/A				Not Started
SW	6	All			The project owner shall submit any notice of violations from the City to the CPM within ten (10) days of receipt and fully explain the corrective actions taken in the annual compliance report.	10	After receipt				Not Started
SW	6	All			The project owner shall submit any notice of violation of the agreements' terms and conditions to the CPM within ten (10) days of receipt and shall fully explain the corrective actions taken in the next monthly compliance report or annual compliance report, as appropriate.	10	After receipt				Not Started
SW	7	Ops		The project owner shall provide evidence of submittal of as-built plans to City of Hayward in order to obtain a final letter of map revision (LOMR).	Within sixty (60) days following the RCEC commercial operation date, the project owner shall submit to the CPM evidence of submittal of as-built plans to the City of Hayward in order to obtain a final letter of map revision (LOMR).	60	After completion				Not Started
SW	9	Comm		Prior to commercial operation, the project owner shall provide the CPM and the City of Hayward (City) with all the information and data necessary to satisfy the City's pretreatment requirements for the discharge of industrial and sanitary wastewater to the City's sewer system. The project owner shall provide the CPM with two (2) copies of an executed and final discharge permit for industrial and sanitary wastewater discharge in accordance with Municipal Code Section 11, Article 3 and any other service agreements with the City for discharge to the City's sanitary sewer system.	No later than sixty (60) days prior to commercial operation, the project owner shall submit the information and data required in accordance with Municipal Code Section 11, Article 3 and any other service agreements for wastewater discharge to the City's sanitary sewer system to the City for review and comment, and to the CPM for review and approval.	60	Prior to commercial operation				In Progress
SW	9	Ops	Annual	During operation, any monitoring reports provided to the City shall be provided to the CPM.	During operations, the project owner shall submit any water quality monitoring required by the City to the CPM in the annual compliance report.	N/A	N/A				Not Started
SW	9	Ops	Annual	The CPM shall be notified of any violations of discharge limits or amounts.	The project owner shall submit any notice of violations from the City to the CPM within ten (10) days of receipt and fully explain the corrective actions taken in the annual compliance report.	10	After receipt				Not Started
CUL	1	Constr			If additional monitors are obtained during the project, the CRS shall provide additional letters to the CPM, identifying the monitor and attesting to the monitor's qualifications. The letter shall be provided one week prior to the monitor beginning on-site duties.	7	Prior to start of	Various	Various		Ongoing
CUL	1	Constr			(4) At least 10 days prior to a termination or release of the CRS, or within 3 days after resignation of the CRS, the project owner shall submit the resume of the proposed new CRS to the CPM for review and approval. If there is no alternate CRS in place to conduct the duties of the CRS, a previously approved monitor may serve in place of a CRS so that construction may continue up to a maximum of 3 days without a CRS. If cultural resources are discovered, then construction will remain halted until there is a CRS or alternate CRS to make a recommendation regarding significance.	10	Prior to proposed change				Not Started
CUL	2	Constr		(3) 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.	(3) 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.	5	Prior to proposed change	Various	N/A		Ongoing
CUL	2	Constr	Monthly	A current schedule of anticipated project activity shall be provided to the CRS on a weekly basis during ground disturbance and provided to the CPM in each Monthly Compliance Report (MCR).	A copy of the current schedule of anticipated project activity shall be submitted in each MCR.	N/A	N/A	Various	Various		Ongoing
CUL	3	Constr			The CRR shall be submitted to the CPM within 90 days after completion of ground disturbance (including landscaping) for review and approval.	90	After completion				Not Started
CUL	3	Constr			Within 10 days after CPM approval, the project owner shall provide documentation to the CPM that copies of the CRR have been provided to the curating institution (if archaeological materials were collected), the SHPO and the CHRIS.	10	After approval				Not Started

