

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

Monthly Compliance Report #5
December 1 – December 31, 2010

1. Project Construction Status

There have been no lost time accidents or recordable injuries on the Russell City project to date. Approximately 5,305 hours were worked at the jobsite in the month of December and 14,195 hours worked at the site to date.

Fencing, grading, maintenance of the SWPP features, and removal of power line/poles was accomplished. Excavation and soil stabilization re-commenced in the North portion of the site which. The jobsite experienced heavy rainfall during the month which in conjunction with the lack of an approved storm water discharge permit from RCEC caused a delay to the completion of the Zero Liquid Discharge (ZLD) area excavation and subsequent test piling installation. The storm water outfall permit was obtained on December 14, 2010

The piling subcontractor began mobilizing at the site on December 7th and started driving test piles by December 13th. The presence of RF induced electricity in the leads and the crane boom was detected for the pile driving rig caused by the RF signals emitted by the nearby KFAQ/KTRB AM radio towers and work was immediately stopped in order to perform an investigation. Safety precautions including non-conducting rigging, insulated gloves, and grounding of the piling rig were implemented to allow the test piling program to continue safely. The test pile program continued through the Holiday period with tests completed on 9 of 12 test piles. The results from these tests are under evaluation; however the preliminary results appear to be satisfactory.

The focus for engineering this month continues to be piling and foundation design along with routing of underground pipe and electrical commodities. Pile layout drawings for the CTG were completed and approved by the CBO. Additional preliminary pile drawings for the STG and CTG area slabs were prepared and will be issued in January along with optimization of the HRSG piles based on results from the pile load tests. A substantial portion of the underground pipe and electrical commodities were modeled in the STG and CTG areas, and a model review was conducted with RCEC participation of both the underground and above ground design. The first underground pipe and conduit quantities are scheduled to be released for construction next month. Engineering continued to support the procurement of long lead equipment, subcontracts, and materials with technical specifications, bid evaluations, review and approval of vendor documents, CTG and STG vendor document reviews, and conformed material requisitions.

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	N/A. No CBO payments were made during the reporting period	AQ-SC4	A copy of the AQCMM report is attached
GEN-6	A list 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	N/A. No work completed for the reporting period	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	N/A. Applicable work not completed during the reporting period	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	N/A. Applicable work not completed during the reporting period	AQ-9	N/A. Applicable work not completed during the reporting period
TSE-1	N/A. Applicable work not completed during the reporting period	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	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 4 on-site personnel during the reporting period.	PAL-3	A copy of the WEAP training records are attached
SW-1	A narrative DESCP effectiveness is attached	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. No encroachment permits were 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, 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

An encroachment permit was obtained from the Alameda County Public Works Agency for construction of the storm water outfall.

8. Projection of compliance activities for January 2011 – February 2011

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

WEAP training records

CRS reports

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

None received during the reporting period.

**CONDITION OF CERTIFICATION
GEN-2**

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

December 23, 2010
25483-000-G02-GGG-00005
REV 6

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	REV'D	Responsible Discipline	Approved/Comments	Incoming Comment Letter	Open/Closed	Date: Comment Ltr	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
1	CIVIL-1	SWPPP (REV1) (100804)	25483-000-30G-K03G-00001	0	STORM WATER POLLUTION PREVENTION PLAN	GHES		Civil					Q3, 2010	08/04/10	RK	GAKG-00007	8/18/10	8/19/10		8/19/10	Approved
2	CIVIL-1	DESCP (REV1) (100804)	25483-001-30G-K03G-00002	0	EROSION AND SEDIMENT CONTROL AND STORM WATER MANAGEMENT PLAN	GHES		Civil					Q3, 2010	08/04/10	RK	GAKG-00006	8/18/10	8/27/10		8/27/10	Approved
3	CIVIL-1	CIVIL1-GEO2 (REV0) (100812)	25483-000-30R-K01G-00001	0	SUBSURFACE INVESTIGATION AND FOUNDATION REPORT	Report		Civil						8/12/110		GAKG-00010	8/26/10	10/11/10			CBO Comments (10/11/10) Changing the Title of the Report, Version 1.3
4	CIVIL-1	CIVIL1-GEO1 (REV0) (100811)	25483-000-30R-K01G-00002	0	ENGINEERING GEOLOGY REPORT	Report		Civil						8/11/110	MW	GAKG-00009	8/25/10				CBO Comments (10/4/10) in zip file of document, Version CBO Comments (10/11/10) Changing the Title of the Report, Version 1.3
5	CIVIL-1	CIVIL1 CE01 (REV1) (100802)	25483-000-3PS-CE01-00001	0	TECHNICAL SPECIFICATION FOR EARTHWORK, GRADING AND STRUCTURAL BACKFILL	Specification		Civil					Q3, 2010	08/02/10	RP	GAKG-00005	8/17/10	8/16/10			See Comment Response to 25483-001-C2-0000-00001 - (8/16/10)
6	CIVIL-1	CIVIL-CE03 (REV2) (101207)	25483-000-3PS-CE03-00001	2	TECHNICAL SPECIFICATION FOR SOIL STABILIZATION	Specification		Civil						12/07/10	DG	GAKG-00097	12/14/10				
9	CIVIL-1	DB02 (REV0) (101007)	25483-000-3PS-DB02-00001	0	TECHNICAL SPECIFICATION FOR CONCRETE WORK	Specification		Civil						10/07/10	RK	GAKG-00043	10/21/10	11/2/10		11/1/10	Approved
10	CIVIL-1		25483-000-3PS-NNP0-XXXXX		STANDARD SPECIFICATION FOR EXTERNAL THERMAL INSULATION AND LAGGING			Plant Design					Q1, 2011								
11	CIVIL-1		25483-000-3PS-NNP0-XXXXX		PROJECT SPECIFICATION FOR STEAM TURBINE EXTERNAL THERMAL INSULATION AND LAGGING			Plant Design					Q1, 2011								
12	CIVIL-1		25483-000-3PS-NX00-XXXXX		TECHNICAL SPECIFICATION FOR EXTERNAL COATING OF BURIED PIPELINES			Plant Design					Q1, 2011								
13	CIVIL-1		25483-000-3PS-PH06-XXXXX		TECHNICAL SPECIFICATION - FIELD DESIGN, FABRICATION AND INSTALLATION OF PIPE SUPPORTS			Plant Design					Q1, 2011								
14	CIVIL-1		25483-000-3PS-PS02-XXXXX		STANDARD SPECIFICATION FOR FIELD FABRICATION AND INSTALLATION OF PIPING			Plant Design					Q1, 2011								
15	CIVIL-1	SY01 (REV1) (101207)	25483-000-3PS-SY01-00001	0	TECHNICAL SPECIFICATION FOR MATERIAL TESTING SERVICES FOR CONCRETE AND EARTHWORK	Specification		Civil						12/07/10	RK	GAKG-00098	12/14/10				
21	CIVIL-1		25483-000-CD-0100-00001		STORM WATER DRAINAGE PLAN			Civil					3/30/11								
49	CIVIL-1		25483-000-CPR-GCE-00001		PILE LOAD TEST REPORT - GEOTECHNICAL & HYDRAULIC ENGINEERING SERVICES			Civil					12/15/10								
50	CIVIL-1		25483-000-CS-0010-00001		FINISH GRADNG PLAN	Grading Plan		Civil					4/30/11								
51	CIVIL-1		25483-000-CS-0010-00002		FINISH PAVING PLAN	Paving Plan		Civil					4/30/11								
52	CIVIL-1		25483-000-CS-0090-00002		FINISH GRADING SECTIONS AND DETAILS	Grading Sections & Details		Civil					4/30/11								
53	CIVIL-1		25483-000-CS-0090-00003		FINISH GRADING SECTIONS AND DETAILS	Grading Sections & Details		Civil					4/30/11								
54	CIVIL-1		25483-000-CS-0200-00001		MAIN ACCESS ROAD PLAN AND PROFILE			Civil					4/30/11								
55	CIVIL-1		25483-000-D0-0000-00001		CIVIL/STRUCTURAL STANDARDS CONCRETE DETAILS, SHEET 1			Civil					10/21/10								
56	CIVIL-1		25483-000-D0-0000-00002		CIVIL/STRUCTURAL STANDARDS CONCRETE DETAILS, SHEET 2			Civil					10/21/10								
57	CIVIL-1		25483-000-D0-0000-00003		CIVIL/STRUCTURAL STANDARDS CONCRETE DETAILS, SHEET 3			Civil					10/21/10								
58	CIVIL-1		25483-000-D0-0000-00004		CIVIL/STRUCTURAL STANDARDS CONCRETE DETAILS, SHEET 4			Civil					10/21/10								
59	CIVIL-1		25483-000-G27-GEK-00002	A	ENGINEERING GEOLOGY REPORT			Civil					08/10/10								
60	CIVIL-1	CIVIL-1 GE04 (REV0) (101222)	25483-000-K0C-0000-00006	0	Axial and Lateral Pile Springs - Static and Dynamic Calculation	GHES - Calculation		Civil						12/22/10	DG	GAKG-00118	1/11/11				
61	CIVIL-1		25483-000-K0C-7400-00001		STORM WATER MANAGEMENT BASIN SIZING CALCULATION			Civil					Q3, 2010								
64	CIVIL-1		25483-000-K0C-7400-00003		STORM DRAIN SYSTEM DESIGN			Civil					4/30/10								
65	CIVIL-1		25483-000-P0-		EMBEDDED AND UNDERGROUND PIPING - GENERAL NOTES AND STANDARD DETAILS			Plant Design					Q1, 2011								
69	CIVIL-1		25483-000-P1-		GENERAL ARRANGEMENT WATER TREATMENT AREA PLAN AT GRADE AND ABOVE			Plant Design					Q4, 2010								

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Bechtel Job 25483

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70	CIVIL-1		25483-000-P1-		GENERAL ARRANGEMENT DRAWING, RECYCLED WATER STORAGE FACILITY AREA PLAN AT GRADE			Plant Design					Q4, 2010								
71	CIVIL-1		25483-000-P1-		GENERAL ARRANGEMENT DRAWING, ADMINISTRATION / WAREHOUSE BLDG. AREA PLAN AT GRADE			Plant Design					Q4, 2010								
72	CIVIL-1		25483-000-P1-		GENERAL ARRANGEMENT DRAWING, GAS METERING AND COMPRESSOR AREA PLAN AT GRADE AND			Plant Design					Q4, 2010								
73	CIVIL-1		25483-000-P1-0000-00001		PLOT PLAN			Plant Design					Q3, 2010								
74	CIVIL-1		25483-000-P30-AB-XXXXX		LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM (SAMPLE ISOMETRICS)			Plant Design					Q1, 2011								
75	CIVIL-1		25483-000-P30-AE-XXXXX		LARGE BORE PIPING ISOMETRIC - BOILER FEED WATER SYSTEM (SAMPLE ISOMETRICS)			Plant Design					Q1, 2011								
76	CIVIL-1		25483-000-P30-PW-XXXXX		LARGE BORE PIPING ISOMETRIC - POTABLE WATER SYSTEM			Plant Design					Q1, 2011								
77	CIVIL-1		25483-000-P30-XN-XXXXX		LARGE BORE PIPING ISOMETRIC - SANITARY DRAINS			Plant Design					Q1, 2011								
78	CIVIL-1		25483-000-P30-XW-XXXXX		LARGE BORE PIPING ISOMETRIC - WASTEWATER SYSTEM			Plant Design					Q1, 2011								
79	CIVIL-1		25483-000-P4-		UNDERGROUND PIPING COMPOSITE - FIRE PROTECTION SYSTEM			Plant Design					Q1, 2011								
80	CIVIL-1		25483-000-P6C-AB-XXXXX		STRESS CALCULATION FOR MAIN STEAM SYSTEM (SAMPLE)			Plant Design					Q1, 2011								
81	CIVIL-1		25483-000-P6C-AE-XXXXX		STRESS CALCULATION FOR BOILER FEED WATER (SAMPLE)			Plant Design					Q1, 2011								
82	CIVIL-1		25483-000-PHC-AB-XXXXX		PIPE SUPPORT DESIGN CALCULATIONS - MAIN STEAM SYSTEM (SAMPLE)			Plant Design					Q1, 2011								
83	CIVIL-1		25483-000-PHC-AE-XXXXX		PIPE SUPPORT DESIGN CALCULATIONS - BOILER FEED WATER SYSTEM (SAMPLE)			Plant Design					Q1, 2011								
84	CIVIL-1		25483-000-PHJ-PH01-XXXXX		SMALL BORE NON-ANALYZED PIPE HANGERS AND SUPPORT NOTES, SYMBOLS AND DETAILS			Plant Design					Q1, 2011								
97	ELEC-1		25483-000-3DR-E001-00001		ELECTRICAL DESIGN CRITERIA			Electrical					Q3, 2010								
98	ELEC-1		25483-000-E0C-ES01-00001		LOAD FLOW AND SHORT CIRCUIT CALCULATION			Electrical					Q4, 2010								
101	ELEC-1		25483-000-E0C-EW01-00001		CABLE SIZING UNDERGROUND			Electrical					Q4, 2010								
102	ELEC-1		25483-000-E0C-EW01-00002		CABLE SIZING ABOVEGROUND			Electrical					Q4, 2010								
106	ELEC-1	ELEC-1 0008 (REV0) (101222)	25483-000-E1-EK-00001	0	SINGLE LINE METER & RELAY DIAGRAM 480V COMMON AREA LOAD CENTER BUS A and B - 0-EK-EKL-001A AND 0-EK-EKL-001B	Drawing		Electrical						12/22/10	KC	GAKG-00116	1/12/11				
107	ELEC-1	ELEC-1 0008 (REV0) (101222)	25483-000-E1-EK-00002		SINGLE LINE METER & RELAY DIAGRAM 480V COOLING TOWER-ZLD LOAD CENTER BUS A and B - 0-EK-EKL-002A and 0-EK-EKL-002B	Drawing		Electrical						12/22/10	KC	GAKG-00116	1/12/11				
108	ELEC-1	ELEC-1 0008 (REV0) (101222)	25483-000-E1-EK-00003		SINGLE LINE METER & RELAY DIAGRAM 480V COOLING TOWER LOAD CENTER BUS A and B 0-EK-EKL-003A and 0-EK-EKL-003B	Drawing		Electrical						12/22/10	KC	GAKG-00116	1/12/11				
109	ELEC-1	ELEC-1 0008 (REV0) (101222)	25483-001-E1-EK-00001		SINGLE LINE METER & RELAY DIAGRAM 480V CTG-HRSG-1 LOAD CENTER BUS A and B - 1-EK-EKL-001A and 1-EK-EKL-001B	Drawing		Electrical						12/22/10	KC	GAKG-00116	1/12/11				
110	ELEC-1	ELEC-1 0008 (REV0) (101222)	25483-002-E1-EK-00001		SINGLE LINE METER & RELAY DIAGRAM 480V CTG-HRSG-2 LOAD CENTER BUS A and B - 2-EK-EKL-001A and 2-EK-EKL-001B	Drawing		Electrical						12/22/10	KC	GAKG-00116	1/12/11				
111	ELEC-1	ELEC-1 0008 (REV0) (101222)	25483-003-E1-EK-00001		SINGLE LINE METER & RELAY DIAGRAM 480V STEAM TURBINE LOAD CENTER BUS A and B - 3-EK-EKL-001A and 3-EK-EKL-001B	Drawing		Electrical						12/22/10	KC	GAKG-00116	1/12/11				
112	ELEC-1		25483-000-E1-EK01-00001		SINGLE LINE METER AND RELAY DIAGRAM - 480 V STG LOAD CENTER			Electrical					Q4, 2010								
113	ELEC-1		25483-000-E1-EK01-00002		SINGLE LINE METER AND RELAY DIAGRAM - 480 V CTG/HRSG LOAD CENTER-1			Electrical					Q4, 2010								
114	ELEC-1		25483-000-E1-EK01-00003		SINGLE LINE METER AND RELAY DIAGRAM - 480 V CTG/HRSG LOAD CENTER-2			Electrical					Q4, 2010								
115	ELEC-1		25483-000-E1-EK01-00004		SINGLE LINE METER AND RELAY DIAGRAM - 480 V COOLING TOWER / WATER TREATMENT LOAD			Electrical					Q4, 2010								
116	ELEC-1		25483-000-E1-EK01-00005		SINGLE LINE METER AND RELAY DIAGRAM - 480 V COMMON AREA LOAD CENTER			Electrical					Q4, 2010								
117	ELEC-1	ELEC-1 0009 (REV0) (101222)	25483-000-E1-ES-00001	0	SINGLE LINE & RELAY DIAGRAM 4160V SWITCHGEAR - MCC NO 1 BUS A - 0-ES-ESM-001A			Electrical						Dec-10	KC	GAKG-00117	1/12/11				
118	ELEC-1	ELEC-1 0009 (REV0) (101222)	25483-000-E1-ES-00002	0	SINGLE LINE METER & RELAY DIAGRAM 4160V SWITCHGEAR - MCC NO 1 BUS B - 0-ES-ESM-001B	Drawing		Electrical						Dec-10	KC	GAKG-00117	1/12/11				