CUL	4	Constr	Monthly	The project owner shall ensure that a Worker Environmental Awareness Training for all new employees shall be conducted prior to beginning and during periods of pre-construction site mobilization, construction ground disturbance, construction grading, boring, and trenching, and construction. The training may be presented in the form of a video. The training shall include a discussion of applicable laws and penalties under the law. Training shall also include samples or visuals of artifacts that might be found in the project vicinity and the information that the CRS, alternate CRS or monitor has the authority to halt construction in the event of a discovery or unanticipated impact to a cultural resource. The training shall also instruct employees to halt or redirect work in the vicinity of a find and to contact their supervisor and the CRS or monitor. An informational brochure shall be provided that identifies reporting procedures in the event of a discovery. Workers shall sign an acknowledgement form that they have received training and a sticker shall be placed on hard hats provided indicating that environmental training has been completed.	At a minimum, training for new employees shall be conducted on a weekly basis. Copies of acknowledgement forms signed by trainees shall be provided in the MCR.	N/A	N/A	Various	N/A	Ongoing
CUL	6	Constr		The project owner shall ensure that the CRS, alternate CRS, or monitors shall monitor ground disturbance full-time in the vicinity of the project site, linears and ground disturbance at laydown areas to ensure there are no impacts to undiscovered resources. In the event that the CRS determines that full-time monitoring is not necessary in certain locations, a letter or e-mail providing a detailed justification for that decision to reduce the level of monitoring shall be provided to the CPM for review and approval prior to any reduction in monitoring.	During the ground disturbance phases of the project, if the CRS wishes to reduce the level of monitoring occurring at the project, a letter identifying the area(s) where the CRS recommends the reduction and justifying the reductions in monitoring shall be submitted to the CPM for review and approval.	N/A	N/A	Various		Ongoing
CUL	6	Constr	Monthly	(1) Monitors shall keep a daily log of any monitoring or cultural resource activities and the CRS shall prepare a weekly summary report on the progress or status of cultural resources-related activities. The CRS may informally discuss cultural resource monitoring and mitigation activities with Energy Commission technical staff.	(1) During the ground disturbance phases of the project, the project owner shall include in the MCR to the CPM copies of the weekly summary reports prepared by the CRS regarding project-related cultural resources monitoring. Copies of daily logs shall be retained and made available for audit by the CPM as needed.	N/A	N/A	Various	N/A	Ongoing
CUL	6	Constr		(2) The CRS shall notify the project owner and the CPM, by telephone or email, of any incidents of non-compliance with any cultural resources conditions of certification within 24 hours of becoming aware of the situation. The CRS shall also recommend corrective action to resolve the problem or achieve compliance with the conditions of certification. (3) Cultural resources monitoring activities are the responsibility of the CRS. Any interference with monitoring activities, removal of a monitor from duties assigned by the CRS or direction to a monitor to relocate monitoring activities by anyone other than the CRS shall be considered non-compliance with these conditions of certification.	(2) Within 24 hours of recognition of a non-compliance issue, the CRS shall notify the CPM by telephone of the problem and of actions underway to resolve the problem. The telephone call shall be followed by an e-mail or fax detailing the non-compliance issue and the measures necessary to achieve resolution of the issue. Daily logs shall include forms detailing any instances of non-compliance with conditions of certification.	1	After discovery		Not Started	
CUL	6	Constr	Monthly		In the event of a non-compliance issue, a report written no sooner than two weeks after resolution of the issue that describes the issue, resolution of the issue and the effectiveness or the resolution measures, shall be provided in the next MCR.	14	After resolution		Not Started	
CUL	6	Constr		(4) A Native American monitor shall be obtained, at a minimum on an on call basis, to monitor ground disturbance in areas where Native American artifacts may be discovered as identified by the CRS. Informational lists of concerned Native Americans and Guidelines for monitoring shall be obtained from the Native American Heritage Commission. Preference in selecting a monitor shall be given to Native Americans with traditional ties to the area that will be monitored.	(3) One week prior to ground disturbance in areas where there is a potential to discover Native American artifacts, the project owner shall send notification to the CPM identifying the person(s) retained at a minimum, an on-call basis to conduct Native American monitoring. If efforts to obtain the services of a qualified Native American monitor are unsuccessful, the project owner shall immediately inform the CPM who will initiate a resolution process.	7	Prior to ground disturbance		Not Started	
GEO	1	Constr			If the Engineering Geologist(s) is subsequently replaced, the project Owner shall submit for approval the name(s), resume(s) and license number(s) of the newly assigned Engineering Geologist(s) to the CPM. The CPM will notify the project Owner of its findings within 15 days of receipt of the notice of personnel change.	15	Prior to proposed change		Not Started	