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119	ELEC-1	ELEC-1 0009 (REV0) (101222)	25483-000-E1-ES-00003	0	SINGLE LINE METER & RELAY DIAGRAM 4160V SWITCHGEAR - MCC NO 2 BUS A - 0-ES-ESM-002A	Drawing		Electrical						Dec-10	KC	GAKG-00117	1/12/11				
120	ELEC-1	ELEC-1 0009 (REV0) (101222)	25483-000-E1-ES-00004	0	SINGLE LINE METER & RELAY DIAGRAM 4160V SWITCHGEAR - MCC NO 2 BUS B - 0-ES-ESM-002B	Drawing		Electrical						Dec-10	KC	GAKG-00117	1/12/11				
121	ELEC-1		25483-000-E1-ES01-00001		SINGLE LINE METER AND RELAY DIAGRAM - 4.16KV SWITCHGEAR/MCC-1	Drawing		Electrical					Q3, 2010								
122	ELEC-1		25483-000-E1-ES01-00002		SINGLE LINE METER AND RELAY DIAGRAM - 4.16KV SWITCHGEAR/MCC-2			Electrical					Q3, 2010								
123	ELEC-1		25483-000-E1-EY01-00001		PLANT SINGLE LINE METER & RELAY DIAGRAM CTG			Electrical					Q4, 2010								
124	ELEC-1		25483-000-E1-EY01-00002		PLANT SINGLE LINE METER & RELAY DIAGRAM STG			Electrical					Q4, 2010								
127	ELEC-1		25483-001-E3-1401-00001		HAZARDOUS AREA CLASSIFICATION DRAWING- UNIT 1 CTG AREA			Electrical					Q3, 2011								
128	ELEC-1		25483-002-E3-1401-00001		HAZARDOUS AREA CLASSIFICATION DRAWING- UNIT 2 CTG AREA			Electrical					Q3, 2011								
129	ELEC-1		25483-002-E3-6101-00001		HAZARDOUS AREA CLASSIFICATION DRAWING- GAS COMPRESSOR AREA			Electrical					Q3, 2011								
130	ELEC-1		25483-000-E4-3211-00001		ELECTRICAL EQUIPMENT LOCATION MAIN SWITCHGEAR BUILDING			Electrical					Q1, 2011								
131	ELEC-1		25483-000-E4-7211-00001		ELECTRICAL EQUIPMENT LOCATION COOLING TOWER SWITCHGEAR BUILDING			Electrical					Q1, 2011								
132	ELEC-1		25483-000-E8-0001-00001		ELECTRICAL LOAD LIST			Electrical					Q3, 2011								
137	ELEC-1		25483-000-EG-2001-00001		GROUNDING PLAN - STEAM TURBINE AND DEMIN AREA			Electrical					Q4, 2010								
138	ELEC-1		25483-000-EG-3201-00001		GROUNDING AND LIGHTNING PROTECTION PLAN- MAIN SWGR BUILDING			Electrical					Q1, 2011								
139	ELEC-1		25483-000-EG-7101-00001		GROUNDING PLAN- WATER TREATMENT AREA			Electrical					Q1, 2011								
140	ELEC-1		25483-000-EG-7102-00001		GROUNDING AND LIGHTNING PROTECTION PLAN- TITLE 22 WATER TREATMENT AREA			Electrical					Q1, 2011								
141	ELEC-1		25483-000-EG-7201-00001		GROUNDING AND LIGHTNING PROTECTION PLAN COOLING TOWER AREA SHEET 1			Electrical					Q4, 2010								
142	ELEC-1		25483-000-EG-7201-00002		GROUNDING AND LIGHTNING PROTECTION PLAN COOLING TOWER AREA SHEET 2			Electrical					Q1, 2011								
144	ELEC-1		25483-000-EGC-EG01-00001		SYSTEM GROUND GRID CALCULATION			Electrical					Q4, 2010								
145	ELEC-1		25483-000-EGJ-00001-00001		GROUNDING NOTES SYMBOLS AND DETAILS			Electrical					Q3, 2010								
146	ELEC-1		25483-000-ELC-EL01-00001		LIGHTING ENERGY CALCULATIONS			Electrical					Q4, 2011								
149	ELEC-1		25483-000-EMC-EM01-00001		SETTINGS OF PROTECTIVE RELAYS ON 4.16KV SWITCHGEAR INCOMER, TIE AND TRANSFORMER FEEDERS			Electrical					Q1, 2012								
150	ELEC-1		25483-000-EMC-EM01-00002		SETTINGS OF PROTECTIVE RELAYS ON 4.16KV SWITCHGEAR MOTOR FEEDERS			Electrical					Q1, 2012								
151	ELEC-1		25483-000-EMC-EM01-00003		SETTINGS OF PROTECTIVE RELAYS ON 480V LOAD CENTERS			Electrical					Q1, 2012								
152	ELEC-1		25483-000-EMC-EM01-00004		SETTINGS OF PROTECTIVE RELAYS FOR CTG			Electrical					Q2, 2012								
153	ELEC-1		25483-000-EMC-EM01-00005		SETTINGS OF PROTECTIVE RELAYS FOR STG			Electrical					Q2, 2012								
154	ELEC-1		25483-000-EMC-EM01-00006		ELECTRICAL PROTECTIVE RELAY SETTINGS FOR GSU TRANSFORMER FOR CTG AND STG, AND UNIT AUX			Electrical					Q1, 2012								
155	ELEC-1		25483-001-EG-1101-00001		GROUNDING PLAN- UNIT 1 HRSG AREA			Electrical					Q4, 2010								
156	ELEC-1		25483-001-EG-1401-00001		GROUNDING PLAN - UNIT 1 COMBUSTION TURBINE			Electrical					Q4, 2010								
157	ELEC-1		25483-001-EG-3301-00001		GROUNDING PLAN- UNIT 1 MAIN TRANSFORMER AREA			Electrical					Q1, 2011								
158	ELEC-1		25483-002-EG-1101-00001		GROUNDING PLAN- UNIT 2 HRSG AREA			Electrical					Q4, 2010								
159	ELEC-1		25483-002-EG-1401-00001		GROUNDING PLAN - UNIT 2 COMBUSTION TURBINE			Electrical					Q4, 2010								
160	ELEC-1		25483-002-EG-3301-00001		GROUNDING AND LIGHTNING PROTECTION PLAN- UNIT 2 MAIN TRANSFORMER AREA			Electrical					Q1, 2011								
161	ELEC-1		25483-001-EG-1101-00002		LIGHTNING PROTECTION PLAN - UNIT 1 HRSG AREA			Electrical					Q4,2010								
162	ELEC-1		25483-001-EG-1401-00002		LIGHTNING PROTECTION PLAN - UNIT 1 COMBUSTION TURBINE			Electrical					Q4,2010								
163	ELEC-1		25483-002-EG-1101-00002		LIGHTNING PROTECTION PLAN- UNIT 2 HRSG AREA			Electrical					Q4,2010								

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164	ELEC-1		25483-002-EG-1401-00002		LIGHTNING PROTECTION PLAN - UNIT 2 COMBUSTION TURBINE			Electrical					Q4,2010									
165	ELEC-1		25483-000-EG-2001-00002		LIGHTNING PROTECTION PLAN - STEAM TURBINE AND DEMIN AREA			Electrical					Q4,2010									
166	ELEC-1		25483-000-EG-7101-00002		LIGHTNING PROTECTION PLAN- WATER TREATMENT AREA			Electrical					Q1,2011									
170	GEN-2		25483-000-3PS-CS01-00001		PAVING, BITUMINOUS, ROADS AND PARKING AREAS			Civil					4/30/11									
172	GEN-2		25483-000-3PS-DD00-00001		EMBEDDED STEEL AND ANCHOR BOLTS			Civil					11/30/10									
176	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING ENG CALCULATIONS			Architectural					Q2, 2011									
177	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural					Q2, 2011									
178	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural					Q2, 2011									
179	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural					Q2, 2011									
180	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural					Q2, 2011									
181	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural					Q2, 2011									
182	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural					Q2, 2011									
183	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural					Q2, 2011									
184	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural					Q2, 2011									
185	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural					Q2, 2011									
186	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural					Q2, 2011									
187	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural					Q2, 2011									
188	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural					Q2, 2011									
189	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural					Q2, 2011									
190	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural					Q2, 2011									
191	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural					Q2, 2011									
192	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural					Q2, 2011									
193	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural					Q2, 2011									
194	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL STANDARD ERECTION DETAILS			Architectural					Q2, 2011									
195	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING PROPOSED FLOOR PLAN			Architectural					Q2, 2011									
196	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING DATA/NOTES			Architectural					Q2, 2011									
197	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING FOUNDATION PLAN			Architectural					Q2, 2011									
198	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING FOUNDATION DETAILS			Architectural					Q2, 2011									
199	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING FOUNDATION DETAILS			Architectural					Q2, 2011									
200	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING FOUNDATION DETAILS			Architectural					Q2, 2011									
201	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING TYP WALL FRAMING DETAILS			Architectural					Q2, 2011									
202	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING "ADDITIONAL STRUCTURAL CALCULATION"			Architectural					Q2, 2011									
203	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING "ADDITIONAL STRUCTURAL CALCULATION"			Architectural					Q2, 2011									
204	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING SYSTEMS DESIGN CERTIFICATION			Architectural					Q2, 2011									
205	GEN-2		25483-000-V00-ECM1-XXXXX		CERTIFICATE OF COMPLIANCE - 480V MCC'S (BLACK BOX)			Electrical					Q4, 2011									
206	GEN-2		25483-000-V00-EDB0-XXXXX		CERTIFICATE OF COMPLIANCE - 125V DC/ 120V AC UPS EQUIPMENT (BLACK BOX)			Electrical					Q4, 2011									
207	GEN-2		25483-000-V00-EKL1-XXXXX		CERTIFICATE OF COMPLIANCE - 480V UNIT SUBSTATIONS (BLACK BOX)			Electrical					Q4, 2011									
208	GEN-2		25483-000-V00-ESL1-XXXXX		CERTIFICATE OF COMPLIANCE - 4.16KV SWITCHGEAR (BLACK BOX)			Electrical					Q4, 2011									
209	GEN-2		25483-000-V00-ETP0-XXXXX		CERTIFICATE OF COMPLIANCE - GENERATOR STEPUP TRANSFORMERS (BLACK BOX)			Electrical					Q4, 2011									
210	GEN-2		25483-000-V00-ETP1-XXXXX		CERTIFICATE OF COMPLIANCE - UNIT AUXILIARY TRANSFORMER (BLACK BOX)			Electrical					Q4, 2011									
211	GEN-2		25483-000-V00-JA03-XXXXX		CERTIFICATE OF COMPLIANCE - CONTINUOUS EMISSION MONITORING (BLACK BOX)			Electrical					Q4, 2011									
212	GEN-2		25483-000-V00-MCS0-XXXXX		CERTIFICATE OF COMPLIANCE - FUEL GAS COMPRESSOR (BLACK BOX)			Mechanical					Q3, 2011									

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213	GEN-2		25483-000-V00-MPGB-XXXXX		CERTIFICATE OF COMPLIANCE - BOILER FEEDWATER PUMPS (BLACK BOX)			Mechanical					Q3, 2011								
214	GEN-2		25483-000-V00-MTSO-XXXXX		CERTIFICATE OF COMPLIANCE - AMMONIA SYSTEM (BLACK BOX)			Mechanical					Q3, 2011								
215	GEN-2		25483-000-V00-MTSW-XXXXX		STANDARD DETAILS FOR LIQUID TANKS W/ ENCAPSULATED BOLT HEADS			Mechanical					Q3, 2011								
216	GEN-2		25483-000-V00-MTSW-XXXXX		STANDARD DETAILS FOR LIQUID TANKS W/ ENCAPSULATED BOLT HEADS			Mechanical					Q3, 2011								
217	GEN-2		25483-000-V00-MTSW-XXXXX		STANDARD LADDER ERECTION DRAWING			Mechanical					Q3, 2011								
218	GEN-2		25483-000-V00-MTSW-XXXXX		STANDARD LADDER ERECTION DRAWING			Mechanical					Q3, 2011								
219	GEN-2		25483-000-V00-MTSW-XXXXX		STANDARD ANCHOR BOLT LAYOUT FOR LIQUID PRODUCT BOLTED TANK			Mechanical					Q3, 2011								
220	GEN-2		25483-000-V00-MTSW-XXXXX		ERECTION DETAILS FOR BOLTED STEEL TANK			Mechanical					Q3, 2011								
221	GEN-2		25483-000-V00-MTSW-XXXXX		DESIGN CALCULATIONS FOR A BOLTED LIQUID STORAGE TANK			Mechanical					Q3, 2011								
222	GEN-2		LIST		BECHTEL CBO SUBMITTAL LIST			PE					6/14/10	7/2/10							
223	GEN-2		LIST		PROPOSED LIST OF DOCUMENTS FOR THE CTG EQUIPMENT FOR SIEMENS WESTINGHOUSE			PE					Q3, 2011								
224	GEN-2		LIST		PROPOSED LIST OF DOCUMENTS FOR THE STG EQUIPMENT FOR GENERAL ELECTRIC			PE					Q3, 2011								
231	GEN-5	GEN-5 0003- (REVO) (101220)	25483-000-GPE-GXA-00034	0	RESUME FOR ESWARA GOLLAPUDI (WILL BE SEALING PIPING STRESS DESIGN)	Resume		PD						12/20/10		GAKG-00111	1/10/11				
237	MECH-1		25483-000-3DR-M10-00001		MECHANICAL DESIGN CRITERIA			Mechanical					Q4, 2010								
239			25483-000-XX-XXXX-XXXXX		FIRE HAZARDS EVALUATION PLAN			Mechanical					Q2, 2011								
258	MECH-1	MECH-1 0015 (REVO) (101222)	25483-000-M6-AG-00001	A	P&ID - Unit-1 Combustion Turbine System	P&ID REFERENCE DOCUMENT		Mechanical						12/23/10		GAKG-00115	1/12/11				
259	MECH-1	MECH-1 0015 (REVO) (101222)	25483-000-M6-AG-00002	A	P&ID - Unit-1 Combustion Turbine System	P&ID REFERENCE DOCUMENT		Mechanical						12/23/10		GAKG-00115	1/12/11				
260	MECH-1	MECH-1 0015 (REVO) (101222)	25483-000-M6-AG-00003	A	P&ID - Unit-2 Combustion Turbine System	P&ID REFERENCE DOCUMENT		Mechanical						12/23/10		GAKG-00115	1/12/11				
261	MECH-1	MECH-1 0015 (REVO) (101222)	25483-000-M6-AG-00004	A	P&ID - Unit-2 Combustion Turbine System	P&ID REFERENCE DOCUMENT		Mechanical						12/23/10		GAKG-00115	1/12/11				
271	MECH-1	MECH1-0009 (REV1) (101208)	25483-000-M6-PW-00001	0	P&ID DOMESTIC WATER SYSTEM	P&ID REFERENCE DOCUMENT		Mechanical						12/08/10		GAKG-00101	12/29/10				
273	MECH-1	MECH1-0008 (REV1) (101209)	25483-000-M6-SC-00001	0	P&ID DEMIN WATER STORAGE & DISTRIBUTION SYSTEM	P&ID REFERENCE DOCUMENT		Mechanical						12/09/10		GAKG-00103	12/30/10				
283	MECH-1	MECH1-0008 (REV1) (101208)	25483-000-M6-WS-00001	0	P&ID SERVICE WATER SYSTEM	P&ID REFERENCE DOCUMENT		Mechanical						12/08/10		GAKG-00102	12/29/10				
285	MECH-1	MECH1-0008 (REV1) (101208)	25483-000-M6-WS-00002	0	P&ID SERVICE WATER SYSTEM	P&ID REFERENCE DOCUMENT		Mechanical						12/08/10		GAKG-00102	12/29/10				
288	MECH-1	MECH-1 0014 (REVO) (101208)	25483-000-M6-XW-00001	A	P & ID WASTE WATER SYSTEM	P&ID REFERENCE DOCUMENT		Mechanical						12/08/10		GAKG-00100	12/29/10				
289	MECH-1	MECH-1 0014 (REVO) (101208)	25483-000-M6-XW-00002	A	P & ID WASTE WATER SYSTEM	P&ID REFERENCE DOCUMENT		Mechanical						12/08/10		GAKG-00100	12/29/10				
290	MECH-1		25483-000-M6-XW-00005		P&ID SANITARY WASTE SYSTEM			Mechanical					Q2, 2011								
296	MECH-1		25483-000-V00-MLXR-XXXXX		WATER TREATMENT GENERAL ARRANGMENT PLAN AND STRUCTURAL NOTES			Mechanical					Q4, 2010								
297	MECH-1		25483-000-V00-MLXR-XXXXX		WATER TREATMENT LOAD TABLE			Mechanical					Q4, 2010								
298	MECH-1		25483-000-V00-MLXR-XXXXX		WATER TREATMENT ANCHOR BOLT LAYOUT PLAN			Mechanical					Q4, 2010								
299	MECH-1		25483-000-V00-MEVV-XXXXX		WATER TREATMENT GENERAL ARRANGMENT PLAN AND STRUCTURAL NOTES			Mechanical					Q4, 2010								
300	MECH-1		25483-000-V00-MEVV-XXXXX		WATER TREATMENT LOAD TABLE			Mechanical					Q4, 2010								
301	MECH-1		25483-000-V00-MEVV-XXXXX		WATER TREATMENT ANCHOR BOLT LAYOUT PLAN			Mechanical					Q4, 2010								
302	MECH-3		25483-000-3PS-MA00-00000		FURNISHING, DESIGNING, INSTALLING AND TESTING OF HVAC SYSTEMS			Mechanical					Q2, 2011								

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303	MECH-3		25483-000-MOC-VB-00001		HVAC SYSTEM REQUIREMENTS (MISC BUILDINGS)			Mechanical					Q2, 2011									
304	MECH-3		25483-000-V00-MA00-XXXXX		HVAC SYSTEM DESIGN CALCULATIONS			Mechanical					Q2, 2011									
305	MECH-3		25483-000-V00-MA00-XXXXX		HVAC EQUIPMENT SCHEDULE AND LEGEND			Mechanical					Q3, 2011									
306	MECH-3		25483-000-V00-MA00-XXXXX		HVAC TEMPERATURE CONTROL DETAILS			Mechanical					Q3, 2011									
307	MECH-3		25483-000-V00-MA00-XXXXX		HVAC ELEC. SWITCHGEAR, SWITCHYARD CONTROL HOUSE, ACC MCC BLDG. MECHANICAL			Mechanical					Q3, 2011									
308			25483-000-3RC-H01G-00004		NOISE CONTROL PLAN			Mechanical					Q4, 2010									
310	STRUC-1		25483-000-3PS-CG01-00001		TECHNICAL SPECIFICATION FOR THE DESIGN AND CONSTRUCTION OF THE SITE ROAD			Civil					Q2, 2011									
315	STRUC-1		25483-000-3PS-SY01-00001		CONCRETE AND EARTHWORK TESTING SERVICES			Civil					10/21/10									
316	STRUC-1		25483-000-3SS-SS-701		TECHNICAL SPECIFICATION FOR PURCHASE OF STRUCTURAL AND MISCELLANEOUS STEEL			Civil					Q1, 2011									
317	STRUC-1		25843-000-A1-3210-00001		COOLING TOWER ELECTRICAL BUILDING PLAN			Architectural					Q1, 2011									
318	STRUC-1		25843-000-A1-3210-00002		ELECTRICAL SWITCHGEAR BUILDING PLAN			Architectural					Q1, 2011									
319	STRUC-1		25843-000-A1-3210-00003		STG ELECTRICAL BUILDING PLAN			Architectural					Q1, 2011									
320	STRUC-1		25843-000-A2-3290-00001		COOLING TOWER ELECTRICAL BUILDING ELEVATIONS, SECTIONS			Architectural					Q1, 2011									
321	STRUC-1		25843-000-A2-3290-00002		ELECTRICAL SWITCHGEAR BUILDING ELEVATIONS AND SECTIONS			Architectural					Q1, 2011									
322	STRUC-1		25843-000-A2-3290-00003		STG ELECTRICAL BUILDING ELEVATIONS AND SECTIONS			Architectural					Q1, 2011									
328	STRUC-1		25843-000-V00-AKBS-XXXXX		WT LAB/RWF ELECTRICAL BUILDING PLANS, ELEVATIONS			Architectural					Q2, 2011									
329	STRUC-1		25843-000-V00-AKBS-XXXXX		WT LAB/RWF ELECTRICAL BUILDING ENGINEERING CALCULATIONS			Architectural					Q2, 2011									
330	STRUC-1		25843-000-V00-AKBS-XXXXX		WT LAB/RFP ELECTRICAL BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural					Q2, 2011									
331	STRUC-1		25843-000-V00-AKBS-XXXXX		WT LAB/RFP ELECTRICAL BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural					Q2, 2011									
332	STRUC-1		25843-000-V00-AKBS-XXXXX		WT LAB/RFP ELECTRICAL BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural					Q2, 2011									
333	STRUC-1		25843-000-V00-AKBS-XXXXX		WT LAB/RFP ELECTRICAL BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural					Q2, 2011									
334	STRUC-1		25843-000-V00-AKBS-XXXXX		WT LAB/RFP ELECTRICAL BUILDING DETAILS			Architectural					Q2, 2011									
335	STRUC-1		25843-000-V00-AKBS-XXXXX		WT LAB/RFP ELECTRICAL BUILDING FRAMING DETAILS			Architectural					Q2, 2011									
336	STRUC-1		25843-000-V00-AKBS-XXXXX		WT LAB/RFP ELECTRICAL BUILDING DESIGN CERTIFICATION			Architectural					Q2, 2011									
337	STRUC-1		25843-000-V00-AKBS-XXXXX		BUILDING DATA AND NOTES			Architectural					Q2, 2011									
338	STRUC-1		25843-000-V00-AKBS-XXXXX		ZLD CONTROL AND ELECTRICAL BUILDING PLANS, ELEVATIONS			Architectural					Q2, 2011									
339	STRUC-1		25843-000-V00-AKBS-XXXXX		ZLD CONTROL AND ELECTRICAL BUILDING ENGINEERING CALCULATIONS			Architectural					Q2, 2011									
340	STRUC-1		25843-000-V00-AKBS-XXXXX		ZLD CONTROL AND ELECTRICAL BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural					Q2, 2011									
341	STRUC-1		25843-000-V00-AKBS-XXXXX		ZLD CONTROL AND ELECTRICAL BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural					Q2, 2011									
342	STRUC-1		25843-000-V00-AKBS-XXXXX		ZLD CONTROL AND ELECTRICAL BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural					Q2, 2011									
343	STRUC-1		25843-000-V00-AKBS-XXXXX		ZLD CONTROL AND ELECTRICAL BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural					Q2, 2011									
344	STRUC-1		25843-000-V00-AKBS-XXXXX		ZLD CONTROL AND ELECTRICAL BUILDING DETAILS			Architectural					Q2, 2011									
345	STRUC-1		25843-000-V00-AKBS-XXXXX		ZLD CONTROL AND ELECTRICAL BUILDING FRAMING DETAILS			Architectural					Q2, 2011									
346	STRUC-1		25843-000-V00-AKBS-XXXXX		ZLD CONTROL AND ELECTRICAL BUILDING DESIGN CERTIFICATION			Architectural					Q2, 2011									
347	STRUC-1		25843-000-V00-AKBS-XXXXX		ADMIN BUILDING FIRE PROTECTION DESIGN CALCULATIONS			Architectural					Q1, 2011									
348	STRUC-1		25843-000-V00-AKBS-XXXXX		ADMIN BUILDING FIRE PROTECTION DRAWINGS			Architectural					Q1, 2011									
349	STRUC-1		25843-000-V00-AKBS-XXXXX		Admin Building HVAC system design calculations			Structural					Q4, 2010									
350	STRUC-1		25843-000-V00-AKBS-XXXXX		Admin Building HVAC system drawings			Civil					10/30/10									

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351	STRUC-1		25483-000-V00-AKBS-XXXX		Admin Building lighting and electrical design calculations			Structural					Q4, 2010								
352	STRUC-1		25483-000-DB-2111-00001		INTERNAL DRAIN TANK PIT PLAN, SECTIONS & DETAILS			Civil					Q2, 2011								
	STRUC-1	STRUC-1 D001 (REV0) (101223)	25483-0-D0-0000-00001	1	Civil/Structural Standards Concrete Sheet 1 General Notes and Legend	Drawing		Civil						12/23/10	RK	GAKG-00119	1/13/11				
	STRUC-1	STRUC-1 D001 (REV0) (101223)	25483-0-D0-0000-00002	0	Civil/Structural Standards Concrete Sheet 2 Typical Sections and Details	Drawing		Civil						12/23/10	RK	GAKG-00119	1/13/11				
	STRUC-1	STRUC-1 D001 (REV0) (101223)	25483-0-D0-0000-00003	0	Civil/Structural Standards Concrete Sheet 3 Typical Sections and Details	Drawing		Civil						12/23/10	RK	GAKG-00119	1/13/11				
	STRUC-1	STRUC-1 D001 (REV0) (101223)	25483-0-D0-0000-00004	0	Civil/Structural Standards Concrete Sheet 4 Typical Sections and Details	Drawing		Civil						12/23/10	RK	GAKG-00119	1/13/11				
353	STRUC-1		25483-000-DB-2111-00002		INTERNAL DRAIN TANK PIT SECTIONS AND DETAILS			Civil					Q2, 2011								
354	STRUC-1		25483-000-DB-3200-00001		ELECTRICAL/SWITCHGEAR BUILDING FOUNDATION			Civil					Q2, 2011								
355	STRUC-1		25483-000-DB-3290-00001		ELECTRICAL/SWITCHGEAR BUILDING FOUNDATION SECTIONS AND DETAILS			Civil					Q2, 2011								
356	STRUC-1		25483-000-DB-3290-00002		ELECTRICAL/SWITCHGEAR BUILDING FOUNDATION			Civil					Q1, 2011								
357	STRUC-1		25483-000-DB-6110-00001		AMMONIA STORAGE TANK FOUNDATION PLAN SECTIONS AND DETAILS			Civil					Q2, 2011								
358	STRUC-1		25483-000-DB-7110-00001		FIRE/FILTER & DEMINERALIZED WATER TANK FOUNDATIONS PLAN - SECTION AND DETAILS			Civil					Q2, 2011								
359	STRUC-1		25483-000-DB-7110-00002		WATER TREATMENT BUILDING FOUNDATION PLAN			Civil					Q2, 2011								
360	STRUC-1		25483-000-DB-7110-00003		WATER TREATMENT BUILDING PAD & ANCHOR BOLT LOCATION PLAN			Civil					Q2, 2011								
361	STRUC-1		25483-000-DB-7110-00004		WATER TREATMENT MISC. YARD EQUIPMENT FOUNDATION			Civil					Q2, 2011								
362	STRUC-1		25483-000-DB-7190-00001		TITLE 22 RECYCLED WATER TREATMENT FACILITY FOUNDATIONS SECTIONS & DETAILS			Civil					Q2, 2011								
363	STRUC-1		25483-000-DB-7190-00002		ZERO LIQUID DISCHARGE FACILITY FOUNDATIONS SECTIONS & DETAILS			Civil					Q2, 2011								
364	STRUC-1		25483-000-DB-7210-00002		COOLING TOWER CONCRETE FOUNDATIONS SHEET 1			Civil					Q2, 2011								
365	STRUC-1		25483-000-DB-7210-00003		COOLING TOWER CONCRETE FOUNDATIONS SHEET 2			Civil					Q2, 2011								
366	STRUC-1		25483-000-DB-7210-00004		COOLING TOWER CONCRETE FOUNDATIONS SHEET 3			Civil					Q2, 2011								
367	STRUC-1		25483-000-DB-7210-00005		COOLING TOWER CONCRETE FOUNDATIONS SHEET 4			Civil					Q2, 2011								
368	STRUC-1		25483-000-DB-7290-00001		COOLING TOWER CONCRETE NEAT LINE AND REINFORCING			Civil					Q2, 2011								
369	STRUC-1		25483-000-DB-7710-00001		OIL/WATER SEPARATOR-FOUNDATIONS PLAN SECTIONS AND DETAILS			Civil					Q2, 2011								
370	STRUC-1		25483-000-DB-9010-00001		MISCELLANEOUS CONCRETE FOUNDATION			Civil					Q2, 2011								
371	STRUC-1		25483-000-DB-9010-00002		MISCELLANEOUS CONCRETE FOUNDATION SHEET 2			Civil					Q2, 2011								
372	STRUC-1		25483-000-DB-9210-00001		PIPE RACK FOUNDATION CONCRETE NEAT LINE & REINFORCING PLAN, SHEET 1			Civil					Q2, 2011								
373	STRUC-1		25483-000-DB-9210-00002		PIPE RACK FOUNDATION CONCRETE NEAT LINE & REINFORCING PLAN, SHEET 2			Civil					Q2, 2011								
374	STRUC-1		25483-000-DB-9290-00001		PIPE RACK FOUNDATION SECTIONS AND DETAILS			Civil					Q2, 2011								
375	STRUC-1		25483-000-DBC-1110-00001		DESIGN OF HRSG AND STACK FOUNDATION, UNIT 1			Civil					Q1, 2011								
376	STRUC-1		25483-000-DBC-1110-00004		HRSG STAIR FOUNDATION, UNIT 2			Civil					Q1, 2011								
377	STRUC-1		25483-000-DBC-1110-00005		HRSG AREA SLAB			Civil					Q1, 2011								
378	STRUC-1		25483-000-DBC-1110-00006		KETTLE BOILER PIERS			Civil					Q2, 2011								
379	STRUC-1		25483-000-DBC-1210-00001		BOILER FEEDWATER PUMP BUILDING FOUNDATION			Civil					Q2, 2011								
380	STRUC-1		25483-000-DBC-1210-00002		BOILER FEEDWATER PUMP FOUNDATION DESIGN			Civil					Q2, 2011								
381	STRUC-1		25483-000-DBC-1210-00003		CHEMICAL SUN SHADE AND FEED SYSTEM FOUNDATIONS			Civil					Q2, 2011								
382	STRUC-1		25483-000-DBC-1400-00001		COMBUSTION TURBINE WASH WATER SUMP CALCULATION			Civil					Q2, 2011								
383	STRUC-1		25483-000-DBC-1400-00002		MISCELLANEOUS SUMPS PLAN, SECTIONS AND DETAILS			Civil					Q1, 2011								
384	STRUC-1		25483-000-DBC-1410-00001		COMBUSTION TURBINE FOUNDATION DESIGN, UNIT 1 CALC			Civil					Q2, 2011								
385	STRUC-1		25483-000-DBC-1410-00002		COMBUSTION TURBINE FOUNDATION DESIGN, UNIT 2			Civil					Q2, 2011								
386	STRUC-1		25483-000-DBC-1411-00001		COMBUSTION TURBINE - AIR INLET AND SILENCER FOUNDATION, UNIT 1 CALC			Civil					Q2, 2011								
387	STRUC-1		25483-000-DBC-1411-00002		COMBUSTION TURBINE - AIR INLET AND SILENCER FOUNDATION, UNIT 2			Civil					Q2, 2011								
388	STRUC-1		25483-000-DBC-1411-00003		COMBUSTION TURBINE AREA SLAB			Civil					Q2, 2011								
389	STRUC-1		25483-000-DBC-1411-00004		DESIGN OF EXHAUST FOUNDATION INTERFACE			Civil					Q2, 2011								
390	STRUC-1		25483-000-DBC-1411-00005		CT GENERATOR BREAKER FOUNDATION			Civil					Q2, 2011								

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391	STRUC-1		25483-000-DBC-1491-00001		COMBUSTION TURBINE ELECTRIC PEEC STEEL DESIGN CALC			Civil					Q2, 2011								
392	STRUC-1		25483-000-DBC-1491-00002		COMBUSTION TURBINE - ANCHOR BOLT ON PEEC PACKAGE			Civil					Q2, 2011								
393	STRUC-1		25483-000-DBC-2111-00001		INTERNAL DRAIN TANK SUMP			Civil					Q2, 2011								
394	STRUC-1		25483-000-DBC-2410-00002		STEAM TURBINE PEDESTAL DESIGN CALCULATION			Civil					Q2, 2011								
395	STRUC-1		25483-000-DBC-3200-00001		DESIGN OF SWITCHGEAR BUILDING VAULT			Civil					Q2, 2011								
396	STRUC-1		25483-000-DBC-3200-00002		DUCT BANK OPENINGS IN PIT WALLS OF SWITCHGEAR BUILDING			Civil					Q1, 2011								
397	STRUC-1		25483-000-DBC-3200-00003		SWITCHGEAR BUILDING SLAB ON GRADE			Civil					Q1, 2011								
398	STRUC-1		25483-000-DBC-3310-00001		DESIGN OF FOUNDATION AND PIT FOR CTG TRANSFORMER AND UNIT AUX TRANSFORMER			Civil					Q2, 2011								
399	STRUC-1		25483-000-DBC-3310-00002		DESIGN OF EMBEDDED PLATES FOR CTG TRANSFORMER AND UNIT AUX TRANSFORMER			Civil					Q2, 2011								
400	STRUC-1		25483-000-DBC-4410-00001		CEMS FOUNDATION DESIGN			Civil					Q2, 2011								
401	STRUC-1		25483-000-DBC-6110-00001		AMMONIA STORAGE TANK FOUNDATIONS			Civil					Q2, 2011								
402	STRUC-1		25483-000-DBC-7110-00001		FIELD ERECTED TANK FOUNDATIONS			Civil					Q2, 2011								
403	STRUC-1		25483-000-DBC-7110-00002		WATER TREATMENT BUILDING FOUNDATION AND ASSOCIATED EQUIPMENT			Civil					Q2, 2011								
404	STRUC-1		25483-000-DBC-7110-00003		WATER TREATMENT BUILDING - MASONRY WALL DESIGN			Civil					Q2, 2011								
405	STRUC-1		25483-000-DBC-7110-00004		MISC. WATER TREATMENT SYSTEM YARD EQUIPMENT FOUNDATION			Civil					Q2, 2011								
406	STRUC-1		25483-000-DBC-7200-00001		CONDENSATE PUMP FOUNDATION CALCULATIONS			Civil					Q2, 2011								
407	STRUC-1		25483-000-DBC-7210-00001		COOLING TOWER FOUNDATION DESIGN			Civil					Q2, 2011								
408	STRUC-1		25483-000-DBC-7210-00003		COOLING TOWER ANCHOR BOLT DUCTILITY CALC			Civil					Q2, 2011								
409	STRUC-1		25483-000-DBC-7210-00004		COOLING TOWER STAIR FOUNDATION CLACULATION			Civil					Q2, 2011								
410	STRUC-1		25483-000-DBC-7210-00005		CONDENSATE COOLING TOWER TANK FOUNDATION			Civil					Q2, 2011								
411	STRUC-1		25483-000-DBC-7210-00009		COOLING TOWER/MCC BUILDING SLAB ON GRADE			Civil					Q2, 2011								
412	STRUC-1		25483-000-DBC-9210-00001		PIPE RACK AND STAIR TOWER FOUNDATION			Civil					Q2, 2011								
413	STRUC-1		25483-000-DBC-9210-00002		GAS PREHEATER PIER DESIGN			Civil					Q2, 2011								
414	STRUC-1		25483-000-DDC-1410-00001		COMBUSTION TURBINE - ANCHOR BOLT DUCTILITY CALC			Civil					Q2, 2011								
415	STRUC-1		25483-000-S0-0000-00001		CIVIL/STRUCTURAL STANDARDS STRUCTURAL STEEL DETAILS, SHEET 1			Structural					11/15/10								
416	STRUC-1		25483-000-S0-0000-00002		CIVIL/STRUCTURAL STANDARDS STRUCTURAL STEEL DETAILS, SHEET 2			Structural					11/15/10								
417	STRUC-1		25483-000-S0-0000-00003		CIVIL/STRUCTURAL STANDARDS STRUCTURAL STEEL DETAILS, SHEET 3			Structural					11/15/10								
418	STRUC-1		25483-000-S0-0000-00004		CIVIL/STRUCTURAL STANDARDS STRUCTURAL STEEL DETAILS, SHEET 4			Structural					11/15/10								
419	STRUC-1		25483-000-S0-0000-00005		CIVIL/STRUCTURAL STANDARDS STRUCTURAL STEEL DETAILS, SHEET 5			Structural					11/15/10								
420	STRUC-1		25483-000-S0-0000-00006		CIVIL/STRUCTURAL STANDARDS STRUCTURAL STEEL DETAILS, SHEET 6			Structural					11/15/10								
421	STRUC-1		25483-000-SS-1410-00001		GENERATOR CIRCUIT BREAKER SUPPORT STRUCTURE			Structural					Q2, 2011								
422	STRUC-1		25483-000-SS-7210-00001		COOLING TOWER AREA CHEMICAL SUN SHADE			Structural					Q2, 2011								
423	STRUC-1		25483-000-SS-9200-00001		PIPE RACK			Structural					Q2, 2011								
424	STRUC-1		25483-000-SS-9210-00001		PIPE RACK STEEL PLAN AT EL. XX' SHEET 1			Structural					Q2, 2011								
425	STRUC-1		25483-000-SS-9210-00002		PIPE RACK STEEL PLAN AT EL. XX' SHEET 2			Structural					Q2, 2011								
426	STRUC-1		25483-000-SS-9210-00003		PIPE RACK STEEL PLAN AT EL. XX' SHEET 1			Structural					Q2, 2011								
427	STRUC-1		25483-000-SS-9210-00004		PIPE RACK STEEL PLAN AT EL. XX' SHEET 2			Structural					Q2, 2011								
428	STRUC-1		25483-000-SS-9210-00005		PIPE RACK STEEL PLAN AT EL. XX' SHEET 1			Structural					Q2, 2011								
429	STRUC-1		25483-000-SS-9210-00006		PIPE RACK STEEL PLAN AT EL. XX' SHEET 2			Structural					Q2, 2011								
430	STRUC-1		25483-000-SS-9210-00007		PIPE RACK STEEL PLAN AT EL. XX'			Structural					Q2, 2011								
431	STRUC-1		25483-000-SS-9211-00001		PIPE RACK STAIR TOWER			Structural					Q2, 2011								
432	STRUC-1		25483-000-SS-9211-00002		MISCELLANEOUS PIPE RACK STAIRS AND PLATFORMS			Structural					Q2, 2011								
433	STRUC-1		25483-000-SS-9290-00001		PIPE RACK STEEL - SECTIONS AND ELEVATIONS, SHEET 1			Structural					Q2, 2011								