GEO	2	Constr			(2) Within 90 days following the completion of the final grading, the project Owner shall submit copies of the Final Geologic Report required by the 2001 CBC Appendix Chapter 33, Section 3318 Completion of Work, to the CBO, with a copy of the transmittal letter forwarded to the CPM.	90	After completion		Not Started	
PAL	1	Constr			At least 10 days prior to the termination or release of a designated Paleontologic Resource Specialist, the Project Owner shall obtain CPM approval of the replacement specialist by submitting to the CPM the name and resume of the proposed new designated Paleontologic Resource Specialist.	10	Prior to proposed change		Not Started	
PAL	1	Constr			Should emergency replacement of the designated specialist become necessary, the Project Owner shall immediately notify the CPM to discuss the qualifications of its proposed replacement specialist.	1	Prior to proposed change		Not Started	
PAL	3	Constr	Monthly		Documentation for training of additional new employees shall be provided in subsequent Monthly Compliance Reports.	N/A	N/A	Various	N/A	Ongoing
PAL	4	Constr	Monthly	The designated Paleontologic Resource Specialist or designee shall be present at all times he or she deems appropriate to monitor construction-related grading, excavation, trending, and/or auguring in areas where potentially fossil-bearing sediments have been identified. If the designated Paleontologic Resource Specialist determines that full-time monitoring is not necessary in certain portions of the project area or along portions of the linear facility routes, the designated specialist shall notify the Project Owner.	The Project Owner shall include in the Monthly Compliance Reports a summary of paleontologic activities conducted by the designated Paleontologic Resource Specialist.	N/A	N/A	Various	N/A	Ongoing
PAL	5	Constr		The Project Owner, through the designated Paleontologic Resource Specialist, shall ensure recovery, preparation for analysis, analysis, identification and inventory, the preparation for curation, and the delivery for curation of all significant paleontologic resource materials encountered and collected during the monitoring, data recovery, mapping, and mitigation activities related to the project.	The Project Owner shall maintain in its compliance files copies of signed contracts or agreements with the designated Paleontologic Resource Specialist and other qualified research specialists who will ensure the necessary data and fossil recovery, mapping, preparation for analysis, analysis, identification and inventory, and preparation for delivery of all significant paleontologic resource materials collected during data recovery and mitigation for the project. The Project Owner shall maintain these files for a period of three years after completion and approval of the CPM-approved Paleontologic Resources Report and shall keep these files available for periodic audit by the CPM.	N/A	N/A		Ongoing	
PAL	6	Constr		The Project Owner shall ensure preparation of a Paleontologic Resources Report by the designated Paleontologic Resource Specialist. The Paleontologic Resources Report shall be completed following completion of the analysis of the recovered fossil materials and related information. The Project Owner shall submit the paleontologic report to the CPM for approval.	The Project Owner shall submit a copy of the Paleontologic Resources Report to the CPM for review and approval, under a cover letter stating that it is a confidential document. The report is to be prepared by the designated Paleontologic Resource Specialist within 90 days following completion of the analysis of the recovered fossil materials.	90	After completion		Not Started	
PAL	7	Closure		The Project Owner shall include in the facility closure plan a description regarding potential impact to paleontologic resources by the closure activities. The conditions for closure will be determined when a facility closure plan is submitted to the CPM, twelve months prior to closure of the facility. If no activities are proposed that would potentially impact paleontologic resources, then no mitigation measures for paleontologic resource management are required in the facility closure plan.	The Project Owner shall include a description of closure activities described above in the facility closure plan.	N/A	N/A		Not Started	
WASTE	1	All		Upon becoming aware of any impending waste management-related enforcement action by any local, state, or federal authority, the project owner shall notify the CPM of any such action taken or proposed to be taken against the project itself, or against any waste hauler or disposal facility or treatment operator with which the owner contracts.	The project owner shall notify the CPM in writing within 10 days of becoming aware of an impending enforcement action. The CPM shall notify the project owner of any changes that will be required in the manner in which project-related wastes are managed.	10	After notification		Ongoing	