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434	STRUC-1		25483-000-SS-9290-00002		PIPE RACK STEEL - SECTIONS AND ELEVATIONS, SHEET 2			Structural					Q2, 2011								
435	STRUC-1		25483-000-SS-9290-00003		PIPE RACK STEEL - SECTIONS AND ELEVATIONS, SHEET 3			Structural					Q2, 2011								
436	STRUC-1		25483-000-SS-9290-00004		PIPE RACK STEEL - SECTIONS AND ELEVATIONS, SHEET 4			Structural					Q2, 2011								
437	STRUC-1		25483-000-SS-1410-00002		CIRCUIT BREAKER SUPPORT STRUCTURE			Structural					Q2, 2011								
438	STRUC-1		25483-000-SS-7210-00001		CHEMICAL SUN SHADE STRUCTURE @ COOLING TOWER CALCULATION			Structural					Q2, 2011								
439	STRUC-1		25483-000-SS-9210-00001		PIPERACK CALCULATIONS			Structural					Q2, 2011								
440	STRUC-1		25483-000-SS-9211-00001		STAIR TOWER AT THE WEST END OF THE PIPE RACK			Structural					Q2, 2011								
441	STRUC-1		25483-000-SS-XXX		ELECTRICAL ABOVE GROUND RACEWAY SUPPORT CALCULATIONS			Structural					Q2, 2011								
442	STRUC-1				ERECTION DRAWING FOR COOLING TOWER BUILDING			Structural					Q2, 2011								
443	STRUC-1				ERECTION DRAWING FOR COOLING TOWER BUILDING			Structural					Q2, 2011								
444	STRUC-1				DESIGN CERTIFICATION ENGINEERING CALCULATION FOR SWITCHGEAR BUILDING			Structural					Q2, 2011								
445	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural					Q2, 2011								
446	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural					Q2, 2011								
447	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural					Q2, 2011								
448	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural					Q2, 2011								
449	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural					Q2, 2011								
450	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural					Q2, 2011								
451	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural					Q2, 2011								
452	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural					Q2, 2011								
453	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural					Q2, 2011								
454	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural					Q2, 2011								
455	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural					Q2, 2011								
456	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural					Q2, 2011								
457	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural					Q2, 2011								
458	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural					Q2, 2011								
459	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural					Q2, 2011								
460	STRUC-1		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING MECHANICAL DUCTWORK			Architectural					Q2, 2011								
461	STRUC-1		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING MECHANICAL DETAILS			Architectural					Q2, 2011								
462	STRUC-1		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING TITLE 24 SHEETS			Architectural					Q2, 2011								
463	STRUC-1		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING PLUMBING DRAWINGS			Architectural					Q2, 2011								
464	STRUC-1		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural					Q2, 2011								
465	STRUC-1		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural					Q2, 2011								
466	STRUC-1		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural					Q2, 2011								
467	STRUC-1		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING SURFACES FOR ACCESS FLOORS			Architectural					Q2, 2011								
468	STRUC-1		25483-000-V00-CP00-XXXXX		MANUAL FOR QUALITY CONTROL AND PRODUCTION OF STRUCTURAL PRECAST CONCRETE			Civil					Q2, 2011								
469	STRUC-1		25483-000-V00-MEAA-XXXXX		COOLING TOWER FOUNDATION LOADS			Mechanical					Q2, 2011								
470	STRUC-1		25483-000-V00-MEAA-XXXXX		COOLING TOWER TYPICAL CONNECTIONS DETAILS			Mechanical					Q3, 2011								
471	STRUC-1		25483-000-V00-MEAA-XXXXX		COOLING TOWER TYPICAL CONNECTIONS DETAILS			Mechanical					Q3, 2011								
472	STRUC-1		25483-000-V00-MEAA-XXXXX		COOLING TOWER STRUCTURAL STEEL CALCULATIONS FOR STAIRCASE (MAIN CALCULATION)			Mechanical					Q3, 2011								
473	STRUC-1		25483-000-V00-MEAA-XXXXX		COOLING TOWER STRUCTURAL STEEL CALCULATIONS FOR LADDER SUPPORT			Mechanical					Q3, 2011								
474	STRUC-1		25483-000-V00-MEAA-XXXXX		COOLING TOWER DESIGN CALCULATIONS - COOLING TOWER SUPPORT STRUCTURE			Mechanical					Q3, 2011								
475	STRUC-1		25483-000-V00-MEAA-XXXXX		COOLING TOWER DESIGN CALCULATIONS - COOLING TOWER SUPPORT STRUCTURE			Mechanical					Q3, 2011								
476	STRUC-1		25483-000-V00-MEAA-XXXXX		STRUCTURAL CALCULATIONS FOR COOLING TOWER (MAIN CALCULATION)			Mechanical					Q3, 2011								

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477	STRUC-1		25483-000-V00-MEAA-XXXXX		SUPPORT STRUCTURE SIDE VIEW			Mechanical					Q3, 2011									
478	STRUC-1		25483-000-V00-MEAA-XXXXX		SUPPORT STRUCTURE SIDE VIEW PART 2			Mechanical					Q3, 2011									
479	STRUC-1		25483-000-V00-MEAA-XXXXX		COOLING TOWER SUPPORT STRUCTURE			Mechanical					Q3, 2011									
480	STRUC-1		25483-000-V00-MEAA-XXXXX		COOLING TOWER DETAILS & ROOF STRUCTURE			Mechanical					Q3, 2011									
481	STRUC-1		25483-000-V00-MEAA-XXXXX		COOLING TOWER MOTOR SUPPORT STRUCTURE			Mechanical					Q3, 2011									
482	STRUC-1		25483-000-V00-MEAA-XXXXX		COOLING TOWER DETAILS OF PLATFORM & FANDECK & SUPPORT STEEL			Mechanical					Q3, 2011									
483	STRUC-1		25483-000-V00-MEAA-XXXXX		COOLING TOWER STAIRCASE			Mechanical					Q3, 2011									
484	STRUC-1		25483-000-V00-MEAA-XXXXX		COOLING TOWER LADDER			Mechanical					Q3, 2011									
485	STRUC-1		25483-000-VXX-XXX		230KV SWITCHYARD FOUNDATIONS (MULTIPLE DWGS)			Civil					Q2, 2011									
486	STRUC-1		25483-000-VXX-XXX		230KV SWITCHYARD FOUNDATION PLAN			Civil					Q2, 2011									
487	STRUC-1		25483-000-VXX-XXX		230KV SWITCHYARD STRUCTURE CALCS (MULTIPLE)			Structural					Q2, 2011									
488	STRUC-1		25483-001-CP-1400-00001		COMBUSTION TURBINE #1 PILE LOCATION			Civil					Q1, 2011									
489	STRUC-1		25483-001-DB-1110-00001		HRSG/STACK #1 FOUNDATION CONCRETE LINE			Civil					Q1, 2011									
490	STRUC-1		25483-001-DB-1110-00002		HRSG #1 STAIR TOWER FOUNDATION PLAN AND SECTION			Civil					Q1, 2011									
491	STRUC-1		25483-001-DB-1111-00001		HRSG #1 AREA SLAB NEAT LINE & ANCHOR BOLT LOCATION PLAN			Civil					Q1, 2011									
492	STRUC-1		25483-001-DB-1210-00001		BOILER FEEDPUMP BUILDING #1 FOUNDATION PLAN AND SECTIONS			Civil					Q2, 2011									
493	STRUC-1		25483-001-DB-1210-00002		BOILER FEEDWATER PUMP 1A & 1B FOUNDATION PLAN AND SECTIONS			Civil					Q2, 2011									
494	STRUC-1		25483-001-DB-1210-00003		UNIT 1 BOILER FEED PUMP CHEMICAL SUN SHADE FDN			Civil					Q2, 2011									
495	STRUC-1		25483-001-DB-1400-00001		MISCELLANEOUS SUMPS PLAN, SECTIONS AND DETAILS			Civil					Q2, 2011									
496	STRUC-1		25483-001-DB-1410-00001		COMBUSTION TURBINE NO. 1 NEAT LINE & EMBEDMENT PLAN			Civil					Q2, 2011									
497	STRUC-1		25483-001-DB-1411-00001		COMBUSTION TURBINE #1 AREA SLAB NEAT LINE PLAN			Civil					Q2, 2011									
498	STRUC-1		25483-001-DB-1490-00001		COMBUSTION TURBINE NO. 1 SECTIONS & DETAILS			Civil					Q2, 2011									
499	STRUC-1		25483-001-DB-1491-00001		CT #1 AREA SLAB SECTION AND DETAILS			Civil					Q2, 2011									
500	STRUC-1		25483-001-DB-1491-00004		COMBUSTION TURBINE #1 ELECTRICAL VAULT SECTIONS & DETAILS			Civil					Q2, 2011									
501	STRUC-1		25483-001-DB-3310-00001		COMBUSTION TURBINE #1 MAIN AND UNIT AUX TRANSFORMER FOUNDATION PLAN & SECTIONS			Civil					Q2, 2011									
502	STRUC-1		25483-001-DB-3390-00001		COMBUSTION TURBINE #1 MAIN AND UNIT AUX TRANSFORMER FOUNDATION SECTIONS & DETAILS			Civil					Q2, 2011									
503	STRUC-1		25483-001-DB-4110-00001		AIR INLET FILTER/SILENCER #1 FOUNDATION PLAN SECTIONS & DETAILS			Civil					Q2, 2011									
504	STRUC-1		25483-001-DB-4410-00001		UNIT 1 CEMS FOUNDATION CONCRETE NEAT LINE & REINFORCING			Civil					Q2, 2011									
505	STRUC-1		25483-001-DD-1410-00001		CT #1 ANCHOR BOLT LOCATION PLAN			Civil					Q2, 2011									
506	STRUC-1		25483-001-DD-1410-00002		CT #1 MAXIBOLT LOCATION PLAN			Civil					Q2, 2011									
507	STRUC-1		25483-001-DD-1411-00001		COMBUSTION TURBINE #1 AREA SLAB ANCHOR BOLT LOCATION PLAN			Civil					Q2, 2011									
508	STRUC-1		25483-001-DG-1110-00001		HRSG/STACK #1 FOUNDATION BOTTOM REINFORCING PLAN			Civil					Q1, 2011									
509	STRUC-1		25483-001-DG-1110-00002		HRSG/STACK #1 FOUNDATION TOP REINFORCING PLAN			Civil					Q1, 2011									
510	STRUC-1		25483-001-DG-1190-00001		HRSG/STACK #1 FOUNDATION REINFORCING SECTIONS			Civil					Q1, 2011									
511	STRUC-1		25483-001-DG-1410-00001		CT #1 REINFORCING PLAN			Civil					Q2, 2011									
512	STRUC-1		25483-001-DG-1490-00001		CT #1 SECTIONS AND DETAILS			Civil					Q2, 2011									
513	STRUC-1		25483-001-SS-1110-00001		PLATFORM AT UNIT 1 BOILER BLOWDOWN TANK			Structural					Q2, 2011									
514	STRUC-1		25483-001-SS-1210-00002		UNIT 1 BOILER FEED PUMP AREA CHEMICAL SUN SHADE & PLATFORM STEEL			Structural					Q2, 2011									
515	STRUC-1		25483-002-DB-1110-00001		HRSG/STACK #2 FOUNDATION CONCRETE NEAT LINE			Civil					Q1, 2011									
516	STRUC-1		25483-002-DB-1110-00002		HRSG #2 STAIR TOWER FOUNDATION PLAN AND SECTION			Civil					Q1, 2011									
517	STRUC-1		25483-002-DB-1111-00001		HRSG #2 AREA SLAB NEAT LINE & ANCHOR BOLT LOCATION PLAN			Civil					Q1, 2011									
518	STRUC-1		25483-002-DB-1210-00001		BOILER FEEDPUMP BUILDING #2 FOUNDATION PLAN AND SECTIONS			Civil					Q2, 2011									

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

December 23, 2010
25483-000-G02-GGG-00005
REV 6

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	REV'D	Responsible Discipline	Approved/Comments	Incoming Comment Letter	Open/Closed	Date: Comment Ltr	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	
519	STRUC-1		25483-002-DB-1210-00002		BOILER FEEDWATER PUMP 2A & 2B FOUNDATION PLAN AND SECTIONS			Civil					Q2, 2011									
520	STRUC-1		25483-002-DB-1210-00003		UNIT 2 BOILER FEED PUMP CHEMICAL SUN SHADE FDN			Civil					Q2, 2011									
521	STRUC-1		25483-002-DB-1400-00001		MISCELLANEOUS SUMPS PLAN, SECTIONS AND DETAILS			Civil					Q1, 2011									
522	STRUC-1		25483-002-DB-1410-00001		CT #2 NEAT LINE & EMBEDMENT PLAN			Civil					Q2, 2011									
523	STRUC-1		25483-002-DB-1411-00001		COMBUSTION TURBINE #2 AREA SLAB NEAT LINE PLAN			Civil					Q2, 2011									
524	STRUC-1		25483-002-DB-1490-00001		CT #2 SECTIONS AND DETAILS			Civil					Q2, 2011									
525	STRUC-1		25483-002-DB-1491-00001		CT #2 AREA FOUNDATION SECTION AND DETAILS			Civil					Q2, 2011									
526	STRUC-1		25483-002-DB-1491-00003		COMBUSTION TURBINE #2 ELECTRICAL VAULT CONCRETE NEAT LINE & REINFORCING			Civil					Q2, 2011									
527	STRUC-1		25483-002-DB-1491-00004		COMBUSTION TURBINE #2 ELECTRICAL VAULT SECTIONS & DETAILS			Civil					Q2, 2011									
528	STRUC-1		25483-002-DB-3310-00001		COMBUSTION TURBINE #2 MAIN AND UNIT AUX TRANSFORMER FOUNDATION PLAN & SECTIONS			Civil					Q2, 2011									
529	STRUC-1		25483-002-DB-3390-00001		COMBUSTION TURBINE #2 MAIN AND UNIT AUX TRANSFORMER FOUNDATION SECTIONS & DETAILS			Civil					Q2, 2011									
530	STRUC-1		25483-002-DB-4110-00001		AIR INLET FILTER/SILENCER #2 FOUNDATION PLAN SECTIONS & DETAILS			Civil					Q2, 2011									
531	STRUC-1		25483-002-DD-1410-00001		CT #2 ANCHOR BOLT LOCATION PLAN			Civil					Q2, 2011									
532	STRUC-1		25483-002-DD-1410-00002		CT #2 MAXIBOLT LOCATION PLAN			Civil					Q2, 2011									
533	STRUC-1		25483-002-DD-1411-00001		COMBUSTION TURBINE #2 AREA SLAB ANCHOR BOLT LOCATION PLAN			Civil					Q2, 2011									
534	STRUC-1		25483-002-DG-1110-00001		HRSG/STACK #2 AREA SLAB ANCHOR BOLT LOCATION PLAN			Civil					Q2, 2011									
535	STRUC-1		25483-002-DG-1110-00002		HRSG/STACK #2 FOUNDATION TOP REINFORCING PLAN			Civil					Q1, 2011									
536	STRUC-1		25483-002-DG-1190-00001		HRSG/STACK #2 FOUNDATION REINFORCING SECTIONS			Civil					Q1, 2011									
537	STRUC-1		25483-002-DG-1410-00001		CT #2 REINFORCING PLAN			Civil					Q2, 2011									
538	STRUC-1		25483-002-DG-1490-00001		CT #2 SECTIONS AND DETAILS			Civil					Q2, 2011									
539	STRUC-1		25483-002-SS-1110-00001		PLATFORM AT UNIT 2 BOILER BLOWDOWN TANK			Structural					Q2, 2011									
540	STRUC-1		25483-002-SS-1210-00002		UNIT 2 BOILER FEED PUMP AREA CHEMICAL SUN SHADE & PLATFORM STEEL			Structural					Q2, 2011									
541	STRUC-1		25483-003-3DR-C11-00001		CIVIL/STRUCTURAL DESIGN CRITERIA			Civil					Q3, 2010									
542	STRUC-1		25483-003-CP-2400-00001		STEAM TURBINE PILE LOCATION PLAN			Civil					Q2, 2011									
543	STRUC-1		25483-003-DB-2110-00001		STEAM TURBINE AREA FOUNDATION PLAN			Civil					Q2, 2011									
544	STRUC-1		25483-003-DB-2111-00003		GLAND STEAM SKID PLATFORM FOUNDATION			Civil					Q2, 2011									
545	STRUC-1		25483-003-DB-2112-00001		STEAM JET AIR EJECTOR FOUNDATIONS			Civil					Q2, 2011									
546	STRUC-1		25483-003-DB-2190-00001		STEAM TURBINE AREA FOUNDATION SECTIONS AND DETAILS			Civil					Q2, 2011									
547	STRUC-1		25483-003-DB-2410-00001		STEAM TURBINE PEDESTAL NEAT LINE PLAN			Civil					Q2, 2011									
548	STRUC-1		25483-003-DB-2490-00001		STEAM TURBINE PEDESTAL FOUNDATION SECTIONS			Civil					Q2, 2011									
549	STRUC-1		25483-003-DB-3410-00001		STEAM TURBINE FOUNDATION NEAT LINE PLAN AND SECTIONS			Civil					Q2, 2011									
550	STRUC-1		25483-003-DB-3490-00001		STEAM TURBINE FOUNDATION PLAN AND SECTIONS			Civil					Q2, 2011									
551	STRUC-1		25483-003-DB-3490-00002		STEAM TURBINE FOUNDATION SECTIONS AND DETAIL			Civil					Q2, 2011									
552	STRUC-1		25483-003-DBC-2110-00001		DESIGN OF STEAM TURBINE AREA SLAB FOUNDATION			Civil					Q2, 2011									
553	STRUC-1		25483-003-DBC-2110-00002		DESIGN OF STEAM TURBINE GENERATOR AIR INLET FILTER FOUNDATION			Civil					Q2, 2011									
554	STRUC-1		25483-003-DBC-2110-00003		GLAND STEAM SKID FOUNDATION			Civil					Q2, 2011									
555	STRUC-1		25483-003-DBC-2110-00006		STEAM JET AIR EJECTOR PLATFORM FOUNDATIONS			Civil					Q2, 2011									
556	STRUC-1		25483-003-DBC-2410-00001		STEAM TURBINE FOUNDATION DESIGN			Civil					Q2, 2011									
557	STRUC-1		25483-003-DBC-3310-00003		DESIGN OF FOUNDATION AND PIT FOR STG TRANSFORMER			Civil					Q2, 2011									
558	STRUC-1		25483-003-DD-2410-00001		STEAM TURBINE PEDESTAL ANCHOR BOLT LOCATION PLAN			Civil					Q2, 2011									

**CEC No. 01-AFC-07C
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CBO SUBMITTALS LIST**

December 23, 2010
25483-000-G02-GGG-00005
REV 6

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	REV'D	Responsible Discipline	Approved/Comments	Incoming Comment Letter	Open/Closed	Date: Comment Ltr	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
559	STRUC-1		25483-003-DD-2410-00002		STEAM TURBINE PEDESTAL EMBEDMENT PLAN			Civil					Q2, 2011								
560	STRUC-1		25483-003-DD-2490-00001		STEAM TURBINE PEDESTAL EMBEDMENT SECTIONS & DETAILS, SHT 1			Civil					Q2, 2011								
561	STRUC-1		25483-003-DD-2490-00002		STEAM TURBINE PEDESTAL EMBEDMENT SECTIONS & DETAILS, SHT 2			Civil					Q2, 2011								
562	STRUC-1		25483-003-DD-2410-00001		DESIGN OF ANCHOR BOLTS FOR STEAM TURBINE			Civil					Q2, 2011								
563	STRUC-1		25483-003-DD-2410-00002		DESIGN OF TRANSVERSE & ANCHOR PLATES FOR STEAM TURBINE			Civil					Q2, 2011								
564	STRUC-1		25483-003-DG-2410-00001		STEAM TURBINE PEDESTAL REINFORCEMENT PLAN			Civil					Q2, 2011								
565	STRUC-1		25483-003-DG-2490-00001		STEAM TURBINE PEDESTAL REINFORCING SECTIONS & DETAILS, SHT 1			Civil					Q2, 2011								
566	STRUC-1		25483-003-DG-2490-00002		STEAM TURBINE PEDESTAL REINFORCING SECTIONS & DETAILS, SHT 2			Civil					Q2, 2011								
567	STRUC-1		25483-003-DGC-2410-00001		STEAM TURBINE FOUNDATION DESIGN			Civil					Q2, 2011								
568	STRUC-1		25483-003-SS-2110-00001		GLAND STEAM STEEL SUPPORT PLATFORM			Structural					Q2, 2011								
569	STRUC-1		25483-003-SS-2120-00001		STEAM JET AIR EJECTOR PLATFORM SHEET 1			Structural					Q2, 2011								
570	STRUC-1		25483-003-SS-2120-00002		STEAM JET AIR EJECTOR PLATFORM SHEET 2			Structural					Q2, 2011								
571	STRUC-1		25483-003-SS-2190-00001		STEAM JET AIR EJECTOR PLATFORM ELEVATIONS AND DETAILS			Structural					Q2, 2011								
572	STRUC-1		25483-003-SS-2410-00001		STEAM TURBINE PEDESTAL PLATFORMS			Structural					Q2, 2011								
573	STRUC-1		25483-003-SS-2410-00002		STEAM TURBINE PEDESTAL PLATFORMS			Structural					Q2, 2011								
574	STRUC-1		25483-003-SS-2490-00001		STEAM TURBINE PEDESTAL PLATFORMS SECTIONS & DETAILS, SHEET 1			Structural					Q2, 2011								
575	STRUC-1		25483-003-SS-2490-00002		STEAM TURBINE PEDESTAL PLATFORMS SECTIONS & DETAILS, SHEET 2			Structural					Q2, 2011								
576	STRUC-1		25483-003-SS-2110-00001		GLAND STEAM SKID STEEL PLATFORM CALCULATION			Structural					Q2, 2011								
577	STRUC-1		25483-003-SS-2110-00002		STEAM JET AIR EJECTOR PLATFORMS CALCULATION			Structural					Q2, 2011								
578	STRUC-1		25483-003-SS-2410-00001		STEAM TURBINE PEDESTAL PLATFORMS			Structural					Q2, 2011								
582	TITLE 24		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING ENERGY COMPLIANCE REPORT			Architectural					Q2, 2011								
583	TITLE 24		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING REFLECTED CEILING PLAN			Architectural					Q2, 2011								
584	TITLE 24		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING LIGHTING PLAN AND ELECTRICAL DRAWINGS			Architectural					Q2, 2011								
585	VIS-4		25483-000-ELJ-GCX-00001		PLANT LIGHTING AND PLAN (MULTIPLE SHEET DOCUMENT DESCRIBING ILLUMINATION LEVEL FOR EACH AREA)			Electrical					Q3, 2011								
586	VIS-5		25483-000-C2-0100-00004		PERMANENT FENCING LAYOUT PLAN			Civil					4/30/11								
587	VIS-5		25483-000-C0-0000-00001		CIVIL/STRUCTURAL STANDARDS FENCE DETAILS, SHEET 1			Structural					11/15/10								
588	VIS-5		25483-000-C0-0000-00002		CIVIL/STRUCTURAL STANDARDS FENCE DETAILS, SHEET 2			Structural					11/15/10								

**CONDITION OF CERTIFICATION
GEN-6**

**Russell City Energy Center
Monthly Compliance Report #5
December 2010**

Lowell C.
Brown, I.O.R.

Digitally signed by Lowell C. Brown, I.O.R.
DN: cn=Lowell C. Brown, I.O.R., o=TRB and
Associates, ou=Inspection Manager,
email=lfbrown@trbplus.com, c=US
Date: 2010.12.16 09:27:18 -0800'

Rasher, Louise

From: jim porebski [jpor@wzrd.com]
Sent: Friday, August 27, 2010 4:21 PM
To: Brauen, Trevor
Subject: resume

James J. Porebski, PE
801 Pioneer Drive
North Tonawanda, NY 14120
(716) 693-4852

Experience

Consulting Engineer

1980 – Present Design of petro-chemical and bulk material process equipment, structural steel, reinforced concrete, foundations, and industrial building structures. The design work entails using various equipment and building codes and analyzing wind and seismic forces. Projects were completed on a PVC Chemical Plant, Cement Production Plant, and Limestone Quarry Pelletizing Facility.

Occidental Chemical Corporation

1978-1980 Implementation of capital expansion projects involving chemical process systems, facility expansion, demolition, and environmental control.

Great Lakes Carbon Corp.

1977-1978 Implementation of projects involving facilities expansion, research and development, custom machine design, and bulk material handling systems.

Industrial Welding Corp.

1771-1977 Design of structural steel, piping, pressure vessels, tanks, heat exchangers, material handling systems, and custom weldments.

Education

Alfred State College	AAS in Construction Engineering Technology
SUNY at Buffalo	BS Engineering
Niagara University	MBA

Jerry Luczenczyn

Kie-Con Inc.
3551 Wilbur Avenue
Antioch, CA 94509

Phone: 925-754-9494
Fax: 925-754-0624
E-mail: jerry.luczenczyn@kiewit.com

Summary

I have over 35 years experience in precast concrete design, construction and project management. Projects include architectural cladding, structural high-rise buildings, bridges and piling.

Qualifications

Precast Concrete Engineer. 35 years experience

Work History

Engineering Manager

Kie-Con Inc., Antioch, CA
3/2010 to Present

Manage engineering/ design department for design of precast/ prestressed products including piling

Chief Engineer

Precast Management Corp, Las Vegas, NV
4/2008 to 12/2008

Responsible for precast concrete structural design and drawings

Chief Engineer

Bethlehem Construction, Inc., Shafter, CA
2/2006 to 4/2008

Plant Management, project management, structural design of precast concrete, estimating projects to hard bid, scheduling, managing shop drawings and checking

V.P. Engineering/ Estimating

Mid-State Precast, Inc., Corcoran, CA
2/2001 to 12/2005

Vice President of Engineering Department, responsible for estimating, bidding, scheduling, design and drafting of precast concrete components and structures.

Plant Manager/ Chief Engineer

Kie-Con: A Division of Kiewit Pacific Co., Antioch, CA
8/1994 to 1/2001

Precast concrete plant management, structural design and drafting of precast concrete, scheduling production, quality control management

Skills

Project Management, Structural Design, Microsoft Office, Administration, ACAD, Estimating & Scheduling

Education

Bachelors of Science degree in Civil Engineering
California Registered Professional Civil Engineer (C 044060)

Eswara C. Gollapudi, PE

Senior Technical Specialist

EXPERIENCE SUMMARY (BECHTEL UNLESS NOTED OTHERWISE)

- 2008—Present Senior Technical Specialist/Stress Engineer
- 1997—2008, Stress Engineer (Bechtel/ Burns & McDonnell/Sargent & Lundy)
- 1980—1995

TECHNICAL QUALIFICATIONS

- ▶ Registered Professional Engineer, Florida and California PE# M-385082

EDUCATION

- ▶ ME, Mechanical Engineering, Florida Atlantic University
- ▶ BS, Mechanical Engineering, Jawaharlal Nehru Technological University (JNTU) (Anantapur, India)

STRENGTHS AND REASONS FOR SELECTION

Eswara Gollapudi has more than 30 years of plant design engineering experience on a variety of domestic and international fossil and nuclear projects. His duties have included evaluating technical specifications; designing subsystems; and coordinating with clients, vendors, and other engineering disciplines. His expertise includes reviews of design criteria and stress analyses of nuclear and fossil piping. He has been actively involved in resolving technical issues during plant startups and coordinating these efforts with other departments. He has also been very effective cross-functionally in successfully designing and implementing subsystems. He is highly competent in the area of applied mechanics. Mr. Gollapudi has been recognized a number of times for his valuable contributions to the successful completion of projects on time and under budget.

WORK HISTORY—DETAILED CONTRIBUTIONS

- ▶ **Senior Technical Specialist/Stress Engineer**
Currently, Mr. Gollapudi is a technical specialist assigned to the Central Stress Group. He prepares design criteria for the execution of work. He provides technical guidance to the team on issues related to stress analysis work. Mr. Gollapudi is a designated specialist for Bechtel stress analysis software (ME101), routinely resolving program input coding issues with internal and external customers and providing training and other technical assistance as needed. He performs design reviews of the work performed by other organizations. He is instrumental in the development of nozzle load criteria for equipment using either the Heat Exchange Institute (HEI) standard or WRC 107 methodology. He reanalyzed and qualified subsystems for various design change notices (pipe replacements, material changes, valve replacements, etc). He reviews various design documents as part of audit teams to ensure that the design conforms to design criteria, ASME codes, and specifications. He also performs pipe verification (hot functional walkdowns) during plant startups.

In addition, Mr. Gollapudi is a designated professional engineer responsible for sealing various design documents for the 440 MWe Ivanpah Solar Electric Generating Station project.

From April 2001 to 2008, Mr. Gollapudi performed stress analyses of piping for various Bechtel fossil projects. He also performed technical reviews for nuclear projects.

- ▶ **Stress Engineer**
From July 2000 to April 2001, Mr. Gollapudi performed analyses of high pressure and high temperature (>1000 °F) lines (main steam, hot reheat, and cold reheat) for Burns & McDonnell. He ensured that nozzle loads (where applicable) and turbine stability requirements were met. He also coordinated with other departments to resolve equipment overloads and interface issues.

In a previous assignment with the Central Stress Group, from July 1999 to June 2000, Mr. Gollapudi performed stress analyses of piping for various Bechtel fossil projects.

From June 1997 to June 1999, Mr. Gollapudi performed stress analyses for various ASME Class 2, 3 and B31.1 subsystems for Sargent & Lundy. He also prepared nozzle reinforcement calculations in accordance with ASME III code.

Mr. Gollapudi was assigned to the Browns Ferry project, a 1,067 MW boiling water reactor (BWR) nuclear power plant in Athens, Alabama, from March 1992 to September 1995. He performed stress analyses of Unit 3 piping systems.

WORK HISTORY—DETAILED CONTRIBUTIONS (CONT.)

From April 1986 to February 1992, Mr. Gollapudi was assigned to the 2 x 760 MW Turkey Point nuclear project in Florida. He performed stress analyses of piping systems due to modifications. He also reviewed small bore piping.

Mr. Gollapudi was assigned to the 2 x 1,250 MW South Texas PWR nuclear plant project from December 1985 to March 1986. He performed stress analyses of Class 2 and 3 lines.

From March to November 1985, Mr. Gollapudi performed stress related activities on the Farley nuclear project.

From July 1983 to February 1985, Mr. Gollapudi reviewed and dispositioned field change requests for the SNUPPS and 1,131 MW Wolf Creek projects in Kansas.

In a previous assignment on the Farley project, from August 1980 to June 1983, Mr. Gollapudi performed stress analyses of Class 2 and 3 lines and addressed design change notices, field change notices, etc.

He had essentially the same duties as those described above for Browns Ferry.

NEIL MOORE, SE, SECB

CURRICULUM VITAE

2010

NEIL MOORE
&
ASSOCIATES
STRUCTURAL ENGINEERS

4536 French Creek Road
Shingle Springs, California 95682
530 677-4308

CASES INVOLVED IN AS SUPPORTING CONSULTANT:

Horizon Hotel Casino, Lake Tahoe, Nevada

Court result.