WASTE	2	Ops		Prior to the start of both construction and <b>operation</b> , the project owner shall prepare and submit to the CEC CPM, for review and comment, a waste management plan for all wastes generated during construction and operation of the facility, respectively. The plans shall contain, at a minimum, the following: A description of all waste streams, including projections of frequency, amounts generated and hazard classifications; and Methods of managing each waste, including treatment methods and companies contracted with for treatment services, waste testing methods to assure correct classification, methods of transportation, disposal requirements and sites, and recycling and waste minimization/reduction plans.	The Operation Waste Management Plan shall be submitted no less than 30 days prior to the start of project operation for approval.	30	Prior to commercial operation				Not Started
WASTE	2	Ops			The project owner shall submit any required revisions within 20 days of notification by the CPM (or mutually agreed upon date).	20	After notification				Not Started
WASTE	2	Ops	Annual		In the Annual Compliance Reports, the project owner shall document the actual waste management methods used during the year and provide a comparison of the actual methods used to those proposed in the original Operation Waste Management Plan.	N/A	N/A				Not Started
WASTE	4	Constr		If potentially contaminated soil is unearthed during excavation at either the proposed site or linear facilities as evidenced by discoloration, odor, detection by handheld instruments, or other signs, the Registered Professional Engineer or Geologist shall inspect the site, determine the need for sampling to confirm the nature and extent of contamination, and file a written report to the project owner and CPM stating the recommended course of action. Depending on the nature and extent of contamination, the Registered Professional Engineer or Geologist shall have the authority to temporarily suspend construction activity at that location for the protection of workers or the public. If, in the opinion of the Registered Professional Engineer or Geologist, significant remediation may be required, the project owner shall contact representatives of the San Francisco Bay Regional Water Quality Control Board, City of Hayward Fire Department Hazardous Materials Office, and the Berkeley Regional Office of the California Department of Toxic Substances Control for guidance and possible oversight.	The project owner shall submit any reports filed by the Registered Professional Engineer or Geologist to the CPM within 5 days of their receipt.	5	After receipt				Ongoing
WASTE	5	Ops			The project owner shall include the results of salt cake testing in annual report provided to the CPM. If two consecutive tests, taken six months apart, show that the sludge is non-hazardous, the project owner may apply to the CPM to discontinue testing.	N/A	N/A				Not Started
WASTE	7	All	Monthly		The project owner shall obtain a hazardous waste generator identification number from the Department of Toxic Substances Control prior to generating any hazardous waste.	The project owner shall keep its copy of the identification number on file at the project site and notify the CPM via the monthly compliance report of its receipt.	N/A	N/A	9/15/2010	N/A	Ongoing
WASTE	8	Comm				At least 30 days prior to the start of commercial operations, if the groundwater is found to be contaminated the project owner shall submit to the CPM documentation that the groundwater sampling report has been recorded as part of the environmental Restrictions required by Waste-11.	30	Prior to commercial operation			In Progress
WASTE	11	Closure		Following completion of the merger and/or lot line adjustment(s) associated with Condition of Certification LAND -2, the project owner shall execute and record a deed for the project site, as identified in the Certificate of Merger and/or Notice of Lot Line Adjustment, with the City of Hayward Recorders Office, which shall include a map and detailed description identifying any easements, restrictions, and limitations on the use of the property, with regard to any hazardous materials, wastes, constituents, or substances remaining on-site following closure of the proposed power plant. The project owner shall also file a Covenant and Environmental Restriction on Property with the San Francisco Bay Regional Water Quality Control Board identifying any hazardous materials, wastes, constituents, or substances that would remain at the property after closure of the power plant at levels that are not suitable for unrestricted use of the land.	The project owner shall provide copies of the deed and any attachments, with proof of recordation, and the Covenant and Environmental Restriction on Property, with proof of submittal, to the CPM, as part of the compliance package at least 30 days prior to plant closure or sale of property.	30	Prior to closure				In Progress
WASTE	12	Constr		The project owner shall properly destroy groundwater monitoring wells not in use as required by Alameda County Public Works, the City of Hayward Fire Department, the San Francisco Bay Regional Water Quality Control Board, and the Alameda County Water District.	The project owner shall provide evidence to the CPM that the wells have been destroyed in accordance with Alameda County Public Works, the City of Hayward Fire Department, the San Francisco Bay Regional Water Quality Control Board, and the Alameda County Water District requirements.	N/A	N/A				In Progress