Foster City, California – Foundation slabs deterioration. Retained by numerous plaintiffs home owners and neighborhood associations. Case settled after approximately 10 years. (Plaintiff)

SIGNIFICANT INVESTIGATIONS OF DISTRESSED STRUCTURES AND FAILURES:

- 2006 1853 Herrick Building and Hangman's Bar, Placerville – foundation restoration and building rehabilitation. Project scheduled for demolition pending legal actions.
- 2006 1853 Fountain-Tallman Soda Works Building, Placerville, California – rubble masonry failure. Construction pending.
- 1995 1910 – Quarry Bridge between Cool and Auburn, California. Foundation distress repair consultation. Bureau of Reclamation. (Pro Bono)
- 2004 1930 – Baltic Peak Tower – relocation to Placerville (Pro Bono)
- 2001 1850 – Shingle Springs Stonehouse – design of temporary raker shoring and personal participation in installing the shoring. (2002) (Member of Sacramento Urban Search and Rescue team) (Pro Bono) (structure eventually dismantled)
- 1985 1877 – Notre Dame College Carriage House, Belmont, California – condemned rubble stone structure. Student classes were relocated.
- 1988 46 Town homes – Pacifica, California – investigated construction problems and design problems. Resolved issues. Provided resident engineer during the construction. (3 year project).
- 1987 Rio Del Mar, California – Sea wall failure – investigated construction and design problems and resolved issues. Provided construction management services. (2 year project)
- 1990 Squaw Valley Residence Settled (Defense)
- 1987 Residence, San Francisco. Residence sliding down steep hill. Provided, with geotechnical consultant, investigation and structural repair as well as structural inspections. (Residence experienced the Loma Prieta earthquake during construction with no damage.) (3 year project)

PREVIOUS DISTRESS INVESTIGATIONS:

- 1975 Construction Accident, Golden Gate Bridge. Wire rope repair trestle apparatus dropped onto bridge deck.
- 1975 Crane Accident, Mountain View, California – Dropped missile onto concrete slab.
- 1963 Foundation failure, Mangla, West Pakistan – Newly constructed cobble terminal experienced uneven settlement. Provided structural solution and oversight. (Employed by Guy F. Atkinson Company)

ARCHITECTURAL AND STRUCTURAL DESIGN PROJECTS:

Numerous residences on the San Francisco Bay Peninsula between 1972 through 1989. Most residences required custom foundations due to either the soil characteristics or the site conditions, such as hills and expansive soils.

- 1964 Two small hotels, Mangla, West Pakistan (Employer: GFACO)
- 1964 Apartment house, Mangla, West Pakistan (Employer: GFACO)
- 1973 Concord and Richmond BART Car Wash Stations. (Architecture and engineering.)
- 1974 Office Building, San Mateo, California
- 1988 Disney World, Orlando, Florida – Three stage sets for the “Raiders of the Lost Ark” theme park area.
- 1988 – 1990 Four two-story eccentric braced framed office buildings – Santa Cruz and Scotts Valley – (Two buildings experienced the Loma Preita earthquake with no damage).
- 1975 Kaduna, Nigeria – Ferro Cement Hemispheres residential structures. (Provided resident consultant at site) (No structures were completed) Lloyd Turner, Architect.
- 1968 Dubuque, Colorado – recommended evacuation of 1890 stone building. Building collapsed subsequently. (Employer: John S. Blume Earthquake Research Laboratory)
- 1968 through 1969 – Extensive inspections and reports for a few hundred residences in Colorado and Nevada due to ground motion events. (Nuclear underground explosions) (Employer: John S. Blume Earthquake Research Laboratory)

STRUCTURES OF INTERNATIONAL SIGNIFICANCE:

- 2001 400 foot monster flagpole, Abu Dhabi, Arab Emirates
2002 410 foot monster flagpole, Amman, Jordan
2004 426 foot monster flagpole, Aqaba, Jordan
 (All three flagpoles set world records and were featured in the Guinness
 Book of Records and trade journals). The Aqaba flagpole is featured in
 Wikipedia.

SEMINARS:

As Chairman of the Professional Practices Committee, SAGE (Surveyors, Architects,
Geologists and Engineers of El Dorado County):

- Moderator: “Practice Your Profession Better – A Professional’s Survival Guide to Today’s
Litigious Environment” July 11, 2003 – Speakers, Phyliss A. Newton, Esq. and
Eugene Bass, Esq. P.E.
- Moderator: Moisture Intrusion – Speakers: Dennis Youngdahl, PE, GE and Marsha McDonnel,
PE, CE, speakers.
- Speaker: California Preservation Foundation, Sacramento Convention Center, 2005.
Topic: “Emergency Response and Assistance in Regard to Historic Structures”
- Speaker: The Society of Forensic Engineers and Scientists, Yosemite, 2006,
Topic: “Owner Gone Wild” - Engineering Mistakes and Owner Interference.
- Speaker: SAGE Meeting, 2007,
Topic: “Owner Gone Wild” - Engineering Mistakes and Owner Interference.
- Speaker: The Society of Forensic Engineers and Scientists, Yosemite, 2002,
Topic: “USAR Experience – 9/11 through 9/20, 2001 at the Twin Towers, New York City”
- Speaker: The Society of Forensic Engineers and Scientists, Nevada City, 2009,
Topic: “Flagpole Failures Investigations - Shegoygan, Wisconsin”

PUBLICATIONS:

“Out of Plane Wind Load Issues” – Wall and Ceilings Magazine, November 2008.

PUBLICATIONS IN PROGRESS:

“Brittle Finishes and Flexible Substrates” – Stucco cracking and moisture barrier failures. 8 – Chapters.

“Structural Calculations Preparations Manual” – 26 Chapters

AWARDS:

The James A. Lincoln Arc Welding Foundation Student Design Competition. 1960.
4th Place.

1974 Metal Building Award of the Year – Metal Building Dealers Association

SIGNIFICANT ASSIGNMENTS:

Resident Engineer – Asuncion Port Expansion Project, Asuncion, Paraguay. (1967-1968)
Employed by John A. Blume and Associates, San Francisco. World Bank Project.

Resident Engineer – Nuclear Rocket Test Stand modification project, Jackass Flats, Nevada.
(1969) Employed by John A. Blume and Associates, San Francisco. AEC project.

Residential Damage Inspection – Project Rulison, “A Nuclear Gas Stimulation
Experiments in Western Colorado”. (1968) Employed by John A. Blume and Associates
Earthquake Research Division, San Francisco. AEC project.

Engineer and architect for the contractor facilities. Mangla Dam Project, Mangla, West
Pakistan. 1962-1964. Employed by the Guy F. Atkinson Company. World Bank Project.

Chief of Party, Survey Crew. 1958. Road project, Zorzor, Liberia. Employed by Brown and
Blauvelt, New York City. World Bank Project

OTHER SPECIALTIES AND DESIGNS:

Electric Substation Electric Transformers.

1. Seismic analysis of exterior and interior structural components.
2. Positioning assistance appurtenances for lifting, jacking and sliding.

Movable concrete truck passing unit inside 36 foot diameter tunnel bore.

Cement bag unloading facility capable of opening single bags of cement and storing in an elevated
hopper. Initial bag opening goal: 1,000,000.

400 foot long by 96" wide movable conveyor for transporting tar sand. (Structural design only – mechanical design by another firm)

192 wheel trailer to transport large electrical equipment across the Jimtown Bridge in Sonoma County from Healdsburg to the Geysers.

Offloading, moving and positioning of 503 ton nuclear reactor at Cook Nuclear Plant, Michigan.

Gantry for moving and positioning of 506 ton generator at Diablo Canyon, California.

Continuous steel melt shop facility, Oregon Steel Mill, Portland Oregon.

Shotblast facility, US Navy, Long Beach, California.

In 2000 Mr. Moore became a member of the Sacramento Urban Search and Rescue Team as a structural specialist and was deployed to New York on September 11, 2001, spending ten days providing assistance to the FEMA structural engineering personal and limited duties at ground zero.

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

**Russell City Energy Center
Monthly Compliance Report #5
December 2010**

Attachment A Fugitive Dust Log

DBG

Month:	Date	Time	Daily Low Ambient Temp. °F	24 hr rainfall (inches)	Max 1 hr Wind Speed (mph)	Material Stock Pile Treatments		Roadways - Water Wagon/ Street Sweeper in use		Comments, Equipment OCS, Problems & Work Orders:	
						Water Treatments Active Storage (Y/N)	Water Treatments Inactive Storage (Y/N)	Paved Roads (WW/SS)	Unpaved Roads (WW/SS)		
DEC	Year: 2010										
	1	7:00	39	-	4				WW	JP	AWM/DUSTRICKS
	2		46	T	1				WW	JP	" " "
	3		50		7				WW	JP	" " "
	4		50	7	5				WW	JP	" " "
	5		51	0.45	7						" " "
	6		50	0.04	8						" " "
	7		44	0	2						" " "
	8		50	0.64	5						" " "
	9		56	T	1						" " "
	10		57	T	9						" " "
	11		54	-	9						" " "
	12		52	-	4						" " "
	13		54	-	4						" " "
	14		52	0.24	6				WW	JP	AWM/DUSTRICKS
	15		43	-	4				WW	JP/SP	" " "
	16		38	0.04	9				WW	JP/SP	" " "
	17		47	0.32	9				WW		" " "

Attachment A Fugitive Dust Log

Month:	Date	Time	Daily Low Ambient Temp. °F	Year:		Max 1 hr Wind Speed (mph)	Material Stock Pile Treatments		Roadways - Water Wagon/ Street Sweeper in use		Operator Initials	Comments, Equipment OOS, Problems & Work Orders:
				24 hr rainfall (inches)			Water Treatments Active Storage (Y/N)	Water Treatments Inactive Storage (Y/N)	Paved Roads (WW/SS)	Unpaved Roads (WW/SS)		
	18		54	0.18		7						
	19		50	1.34		8						
	20		47	T		10				WW	TP	SPRINKLE WATER TRUCKS
	21		47	0.09		9						
	22		50	0.10		5						
	23		42	Ø		3						
	24		42	Ø		5						
	25		47	0.49		9						
	26		45	0.01		6						
	27		45	Ø		2						
	28		48	1.15		8				WW	TP	SPRINKLE WATER TRUCKS
	29		43	0.05		17						
	30		45	Ø		5						
	31		37	T		4				WW	TP	SPRINKLE WATER TRUCKS

1. WW = water wagon, SS = street sweeper

UNDER GROUND WEATHER
Attachment A Fugitive Dust Log

HAYWARD REGIONAL AIRPORT

SOURCE OF WEATHER DATA: RAIN 5.13

WIND 6 mph

TEMPERATURE

53°

Gwen Bechtel Construction Enviro Lead

SUPERVISOR REVIEW

**CONDITION OF CERTIFICATION
AQ-SC5**

**Russell City Energy Center
Monthly Compliance Report #5
December 2010**



RCEC PROJECT
DIESEL ENGINE INVENTORY

Condition of Certification AQ-SC5

ENGINE TAG NO.	ENGINE/EQUIPMENT DESCRIPTION	DATE ARRIVED ON SITE	DATE REMOVED FROM SITE
FSFS45	406702 BACKHOE CAT	11/30/10	
DA9V94	108567 SCRAPER CAT	9/17/10	
KT8M55	102720 SHEEPFOOT CAT	12/1/10	
MA9P83	109513 SCRAPER CAT	12/1/10	
YM6B75	16 BLADE CAT	11/30/10	
LD8C86	BACKHOE KOBELCO (TEM)	10/18/10	
W68537	108217 SCRAPER CAT	12/1/10	
LK4B99	909342 SCRAPER CAT	12/1/10	
RSR65	905253 SKIPLoader CAT	12/1/10	
JT7555	MIXER GRIFFIN	12/15/10	
RFSH76	SPREADER GRIFFIN	12/16/10	
OL6B64	412007 ROLLER CAT	12/16/10	
DN3049	112117 ROLLER CAT	12/16/10	
JJ7555	MIXER GRIFFIN	12/16/10	
KY4B45	SPREADER GRIFFIN	12/16/10	
FV8W48	403102 CAT DOZER	12/28/10	

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

SIGNED: [Signature] Print Names: ROBERT PARKER

COMPANY: DESILVA GATES MONTH: DECEMBER, 2010

**GOLDEN
GATE
PETROLEUM**



RECEIVED

ExxonMobil



Motorcraft

TO PLACE AN ORDER CALL: FUEL (800) 244-4516 * LUBE (800) 640-4311 *
E-mail: info@ggpetroleum.com WEBSITE: www.ggpetroleum.com

INVOICE NUMBER 950707

ACCOUNT NUMBER:

DATE 12-16-10

SOLD TO:

15030
DE SILVA/GATES CONST. L.P.

SHIP TO:

41148
DE SILVA/GATES CONST. L.P.

ATTN: ACCOUNTS PAYABLE
P.O. BOX 2909
DUBLIN, CA 94568

CURTNER PITS
FREMONT, CA

PURCHASE ORDER NUMBER		SALESMAN		TERMS		DUE DATE			
CT121610		DAN EMANI		15 DAYS		99 12-31-10			
DELIVERY DATE		DRIVER		TRUCK NUMBER		TERMINAL		B/L NUMBER	
12-16-10		13 THIRD PARTY		141		16		492310	
NO. OF PKG. S	BULK OR PKG. SIZE	PRODUCT DELIVERED	ORDERED	DELIVERED	TAXES			PRICE	AMOUNT
					FED.	STATE	SALES		
	BULK	DIESEL FUEL - 3,NA1993,P.G. III RED CARB ULS DIESEL DYED DIESEL FUEL NON-TAXABLE USE ONLY. PENALTY FOR TAXABLE USE. THIS FUEL MEETS EPA REQUIRE- MENTS FOR SULFUR, CETANE INDEX, AROMATIC CONTENT OIL SPILL RECOVERY FEDERAL LUST TAX FEDERAL OIL SPILL LIAB. TAX	7696.0	7696.0			T 2.56000	19,701.75	
								0.00120 9.24	
								0.00100 7.70	
								0.00190 14.62	
***	EACH	FREIGHT	7696.0	7696.0			.0200	153.92	
<p>*** DELIVERY MESSAGE *** HAPPY HOLIDAYS FROM ALL OF US AT GOLDEN GATE PETROLEUM! THANKS FOR YOUR CONTINUED BUSINESS! WE WISH YOU A PROSPEROUS NEW YEAR! GOLDEN GATE PETROLEUM NOW OFFERS DIESEL EXHAUST FLUID (DEF). PLEASE CALL FOR MORE INFORMATION.</p>									
TANK	UNLEADED	MID-GRADE	PREMIUM	DIESEL	REMIT TO: P.O. Box 44550 San Francisco, CA 94144-5749		THIS INVOICE DOES NOT INCLUDE STATE OR FEDERAL EXCISE TAXES. SUPER FOUNDS OR SURCHARGES UNLESS SHOWN AS A SEPARATE LINE ITEM.		SALES TAX 1,924.00
BEFORE					For Product Emergency (Spill, Leak, Fire, Exposure or Accident) CALL 1-800-424-9300				SUB TOTAL 21,811.23
AFTER									
WATER									
PAST DUE AFTER					If account unpaid within time permitted, customer agrees to pay interest at 18% PER ANNUM and attorney's fees if account is referred to an attorney for collection. The undersigned that he is authorized to bind the principal to the terms hereof.				
ERRORS IN PRICE, EXTENSION AND ADDITION SUBJECT TO CORRECTION.					BAY AREA / DIABLO PETROLEUM CO. dba GOLDEN GATE PETROLEUM		TOTAL		21,811.23
CHECK NUMBER		CHECK AMOUNT		CREDIT CARD AMOUNT					
DELIVERED BY (SIGNATURE IN FULL)				RECEIVED IN GOOD ORDER				PLEASE PAY FROM THIS INVOICE	

2834

**CONDITION OF CERTIFICATION
WORKER SAFETY-3**

**Russell City Energy Center
Monthly Compliance Report #5
December 2010**

Worker Safety – 3

Period of December 1 ~ December 31

The project remains at ZERO Incidents of any classification and no issues remained unresolved.

The project provided *New Hire Orientation* training to 4 new employees.

Following are the activities for ESH during the month:

- Conducted special emphasis investigation and safety requirements cascade to all workers regarding RF induced static electricity on pile driving crane. Assisted with the application of grounding and set-up to reduce RF affects on the rig.
- Prepared and issued special Safely Speaking on Radio Frequency safety.
- Researched and provided management with information on potential noise reduction methodologies for the pile driving subcontractor.
- Continued monitoring all subcontractor site work for ESH compliance.
- On-going review of documents and submittals from subcontractors and proposed bidders.
- Daily site monitoring for affects of continuous rain on safe access/egress; and environmental concerns.

Estimated December hours for early reporting.

Bechtel and Current Subs	Cumulative Hours Project to Date		Sep-10	Oct-10	Nov-10	Dec-10	2010 Total
Bechtel	3,584		392	1040	880	1272	3584
DeSilva Gates	5,868		1394	1432	1426	1616	5868
Griffin Soil	656			504	32	120	656
Towill Survey	96		48	24	16	8	96
Signet Labs	310		62	144	80	24	310
Foundation Constructors	1,516		0	0	144	1372	1516
North American Fence	1,464		0	720	280	464	1464
Campanella	44		32			12	44
Stars and Stripes Security	657		0	96	144	417	657
Rosendin Electric	0		0				0
Project Total	14195		1928	3960	3002	5305	14195

**CONDITION OF CERTIFICATION
BIO-2**

**Russell City Energy Center
Monthly Compliance Report #5
December 2010**

Russell City Energy Center

MONTHLY BIOLOGICAL COMPLIANCE REPORT

December, 2010

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. Construction activities during the month of December included site grading, excavation and the addition of lime to soils on the north side of the project site, some pile driving in the southeastern area of the site, and installation of a fence along the western site boundary. In addition to work at the main project site, all of the laydown areas have been cleared, graded and covered with base gravel, but were not currently being used. As the nesting season has passed, monitoring for the month of December was limited to a single site visit by the designated biologist, Russell Huddleston, on December 16, 2010. No biological activity was evident on the site other than occasional birds including gulls, American crows and a black phoebe flying overhead or perched on the perimeter fence. A variety of shorebirds and waterfowl were noted in the drainage canal outside of the southwest corner of the site. Phillip Reed, the cultural resources monitor reported finding a dead sea gull on the site earlier. The gull was found in the morning when Phillip arrived on site and was not located in an area where there was active construction. Cause of death was unknown. Phillip also reported observing a single rat on the site.

A cumulative list of wildlife species observed on and around the project site through the month of December is provided in Table A.