NOISE	2	All		Throughout the construction and operation of the project, the project owner shall document, investigate, evaluate, and attempt to resolve all project related noise complaints.	Within 30 days of receiving a noise complaint, the project owner shall file a copy of the Noise Complaint Resolution Form, or similar instrument approved by the CPM, with the City of Hayward, and with the CPM, documenting the resolution of the complaint.	30	After receipt	Various	Various		Ongoing
NOISE	2	All			If mitigation is required to resolve a complaint and the complaint is not resolved within a 30-day period, the project owner shall submit an updated Noise Complaint Resolution Form when the mitigation is finally implemented.	30	After resolution				Not Started
NOISE	4	Comm		The project owner shall employ a low-pressure continuous steam or air blow process. High-pressure steam blows shall be permitted only if the system is equipped with an appropriate silencer that quiets steam blow noise to no greater than 86 dBA, measured at a distance of 50 feet. The project owner shall submit a description of this process, with expected noise levels and projected hours of execution, to the CPM.	At least 15 days prior to any low-pressure continuous steam or air blow, the project owner shall submit to the CPM drawings or other information describing the process, including the noise levels expected and the projected time schedule for execution of the process.	15	Prior to start of				Not Started
NOISE	5	Comm		At least 15 days prior to the first steam or air blow(s), the project owner shall notify the City of Hayward, the Hayward Area Recreation District, the East Bay Regional Parks District, and residents within one mile of the site of the planned activity, and shall make the notification available to other area residents in an appropriate manner. The notification may be in the form of letters to the area residences, telephone calls, fliers or other effective means. The notification shall include a description of the purpose and nature of the steam or air blow(s), the proposed schedule, the expected sound levels, and the explanation that it is a one-time operation and not a part of normal plant operations.	Within five (5) days of notifying these entities, the project owner shall send a letter to the CPM confirming that they have been notified of the planned steam or air blow activities, including a description of the method(s) of that notification.	5	After notification				Not Started
NOISE	6	Ops		The project design and implementation shall include appropriate noise mitigation measures adequate to ensure that the project will not cause resultant noise levels to exceed the noise standards of the City of Hayward Municipal Code or Noise Element. Included shall be a sound wall along the southern edge of the project site. No new pure tone components may be introduced. No single piece of equipment shall be allowed to stand out as a source of noise that draws legitimate complaints. Steam relief valves shall be adequately muffled to preclude noise that draws legitimate complaints.	Within 30 days after completing the post-construction survey, the project owner shall submit a summary report of the survey to the CPM. Included in the post-construction survey report will be a description of any additional mitigation measures necessary to achieve compliance with the above listed noise limits, and a schedule, subject to CPM approval, for implementing these measures.	30	After completion				Not Started
NOISE	6	Ops			Within 30 days of completion of installation of these measures, the project owner shall submit to the CPM a summary report of a new noise survey, performed as described above and showing compliance with this condition.	30	After completion				Not Started
NOISE	7	Ops		Within 30 days after the facility is in full operation, the project owner shall conduct an occupational noise survey to identify the noise hazardous areas in the facility. The survey shall be conducted by a qualified person in accordance with the provisions of Title 8, California Code of Regulations, sections 5095-5099 (Article 105) and Title 29, Code of Federal Regulations, section 1910.95. The survey results shall be used to determine the magnitude of employee noise exposure. The project owner shall prepare a report of the survey results and, if necessary, identify proposed mitigation measures that will be employed to comply with the applicable California and federal regulations.	Within 30 days after completing the survey, the project owner shall submit the noise survey report to the CPM. The project owner shall make the report available to OSHA and Cal-OSHA upon request.	30	After completion				Not Started

TRANS	1	Constr			Additionally, every 4 months during construction the project owner shall submit turning movement studies for the intersection at Enterprise Avenue and Clawiter Road during the A.M. (7:30 to 8:30 a.m.) and P.M. (4:30 to 5:30 p.m.) peak hours to confirm that construction trip generation rates identified in the AFC and used to determine less than significant impacts to City of Hayward streets and are not being exceeded.	N/A	N/A			Ongoing