Table A

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

Common Name	Scientific Name	Comments
• BIRDS		
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
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
Bushtit	<i>Psaltirparus minimus</i>	Observed in fennel at Laydown Area 3
California Gull	<i>Larus californicus</i>	Common in and around project areas
Canada Goose	<i>Branta canadensis</i>	Observed in open stormwater channel west of RCEC 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
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 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>Anus 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
Raven	<i>Corvus corax</i>	Observed on project site
Red-winged Blackbird	<i>Agelaius phoeniceus</i>	Few individuals observed west of project site

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

Common Name	Scientific Name	Comments
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 Tanager	<i>Piranga ludoviciana</i>	Observed on fence at Laydown Area 3
MAMMALS		
Black-tailed Jackrabbit	<i>Lepus californicus</i>	One individual observed on project site
California ground squirrel	<i>Otospermophilus beecheyi</i>	One individual observed adjacent to project site
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
REPTILES		
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 #5
December 2010**

Russell City Energy Center Monthly Compliance Reports (MCRs)

Soil & Water – 1
December 1 – December 31, 2010

Drainage, Erosion and Sediment Control Measures

On-going adjustments to BMP continued throughout the month. Additional construction perimeter silt fence was installed along construction sediment pond # 1 and west property boundary.



New perimeter silt fence installed along Alameda County channel tie-in rip rap flume from sediment pond, water discharging into riprap channel)



New perimeter silt fence installed along 12' temporary noise fence west property boundary



Perimeter Silt fence along south end Tompkins laydown area

Ongoing fugitive dust management included coving temporary stockpiled soil/material, daily water wagon tank and a street sweeper.

Monitoring and Maintenance Activities

Russell City Energy Center Monthly Compliance Reports (MCRs)

Precipitation events:

- 12/5 = 0.45 ”
- 12/6 = 0.04
- 12/8 = 0.64”
- 12/10 = Trace
- 12/14 = 0.24”
- 12/16 = 0.04”
- 12/17 = 0.32”

- 12/18 = 0.18”
- 12/19 = 1.34”
- 12/21 = 0.09”
- 12/22 = 0.1 ”
- 12/25 = 0.48”
- 12/26 = 0.01”
- 12/28 = 1.15”
- 12/29 = 0.05”
- December total = 5.13”

Rain events had major impact on site production. Significant amount of ponding of water was noted throughout site.

Dewatering

Dewatering from power block, ZLD and cooling tower areas were executed throughout December. Water was drawn down two small 4.9 hp diesel engine driven centrifugal pump and dewatering into a 10' x 10' sediment basin



(Dewatering structure built to de-water power block, ZLD and cooling tower)

No complaints, notices of violation, official warnings, and citations were received during the month. If any are received, a description of the resolution of the resolved actions and the status of any unresolved actions will be included in this report.

**CONDITION OF CERTIFICATION
CUL-2**

**Russell City Energy Center
Monthly Compliance Report #5
December 2010**

**CONDITION OF CERTIFICATION
CUL-4**

**Russell City Energy Center
Monthly Compliance Report #5
December 2010**

**CONDITION OF CERTIFICATION
CUL-6**

**Russell City Energy Center
Monthly Compliance Report #5
December 2010**

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; Phil Reid/RCEC CRM
Reporting For Period: December 1st through the 5th 2010

This report covers cultural resources monitoring activities at the Russell City Energy Center project for the week of December 1st through the 5th 2010, as required by Conditions of Certification CUL-6.

Personnel Active in Cultural Monitoring This Period

Phillip Reid participated as CRM for this week.

Monitoring and Associated Activities This Period

Monitoring of ground disturbance included pile driving, the outfall for the retention pond and the mass grading of the northern half of the RCEC plant site. Native sub-soils were encountered during mass grading and pile driving. These appear to be modern fill to a depth of approximately 6 feet AMSL overlaying native soils consisting blocky black silty clay and light gray brown silty clays that are generally intact depending on pre-fill topography.

Cultural Resources Discoveries This Period

No new cultural resources discoveries were made this month.

Anticipated Changes in the Next Period

Mass excavation of the northern half of the RCEC plant site may be completed. Foundations and footings for various site structures and excavations for conduit trenches, storm water retention and various fire and sewer line trenching may also begin at any time. 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; Phil Reid/RCEC CRM
Reporting For Period: December 6th through the 12th 2010

This report covers cultural resources monitoring activities at the Russell City Energy Center project for the week of December 6th through the 12th 2010, as required by Conditions of Certification CUL-6.

Personnel Active in Cultural Monitoring This Period

Phillip Reid and Dimitra Chase participated as CRMs for this week.

Monitoring and Associated Activities This Period

Monitoring of ground disturbance included pile driving and the mass grading of the northern half of the RCEC plant site. Native sub-soils were encountered during mass grading and pile driving. These appear to be modern fill to a depth of approximately 6 feet AMSL overlaying native soils consisting blocky black silty clay and light gray brown silty clays that are generally intact depending on pre-fill topography.

Cultural Resources Discoveries This Period

No new cultural resources discoveries were made this month.

Anticipated Changes in the Next Period

Mass excavation of the northern half of the RCEC plant site may be completed weather permitting. Foundations and footings for various site structures and excavations for conduit trenches, storm water retention and various fire and sewer line trenching may also begin at any time. 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; Phil Reid/RCEC CRM
Reporting For Period: December 13th through the 19th 2010

This report covers cultural resources monitoring activities at the Russell City Energy Center project for the week of December 13th through the 19th 2010, as required by Conditions of Certification CUL-6.

Personnel Active in Cultural Monitoring This Period

Phillip Reid participated as CRM for this week.

Monitoring and Associated Activities This Period

Monitoring of ground disturbance included pile driving and the mass grading of the northern half of the RCEC plant site. Native sub-soils were encountered during mass grading and pile driving. These appear to be modern fill to a depth of approximately 6 feet AMSL overlaying native soils consisting blocky black silty clay and light gray brown silty clays that are generally intact depending on pre-fill topography.

Cultural Resources Discoveries This Period

No new cultural resources discoveries were made this month.

Anticipated Changes in the Next Period

Mass excavation of the northern half of the RCEC plant site may be completed weather permitting. Foundations and footings for various site structures and excavations for conduit trenches, storm water retention and various fire and sewer line trenching may also begin at any time. 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; Phil Reid/RCEC CRM
Reporting For Period: December 20th through the 26th 2010

This report covers cultural resources monitoring activities at the Russell City Energy Center project for the week of December 20th through the 26th 2010, as required by Conditions of Certification CUL-6.

Personnel Active in Cultural Monitoring This Period

Phillip Reid participated as CRM for this week.

Monitoring and Associated Activities This Period

No excavations or monitoring took place at the RCEC during this period due to adverse weather.

Cultural Resources Discoveries This Period

No new cultural resources discoveries were made this month.

Anticipated Changes in the Next Period

Mass excavation of the northern half of the RCEC plant site may be completed weather permitting. Foundations and footings for various site structures and excavations for conduit trenches, storm water retention and various fire and sewer line trenching may also begin at any time. 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; Phil Reid/RCEC CRM
Reporting For Period: December 27th through the 31st 2010

This report covers cultural resources monitoring activities at the Russell City Energy Center project for the week of December 27th through the 31st 2010, as required by Conditions of Certification CUL-6.

Personnel Active in Cultural Monitoring This Period

Phillip Reid participated as CRM for this week.

Monitoring and Associated Activities This Period

Monitoring of ground disturbance included the excavation of the outfall from the retention pond, various sumps for rainwater removal and the mass grading of the northern half of the RCEC plant site. Native sub-soils were encountered during mass grading. These appear to be modern fill to a depth of approximately 6 feet AMSL overlaying native soils consisting blocky black silty clay and light gray brown silty clays that are generally intact depending on pre-fill topography.

Cultural Resources Discoveries This Period

No new cultural resources discoveries were made this month.

Anticipated Changes in the Next Period

Mass excavation of the northern half of the RCEC plant site is complete. Foundations and footings for various site structures and excavations for conduit trenches, storm water retention and various fire and sewer line trenching may also begin at any time. 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 #5
December 2010**

**CONDITION OF CERTIFICATION
PAL-4**

**Russell City Energy Center
Monthly Compliance Report #5
December 2010**

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)
Reporting For Period: December 2010

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

Phillip Reid was the paleontological resources monitor (PRM) for this month.

Monitoring and Associated Activities This Period

Monitoring for paleontological resources occurred on the following days:

Wednesday, December 1 through Saturday, December 4
Monday, December 6 through Thursday, December 9
Monday, December 13 through Wednesday, December 15
Monday, December 20
Monday December 27 through Wednesday, December 29.

While most construction activities continue to be at too shallow a depth to affect paleontologically sensitive sediment, occasional excavations to greater depth had the potential to affect more deeply buried sediments of potential paleontological sensitivity.

Paleontological Resources Discoveries This Period

No paleontological material was identified.

Anticipated Activities in the Next Period

Monitoring is expected to continue through most of January 2011.

Comments, Issues or Concerns

No issues or concerns. Most excavations are at too shallow a depth to affect paleontologically sensitive sediment.

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

**Russell City Energy Center
Monthly Compliance Report #5
December 2010**

RUSSELL CITY ENERGY CENTER COMPLIANCE MATRIX

CONDITION	NO.	Sort Code	CBO	PERIODIC REPORTS	Description of Project Owner Responsibilities (Conditions of Certification)	Verification/Action/Submittal Required by Project Owner	Timeframe	Days	Date Due to CEC CPM	Lead Respons. Party	Lead Person	Internal Start Date	Targeted Internal Finish Date	Date sent to CEC, CBO or agency	CITS Log Number	CEC Status
AIR QUALITY																
AQ	SC03	PRE-OP		MCR	The AQCMM 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.	The project owner shall provide to the CPM a MCR.										Ongoing
AQ	SC04	PRE-OP		MCR	The AQCMM or an AQCMM Delegate shall monitor all construction activities for visible dust plumes.	The project owner shall provide to the CPM a MCR.										Ongoing
AQ	SC05	PRE-OP		MCR	The AQCMM 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.	The project owner shall provide to the CPM a MCR.										Ongoing
AQ	SC06	OP			The project owner shall provide the CPM copies of all District issued Authority-to-Construct (ATC) and Permit-to-Operate (PTO) for the facility and any modifications proposed by the project owner to any project air permit for review and approval.	The project owner shall submit any ATC, PTO, and any proposed air permit modification to the CPM within five (5) working days of its submittal either by 1) the project owner to an agency, or 2) receipt of proposed modifications from an agency.										Ongoing
AQ	SC07a	OP		QCR	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 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.										Not Started
AQ	SC07b	OP		ACR		As part of the 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.										Not Started
AQ	SC08a	OP		QCR	Turbine hot/warm start-up NOx emissions shall not exceed 125 pounds per start-up event.	As part of the quarterly 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.										Not Started
AQ	SC08b	OP		ACR		As part of the 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.										Not Started
AQ	SC09a	OP		QCR	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.										Not Started
AQ	SC09b	OP		ACR		As part of the 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.										Not Started
AQ	SC15	OP		ACR	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.										Not Started

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AQ	SC16	OP		ACR	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.										Not Started
CONDITIONS FOR THE COMMISSIONING PERIOD																
AQ	1	PRE-OP		MCR	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 MCR to CPM specifying how this condition is being complied with.										Not Started
AQ	2	PRE-OP		MCR	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 MCR to CPM specifying how this condition is being complied with.										Not Started
AQ	3	PRE-OP		MCR	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 MCR to CPM specifying how this condition is being complied with.										Not Started
AQ	4	PRE-OP		MCR	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 project owner shall submit MCR to CPM specifying how this condition is being complied with.										Not Started
AQ	5	PRE-OP		MCR	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 firing hours, fuel flow rates, stack gas nitrogen oxide emission concentrations, stack gas carbon monoxide emission concentrations, and stack gas oxygen concentrations.	The project owner shall submit MCR to CPM specifying how this condition is being complied with.										Not Started
AQ	6	PRE-OP		MCR	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 project owner shall submit MCR to 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.										Not Started
AQ	7	PRE-OP		MCR	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.	The project owner shall submit MCR to CPM specifying how this condition is being complied with.										Not Started

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AQ	8	PRE-OP		MCR	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.	The project owner shall submit MCR to CPM specifying how this condition is being complied with.										Not Started
AQ	9	PRE-OP		MCR	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 MCR to CPM specifying how this condition is being complied with.										Not Started
AQ	10	PRE-OP		MCR	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 MCR to CPM specifying how this condition is being complied with.										Not Started
AQ	11	OP			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.	No later than 30 working days before commencement of source tests, the project owner shall submit to the District and CPM a detailed source test plan designed to satisfy the requirements of this condition.	Before commencement of source tests	30								Not Started
CONDITIONS FOR THE GAS TURBINES (S-1 & S-3) AND THE HRSGS (S-2 & S-4)																
AQ	12	OP		QCR	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.	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.										Not Started
AQ	13a	OP		QCR	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 compliance reports, the project owner shall include information on the date, time, and duration of any violation of this permit condition.										Not Started
AQ	13b	OP		ACR		As part of the annual compliance reports, the project owner shall include information on the date, time, and duration of any violation of this permit condition.										Not Started
AQ	14a	OP		QCR	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 compliance reports, the project owner shall include information on the date, time, and duration of any violation of this permit condition.										Not Started
AQ	14b	OP		ACR		As part of the annual compliance reports, the project owner shall include information on the date, time, and duration of any violation of this permit condition.										Not Started
AQ	15a	OP		QCR	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 compliance reports, the project owner shall include information on the date, time, and duration of any violation of this permit condition.										Not Started

RUSSELL CITY ENERGY CENTER COMPLIANCE MATRIX

CONDITION	NO.	Sort Code	CBO	PERIODIC REPORTS	Description of Project Owner Responsibilities (Conditions of Certification)	Verification/Action/Submittal Required by Project Owner	Timeframe	Days	Date Due to CEC CPM	Lead Respons. Party	Lead Person	Internal Start Date	Targeted Internal Finish Date	Date sent to CEC, CBO or agency	CITS Log Number	CEC Status
AQ	15b	OP		ACR		As part of the annual compliance reports, the project owner shall include information on the date, time, and duration of any violation of this permit condition.										Not Started
AQ	16a	OP		QCR	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 compliance reports, the project owner shall include information on the date, time, and duration of any violation of this permit condition.										Not Started
AQ	16b	OP		ACR		As part of the annual compliance reports, the project owner shall include information on the date, time, and duration of any violation of this permit condition.										Not Started
AQ	17a	OP		QCR	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 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.										Not Started
AQ	17b	OP		ACR		As part of the 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.										Not Started
AQ	18a	OP		QCR	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 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.										Not Started
AQ	18b	OP		ACR		As part of the 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.										Not Started
AQ	19	OP		QCR	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)	The project owner shall submit to the District and CPM, quarterly reports for the proceeding calendar quarter within 30 days from the end of the quarter. The report for the fourth quarter can be an annual compliance summary for the preceding year.										Not Started
AQ	19b	OP		ACR		The report for the fourth quarter can be an annual compliance summary for the preceding year.										Not Started
AQ	20a	OP		QCR	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 compliance reports as required by AQ-19.										Not Started
AQ	20b	OP		ACR		The project owner shall submit to the District and CPM the annual compliance reports as required by AQ-19.										Not Started

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AQ	21a	OP		QCR	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 compliance reports as required by AQ-19.										Not Started
AQ	21b	OP		ACR		The project owner shall submit to the District and CPM the annual compliance reports as required by AQ-19.										Not Started
AQ	22a	OP		QCR	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 noted limits during any calendar day.	The project owner shall submit to the District and CPM the quarterly compliance reports as required by AQ-19.										Not Started
AQ	22b	OP		ACR		The project owner shall submit to the District and CPM the annual compliance reports as required by AQ-19.										Not Started
AQ	23a	OP		QCR	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 noted limits during any consecutive twelve-month period.	The project owner shall submit to the District and CPM the quarterly compliance reports as required by AQ-19.										Not Started
AQ	23b	OP		ACR		The project owner shall submit to the District and CPM the annual compliance reports as required by AQ-19.										Not Started
AQ	24a	OP		QCR	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 compliance reports as required by AQ-19.										Not Started
AQ	24b	OP		ACR		The project owner shall submit to the District and CPM the annual compliance reports as required by AQ-19.										Not Started
AQ	25a	OP		QCR	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 noted limits.	The project owner shall submit to the District and CPM the quarterly compliance reports as required by AQ-19.										Not Started
AQ	25b	OP		ACR		The project owner shall submit to the District and CPM the annual compliance reports as required by AQ-19.										Not Started
AQ	26	PRE-OP			The owner/operator shall demonstrate compliance with AQ-13 through AQ-16, AQ-19(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 noted parameters.	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.	Before first fire	30								Not Started
AQ	27a	OP		QCR	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 project owner shall submit to the District and CPM the quarterly compliance reports as required by AQ-19.										Not Started
AQ	27b	OP		ACR		The project owner shall submit to the District and CPM the annual compliance reports as required by AQ-19.										Not Started