TRANS	4	Constr		The project owner shall complete construction of Enterprise Avenue along the project frontage. Enterprise Avenue is to be constructed as a standard 60-foot industrial public street per City of Hayward Detail SD-102. This includes removal of the temporary asphalt curb, construction of approximately 21 feet of street pavement and a standard 6-foot sidewalk.	At least 30 days prior to operation of the RCEC plant, the project owner shall submit to the CPM, written verification from the City of Hayward that construction of Enterprise Avenue along the project frontage has been completed in accordance with the City of Hayward's standards.	30	Prior to commercial operation			Not Started
TRANS	6			The degree of rehabilitation is dependent on a condition inspection by the City Engineer after completion of the RCEC project.	If required, the project owner shall resurface Enterprise Avenue and Clawiter Road in accordance with City of Hayward standards.	N/A	N/A			Not Started
TRANS	9	Constr	Monthly	The project owner or its contractor shall comply with the City of Hayward Planning Department limitations for encroachment into public rights-of-way and shall obtain necessary encroachment permits from the City of Hayward Public Works Department.	In the Monthly Compliance Reports, the project owner shall submit copies of any encroachment permits received during that month's reporting period to the Compliance Project Manager (CPM). In addition, the project owner shall retain copies of these permits and supporting documentation in its compliance file for at least six months after the start of commercial operation.	N/A	N/A	Various	N/A	Ongoing
TRANS	10	Constr		The project owner shall ensure that the following mitigation measures are implemented to discourage pilots from flying over or in the proximity to the RCEC. These would include: 1. Request that a Notice to Airman (NOTAM), Category D, be issued advising pilots of the location of the RCEC and maintained in active status until all navigation charts and the Airport Facilities Directory (AFD) have been updated;		N/A	N/A			Not Started
TRANS	10	Constr		2. Request that the Hayward Executive Airport Air Traffic Control Tower (ATCT) coordinate with the Northern California Terminal Radar Approach Control to ensure that local missed approach instructions preclude the vectoring of aircraft over the RCEC;	At least sixty days prior to the first test or commissioning procedure, the project owner shall provide verification to the CPM from the Hayward Executive Airport ATCT that any necessary modifications to local missed approach procedures have been coordinated with Northern California Terminal Radar Approach Control.	60	Prior to first fire			Not Started
TRANS	10	Constr		3. Request that the FAA insert a power plant depiction symbol at the RCEC site location on the San Francisco VFR Terminal Area Chart (scale: 1:250,000);	At least six months prior to the first test or commissioning procedure, the project owner shall demonstrate to the CPM that it has coordinated with the Hayward Executive Airport manager and changes to the San Francisco VFR Terminal Area Chart have been submitted.	180	Prior to first fire			Not Started
TRANS	10	Constr		4. Request that the Hayward ATCT add a new remark to the Automatic Terminal Information Service (ATIS) advising pilots of the location of the RCEC and to avoid overflight below 1,000 feet; 5. Deleted.	At least thirty days prior to the first test or commissioning procedure, the project owner shall provide verification to the CPM from the Hayward Executive Airport and Oakland International ATCT that the proposed language for the ATIS accurately describes the location of the RCEC and recommendation to avoid overflight below 1,000 feet.	30	Prior to first fire			Not Started
TRANS	10	Constr		6. Request that the Hayward Executive Airport submit aerodrome remarks describing the general location of the RCEC plant and advising against direct overflight of the RCEC plant to: • the FAA National Aeronautical Charting Office (Airport/Facility Directory, Southwest United States); • Jeppesen Sanderson Inc. (JeppGuide Airport Directory, Western Region); and • Airguide Publications (Flight Guide, Western States);	At least sixty days prior to the first test or commissioning procedure, the project owner shall demonstrate to the CPM that it has coordinated with the Hayward Executive Airport manager and changes to the AFD have been submitted.	60	Prior to first fire			Not Started
TRANS	10	Constr		7. Modify the Hayward Executive Airport "fly friendly" pilot guides at the project owner's expense to include: a graphical/pictorial depiction of the RCEC site, bearing and distance to the site from airport center and the OAKLAND VORTAC, latitude and longitude of the RCEC center point and the recommendation to avoid overflight of the site below 1,000 feet to avoid potentially unstable flight conditions;	At least thirty days prior to the first test or commissioning procedure, the project owner shall provide verification to the CPM from the Hayward Executive Airport manager that he has an adequate supply, as determined by him, of the "fly friendly" brochure used for pilot education.	30	Prior to first fire			Not Started
TRANS	10	Comm			The lighting shall be inspected and declared operational by the CPM (or designate inspector) prior to the start of operations.	N/A	Prior to commercial operation			Not Started
TRANS	10	Comm		9. Provide the Hayward Executive Airport and the Metropolitan Oakland International Airport Air Traffic Control Towers written notice at least 10 days in advance of the first test or commissioning procedure that would produce a thermal plume, provide verbal notification 2 hours in advance of any subsequent test or commissioning procedure, and 10 days written notice prior to the start of commercial operations.	The project owner shall provide simultaneously to the CPM copies of all advisories sent to the Hayward and Oakland Air Traffic Control Towers.	10	Prior to first fire			Not Started
VIS	1	Constr		• All evidence of construction activities, including ground disturbance due to staging and storage areas shall be removed and remediated upon completion of construction. Any vegetation removed in the course of construction would be replaced on a 1-to-1 in-kind basis. Such replacement planting would be monitored for a period of three years to ensure survival. During this period, all dead plant material shall be replaced.	The project owner shall notify the CPM within seven days after completing the surface restoration that the areas disturbed during construction are ready for inspection.	7	After completion			Not Started
VIS	2	Constr		Prior to the first turbine roll, the project owner shall prepare and implement an approved onsite landscape plan to screen the power plant from view to the greatest extent possible. Suitable irrigation shall be installed to ensure survival of the plantings. Landscaping shall be installed consistent with the City of Hayward zoning ordinance and with the U.S. Fish and Wildlife Service's recommendations, if applicable, that plants not provide opportunities for perching by birds of prey.	Prior to the first turbine roll and at least 60 days prior to installing the landscaping, the project owner shall submit the landscape plan to the CPM for review and approval.	60	Prior to first fire	3/28/2012		Submitted
VIS	2	Constr			If the CPM notifies the project owner that revisions of the submittal are needed before the CPM would approve the submittal, within 30 days of receiving that notification, the project owner shall prepare and submit to the CPM a revised submittal.	30	After notification			Not Started
VIS	2	Constr			The project owner shall notify the CPM within seven days after completing installation of the landscape screening that the planting and irrigation system are ready for inspection.	7	After completion			Not Started
VIS	2	Ops	Annual		The project owner shall report landscape maintenance activities, including replacement of dead vegetation, for the previous year of operation in the Annual Compliance Report.	N/A	N/A			Not Started
VIS	3	Constr			Prior to first turbine roll, the project owner shall notify the CPM that all buildings and structures are ready for inspection.	N/A	After completion			Not Started
VIS	3	Ops	Annual		The project owner shall provide a status report regarding treatment maintenance in the Annual Compliance Report.	N/A	N/A			Not Started

VIS	4	Constr	<p>Prior to first turbine roll, the project owner shall design and install all permanent lighting such that a) light bulbs and reflectors are not visible from public viewing areas, b) lighting does not cause reflected glare, and c) illumination of the project, the vicinity, and the nighttime sky is minimized. To meet these requirements the project owner shall ensure that:</p> <p>1) Lighting is designed so exterior light fixtures are hooded, with lights directed downward or toward the area to be illuminated and so that backscatter to the nighttime sky is minimized. The design of this outdoor lighting shall be such that the luminescence or light source is shielded to prevent light trespass outside the project boundary;</p> <p>2) Non-glare light fixtures shall be specified;</p> <p>3) All lighting shall be of minimum necessary brightness consistent with worker safety;</p> <p>4) High illumination areas not occupied on a continuous basis (such as maintenance platforms) shall have switches or motion detectors to light the area only when occupied;</p> <p>5) Parking lot lighting shall be provided in accordance with the City of Hayward Security Standards Ordinance; and</p> <p>6) A lighting complaint resolution form (following the general format of that in Appendix VR-3) shall be used by plant operations, to record all lighting complaints received and to document the resolution of those complaints. All records of lighting complaints shall be kept in the onsite compliance file.</p> <p>The project owner shall notify the CPM when the lighting has been installed. If after inspecting the lighting the CPM notifies the project owner that modifications to the lighting are needed to minimize impacts, the project owner shall perform the necessary modifications.</p>	<p>Prior to the first turbine roll, the project owner shall notify the CPM that the lighting is ready for inspection.</p>	N/A	Prior to first fire			Not Started
VIS	4	Constr		<p>If the CPM notifies the project owner that modifications to the lighting are needed, within thirty days of receiving that notification the project owner shall implement the modifications.</p>	30	After notification			Not Started
VIS	5	Constr		<p>The project owner shall notify the CPM within seven days after completing installation of the fencing that the fencing is ready for inspection.</p>	7	After notification			In Progress
VIS	6	Constr	<p>The project owner shall design project signs using non-reflective materials and unobtrusive colors. The project owner shall ensure that signs comply with the applicable City of Hayward zoning requirements that relate to visual resources. The design of any signs required by safety regulations shall conform to the criteria established by those regulations.</p>	<p>At least 60 days prior to installing signage, the project owner shall submit the plan to the CPM for review and approval.</p>	60	Prior to start of installation			Not Started
VIS	6	Constr		<p>If the CPM notifies the project owner that revisions of the plan are needed before the CPM would approve the submittal, within 30 days of receiving that notification, the project owner shall prepare and submit to the CPM a revised submittal.</p>	30	After notification			Not Started
VIS	8		<p>The project owner shall reduce the RCEC cooling tower and HRSG visible vapor plumes by the following methods:</p> <ul style="list-style-type: none"> <li>The project owner shall reduce the RCEC cooling tower visible plumes through the use of a plume abated wet/dry cooling tower that has a stipulated plume abatement design point of 38°F and 80 percent relative humidity. An automated control system would be used to ensure that plumes are abated to the maximum extent possible for the stipulated design point.</li> </ul>	<p>At least 30 days prior to first turbine roll, the project owner shall provide to the CPM for review and approval the specifications for the automated control systems and related systems and sensors that would be used to ensure maximum plume abatement for the wet/dry cooling tower plume abatement systems.</p>	30	Prior to first fire			Not Started
VIS	9	Constr	<p>Prior to commercial operation, the project owner shall install new trailside amenities in the Hayward Regional Shoreline that may include, benches, free-of-charge viewscopes, and an information kiosk and set of low panels for the display of interpretive information related to Mt. Diablo and other important elements of the regional setting. The project owner shall work with the Hayward Area Recreation and Parks District (HARD) to develop the final designs for these facilities. As part of this measure, the project owner shall provide the HARD with an adequate budget that would allow its Staff to research and prepare the interpretive materials to be mounted on the kiosk and panels. The project owner shall determine the precise location of the trailside amenities in consultation with the CPM and the HARD.</p>	<p>Within 12 months after the start of HRSG construction, the project owner shall submit a final design plan for the trailside amenities to the HARD for review and comment and to the CPM for review and approval.</p>	365	After start of			In Progress
VIS	9	Constr		<p>If the CPM notifies the project owner that revisions are needed before the CPM would approve the plan, within 30 days of receiving that notification the project owner shall submit a revised plan to the CPM.</p>	30	After notification			Not Started
VIS	9	Constr		<p>Not less than thirty 30 days prior to the first turbine roll, the project owner shall notify the CPM that the trailside amenities are ready for inspection.</p>	30	Prior to first fire			Not Started
VIS	10	Constr		<p>The project owner shall notify the CPM within seven days after completing installation of the landscape screening that the planting and irrigation system are ready for inspection.</p>	7	After completion			Not Started
VIS	10	Ops		<p>The project owner shall report landscape maintenance activities, including replacement of dead vegetation, for the previous year of operation in the Annual Compliance Report.</p>	N/A	N/A			Not Started
VIS	11	Constr		<p>If the CPM notifies the project owner that modifications to the lighting are needed, within 30 (thirty) days of receiving that notification the project owner shall implement the necessary modifications and notify the CPM that the modifications have been completed.</p>	30	After notification			Not Started
VIS	11	Constr	Monthly	<p>4) A lighting complaint resolution form (following the general format of that in Appendix VR-3, of the Amendment No. 1 Staff Assessment shall be maintained by plant construction management, to record all lighting complaints received and to document the resolution of that complaint.</p>	<p>The project owner shall report any lighting complaints and documentation of resolution in the Monthly Compliance Report, accompanied by any lighting complaint resolution forms for that month.</p>	N/A	N/A		Ongoing