RUSSELL CITY ENERGY CENTER COMPLIANCE MATRIX

CONDITION	NO.	Sort Code	CBO	PERIODIC REPORTS	Description of Project Owner Responsibilities (Conditions of Certification)	Verification/Action/Submittal Required by Project Owner	Timeframe	Days	Date Due to CEC CPM	Lead Respons. Party	Lead Person	Internal Start Date	Targeted Internal Finish Date	Date sent to CEC, CBO or agency	CITS Log Number	CEC Status
AQ	28a	OP		QCR	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 project owner shall submit to the District and CPM the quarterly compliance reports as required by AQ-19.										Not Started
AQ	28b	OP		ACR		The project owner shall submit to the District and CPM the annual compliance reports as required by AQ-19.										Not Started
AQ	29a	OP			Within 90 days of start-up of the RCEC, the owner/operator shall conduct a 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 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.	Before execution of source tests	7								Not Started
AQ	29b	OP				Source test results shall be submitted to the District and to the CPM within sixty (60) days of the date of the tests.	Test date	60								Not Started
AQ	30a	OP			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 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.	Before execution of source tests	7								Not Started
AQ	30b	OP				Source test results shall be submitted to the District and to the CPM within sixty (60) days of the date of the tests.	Test date	60								Not Started
AQ	31a	OP			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).	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.	Before execution of source tests	7								Not Started
AQ	31b	OP				Source test results shall be submitted to the District and to the CPM within sixty (60) days of the date of the tests.	Test date	60								Not Started
AQ	32a	OP			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.	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.	Before execution of source tests	7								Not Started
AQ	32b	OP				Source test results shall be submitted to the District and to the CPM within sixty (60) days of the date of the tests.	Test date	60								Not Started

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AQ	33a	OP			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. 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)	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.	Before execution of source tests	7								Not Started
AQ	33b	OP				Source test results shall be submitted to the District and to the CPM within sixty (60) days of the date of the tests.	Test date	60								Not Started
AQ	34a	OP			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.	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.	Before execution of source tests	7								Not Started
AQ	34b	OP				Source test results shall be submitted to the District and to the CPM within sixty (60) days of the date of the tests.	Test date	60								Not Started
AQ	35	OP			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.	As required									Not Started
AQ	36	OP			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.	Open									Not Started
AQ	37a	OP		QCR	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)	Submittal of these notifications as required by this condition is the verification of these permit conditions. In addition, as part of the quarterly 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.										Not Started

RUSSELL CITY ENERGY CENTER COMPLIANCE MATRIX

CONDITION	NO.	Sort Code	CBO	PERIODIC REPORTS	Description of Project Owner Responsibilities (Conditions of Certification)	Verification/Action/Submittal Required by Project Owner	Timeframe	Days	Date Due to CEC CPM	Lead Respons. Party	Lead Person	Internal Start Date	Targeted Internal Finish Date	Date sent to CEC, CBO or agency	CITS Log Number	CEC Status
AQ	37b	OP		ACR		Submittal of these notifications as required by this condition is the verification of these permit conditions. In addition, as part of the 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.										Not Started
AQ	38	CONS			The owner/operator shall ensure that the stack height of emission points P-1 and P-2 is each at least 145 feet above grade level at the stack base. (PSD, Regulation 2-5)	At least 120 days prior to construction of the turbine stacks, the project owner shall provide the District and CPM an "approved for construction" drawing showing the appropriate stack height and location of sampling ports and platforms. The project owner shall make the site available to the District, EPA and CEC staff for inspection.	Prior to construction	120								Not Started
AQ	39	CONS			The owner/operator of RCEC shall provide adequate stack sampling ports and platforms to enable the performance of source testing. The location and configuration of the stack sampling ports shall comply with the District Manual of Procedures, Volume IV, Source Test Policy and Procedures, and shall be subject to BAAQMD review and approval. (Regulation 1-501)	At least 120 days prior to construction of the turbine stacks, the project owner shall provide the District and CPM an "approved for construction" drawing showing the appropriate stack height and location of sampling ports and platforms. The project owner shall make the site available to the District, EPA and CEC staff for inspection.	Prior to construction	120								Not Started
AQ	40	PRE-OP			Within 180 days of the issuance of the Authority to Construct for the RCEC, the owner/operator shall contact the BAAQMD Technical Services Division regarding requirements for the continuous emission monitors, sampling ports, platforms, and source tests required by AQ-29, 30, 32, 34, and 43.	Compliance with this condition is the verification of this permit condition.	Issuance of ATC	180								Not Started
AQ	41	OP			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 thirty (30) days after they are issued by the District.	After issued by District	30								Not Started
AQ	42	OP			Pursuant to 40 CFR Part 72.30(b)(2)(ii) of the Federal Acid Rain Program, the owner/operator of the Russell City Energy Center shall submit an application for a Title IV operating permit to the BAAQMD at least 24 months before operation of any of the gas turbines (S-1, S-3, S-5, or S-7) or HRSGs (S-2, S-4, S-6, or S-8). (Regulation 2, Rule 7)	The project owner shall submit to the CPM copies of the Federal (Title IV) Acid Rain and (Title V) Operating Permit within thirty (30) days after they are issued by the District.	After issued by District	30								Not Started
AQ	43	PRE-OP			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 sixty (60) days prior to the installation of the CEMS, the project owner shall seek approval from the District for an emission monitoring plan.	Prior to installation of CEMS	60								Not Started

PERMIT CONDITIONS FOR COOLING TOWERS

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AQ	44	CONS			The owner/operator shall properly install and maintain the S-5 cooling tower to minimize drift losses. The owner/operator shall equip the cooling tower with high-efficiency mist eliminators with a maximum guaranteed drift rate of 0.0005%. The maximum total dissolved solids (TDS) measured at the base of the cooling towers or at the point of return to the wastewater facility shall not be higher than 8,000 ppmw (mg/l). The owner/operator shall sample and test the cooling tower water at least once per day to verify compliance with this TDS limit (PSD).	At least 120 days prior to construction of the cooling tower, the project owner shall provide the District and CPM an "approved for construction" drawing and specifications for the cooling tower and the high-efficiency mist eliminator.	Prior to construction	120								Not Started
AQ	45a	OP		QCR	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.	The project owner shall submit to the District and CPM the quarterly compliance reports as required by AQ-19.										Not Started
AQ	45b	OP		ACR		The project owner shall submit to the District and CPM the annual compliance reports as required by AQ-19.										Not Started
PERMIT CONDITIONS FOR S-6 FIRE PUMP DIESEL ENGINE																
AQ	46a			QCR	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 compliance reports as required by AQ-19.										Not Started
AQ	46b			ACR		The project owner shall submit to the District and CPM the annual compliance reports as required by AQ-19.										Not Started
AQ	47a			QCR	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.	The project owner shall submit to the District and CPM the quarterly compliance reports as required by AQ-19.										Not Started
AQ	47b			ACR		The project owner shall submit to the District and CPM the annual compliance reports as required by AQ-19.										Not Started
AQ	48a			QCR	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 compliance reports as required by AQ-19.										Not Started
AQ	48b			ACR		The project owner shall submit to the District and CPM the annual compliance reports as required by AQ-19.										Not Started
AQ	49				The owner/operator shall maintain the following monthly records in a District-approved log for at least 60 months from the date of entry.	During site inspection, the project owner shall make all records and reports available to the District, ARB, EPA or CEC staff.	Open									Not Started
BIOLOGICAL RESOURCES																
DESIGNATED BIOLOGIST SELECTION																

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DESIGNATED BIOLOGIST DUTIES																	
BIO	2a	OP		MCR	The Designated Biologist shall perform the noted during any site (or related facilities) mobilization, ground disturbance, grading, construction, operation, and closure activities	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.											Ongoing
BIO	2b	OP		ACR		During project operation, the Designated Biologist shall submit record summaries in the Annual Compliance Report.											Not Started
DESIGNATED BIOLOGIST AUTHORITY																	
BIO	3	CONS			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.	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.	During construction										Ongoing
BIOLOGICAL RESOURCES MITIGATION IMPLEMENTATION AND MONITORING PLAN																	
BIO	4b	PRE-OP				Within thirty (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.	After completion of construction	30									Not Started
WORKER ENVIRONMENTAL AWARENESS PROGRAM																	
BIO	5b	PRE-OP		MCR		The project owner shall state in the Monthly Compliance Report the number of persons who have completed the training in the prior month and 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.											Ongoing
FACILITY CLOSURE																	
BIO	11	OP			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.	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.	Prior to commencement of closure activities	12 mos									Not Started
CONSTRUCTION NOISE LEVELS																	
BIRD FLIGHT DIVERTERS																	

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BIO	13	PRE-OP			Bird flight diverters will be placed on all overhead ground wires associated with the RCEC power plant.	No less than seven (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.	Prior to energizing new RCEC Tline	7								Not Started	
CULTURAL RESOURCES																	
CUL	3c	CONS				The CRR shall be submitted to the CPM within 90 days after completion of ground disturbance (including landscaping) for review and approval.	After completion of ground disturbance	90									Not Started
CUL	3d	CONS				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.	After CPM approval	10									Ongoing
CUL	4a	CONS		MCR	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.	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.								1/4/10	2010-0011		Ongoing
CUL	6a	CONS			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.	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.	During ground disturbance										Ongoing
CUL	6b	CONS		MCR		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.											Ongoing
CUL	7a	CONS			Prior to any form of debris removal, ground clearing, or grading at the Aladdin Parcel, Tomkins parcel, Zanette Parcel, Chess Parcel, Transmission Line Route Alternative 2, and portions of Alternative 1 subject to ground disturbance, the CPM shall be informed via e-mail or other method acceptable to the CPM, that debris removal, ground clearing, or grading is about to occur.	One week prior to any form of debris removal, ground clearing or grading at the Aladdin Parcel, Tomkins parcel, Zanette Parcel, Chess Parcel, Alternative 2 transmission line route, and Alternative 1 Transmission Line Route where there may be ground disturbance, the project owner shall inform the CPM via e-mail, or another method acceptable to the CPM, that the debris removal, ground clearing, or grading will begin within one week and that the CRS, alternate CRS or CRM(s) are available to monitor.	Prior to any form of debris removal, ground clearing or grading	7									Ongoing
CUL	7b	CONS				No later than one week after completion of each cleared earth examination or survey, and prior to any additional grading or ground disturbance, a letter report identifying survey personnel and detailing the methods, procedures, location, and results of the examinations or surveys shall be provided to the CPM for review and approval.	After completion of clearing	7									Ongoing
FACILITY DESIGN																	

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GEN	1	PRE-OP	X		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.	Within 30 days after receipt of the Certificate of Occupancy, the project owner shall submit to the 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.	After receipt of Certificate of Occupancy	30								Ongoing
GEN	2b	CONS		MCR		The project owner shall provide schedule updates in the Monthly Compliance Report.										Ongoing
GEN	3a	CONS	X		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.	The project owner shall make the required payments to the CBO in accordance with the agreement between the project owner and the CBO.										Ongoing
GEN	3b	CONS		MCR		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.										Ongoing
GEN	6a		X		Prior to the start of an activity requiring special inspection, the project owner shall assign to the project, qualified and certified special inspector(s) who shall be responsible for the special inspections required by the 2001 CBC, Chapter 17, Section 1701, Special Inspections, Section, 1701.5 Type of Work (requiring special inspection), and Section 106.3.5, Inspection and observation program.	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.	Prior to start of activity requiring special inspection	15								Ongoing
GEN	6b			MCR		The project owner shall also submit to the CPM a copy of the CBO's approval of the qualifications of all special inspectors in the next Monthly Compliance Report.								10/04/10 Submitted to CBO		Ongoing
GEN	7			MCR	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 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.										Ongoing
GEN	8		X	MCR	The project owner shall obtain the CBO's final approval of all completed work that has undergone CBO design review and approval. The project owner shall request the CBO to inspect the completed structure and review the submitted documents. 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.	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.									Ongoing	
CIVIL	2				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 notify the CPM, within five (5) days, when earthwork and construction is stopped as a result of unforeseen adverse geologic/soil conditions. Within five (5) 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.	Notify	5								Ongoing

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CIVIL	3a		X		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.	Within five (5) 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. Within five (5) days of resolution of the NCR, the project owner shall submit the details of the corrective action to the CBO and the CPM.	Discovery of discrepancy	5								Ongoing
CIVIL	3b			MCR		A list of NCRs, for the reporting month, shall also be included in the following Monthly Compliance Report.										Ongoing
CIVIL	4a		X		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.	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.	Completion of erosion and sediment control mitigation	30								Not Started
CIVIL	4b			MCR		The project owner shall submit a copy of this report to the CPM in the next Monthly Compliance Report.										Not Started
STRUC	1		X		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.	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.	Prior to start of any increment of construction of any structure	30								Ongoing
STRUC	2				The project owner shall submit to the CBO the required number of sets of the noted documents related to work that has undergone CBO design review and approval.	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.										Ongoing
STRUC	3a		X		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.									Ongoing	
STRUC	3b			MCR		The project owner shall notify the CPM, via the Monthly Compliance Report, when the CBO has approved the revised plans.										Ongoing
STRUC	4a		X		Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts specified in Chapter 3, Table 3-E of the 2001 CBC shall, at a minimum, be designed to comply with 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.	Prior to start of installation of tanks or vessels	30								Not Started

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STRUC	4b			MCR		The project owner shall send copies of the CBO approvals of plan checks to the CPM in the following Monthly Compliance Report. The project owner shall also transmit a copy of the CBO's inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.										Not Started
MECH	1a		X		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.	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, 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.	Prior to start of any increment of major piping or plumbing construction	30								Not Started
MECH	1b			MCR		The project owner shall send the CPM a copy of the transmittal letter from above in the next Monthly Compliance Report and include a copy of the transmittal letter conveying the CBO's inspection approvals.										Not Started
MECH	2a		X		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.	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.	Prior to start of on-site fabrication or installation of any pressure vessel	30								Not Started
MECH	2b			MCR		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.										Not Started
MECH	3		X		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.	Prior to start of construction of any HVAC or refrigeration system	30								Not Started
ELEC	1a		X		Prior to the start of any increment of electrical construction for electrical equipment and systems 480 volts and higher, listed below, with the exception of underground duct work and any physical layout drawings and drawings not related to code compliance and life safety, the project owner shall submit, for CBO design review and approval, the proposed final design, specifications and calculations	At least 30 days (or 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.	Prior to start of each increment of electrical construction	30						9/21/10		Ongoing

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ELEC	1b			MCR		The project owner shall include in this submittal a copy of the signed and stamped statement from the responsible electrical engineer attesting compliance with the applicable LORS, and shall send the CPM a copy of the transmittal letter in the next Monthly Compliance Report.										Ongoing
GEOLOGICAL RESOURCES																
GEO	2a				The assigned Engineering Geologist(s) shall carry out the duties required by the 2001 CBC, Appendix Chapter 33, Section 3309.4 Engineered Grading Requirement, and Section 3318.1- Final Reports.	Within 15 days after submittal of the application(s) for grading permit(s) to the CBO or other, the project Owner shall submit a signed statement to the CPM stating that the Engineering Geology Report has been submitted to the CBO as a supplement to the plans and specifications and that the recommendations contained in the report are incorporated into the plans and specifications.	After submittal of grading permit application	15								Ongoing
GEO	2b					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.	Completion of final grading	90								Not Started
HAZARDOUS MATERIALS MANAGEMENT																
HAZ	1			ACR	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. 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.										Not Started
HAZ	2				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).	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.	Prior to construction of hazmat storage facilities	60								Not Started
HAZ	3				The project owner shall develop and implement a Safety Management Plan (SMP) for delivery of ammonia and other liquid hazardous materials.	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.	Prior to delivery of any liquid hazmat	60								Not Started
HAZ	4				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.	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.	Prior to delivery of aqueous ammonia	60								Not Started

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HAZ	5				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.	Prior to receipt of sulfuric acid on-site	60								Not Started
HAZ	6				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.	Prior to receipt of aqueous ammonia	60								Not Started
HAZ	7				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 Clawiter 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.	Prior to receipt of any hazmat	60								Not Started
HAZ	8				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.	Prior to initial flow of gas in pipeline	30								Not Started
HAZ	9				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.	Prior to initial flow of gas	30								Not Started
HAZ	11				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.	Prior to delivery of aqueous ammonia	60								Not Started
HAZ	13				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.	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.	Prior to initial receipt of hazmat	30								Not Started
LAND USE																
NOISE AND VIBRATION																
NOISE	2				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 thirty (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.	Receipt of noise complaint	30								Ongoing

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NOISE	4				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 fifteen (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.	Prior to low-pressure continuous steam or air blow	15								Not Started
NOISE	5				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.	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.	Notifying entities	5								Not Started
NOISE	6				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.	Within thirty (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.	After completing postconstruction survey	30								Not Started
NOISE	7				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.	Within thirty (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.	After completing survey	30								Not Started
NOISE	8				Heavy equipment operation and noisy construction work shall be restricted to the times of day delineated	The project owner shall transmit to the CPM in the first monthly construction report a statement acknowledging that the above restrictions will be observed throughout the construction of the project.										Ongoing
PALEONTOLOGICAL RESOURCES																
PAL	4			MCR	At least 30 days prior to the start of project construction, the Project Owner shall submit to the CPM for review, comment, and approval, the proposed employee training program and the set of reporting procedures the workers are to follow if paleontologic resources are encountered during project construction.	The Project Owner shall include in the Monthly Compliance Reports a summary of paleontologic activities conducted by the designated Paleontologic Resource Specialist.										Ongoing
PAL	5				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.										Ongoing
PAL	6				The Project Owner shall ensure preparation of a Paleontologic Resources Report by the designated Paleontologic Resource Specialist.	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.	Following completion of analysis	90								Not Started

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PAL	7				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.	The Project Owner shall include a description of closure activities described above in the facility closure plan.										Not Started
PUBLIC HEALTH																
PH	1				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.	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.	Prior to commencement of cooling tower operations	60								Not Started
SOCIOECONOMICS																
SOIL & WATER RESOURCES																
WATER	3				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 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.										Not Started
WATER	4a				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.	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.	Prior to use of recycled water									Not Started
WATER	4b			ACR		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. 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.										Not Started
WATER	6b					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.	Prior to use of recycled water									Not Started
WATER	6c			ACR		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.										Not Started
WATER	7b	OP				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).	Following commercial operation date	60								Not Started

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WATER	9a	PRE-OP			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.	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.	Prior to commercial operations	60								Not Started
WATER	9b			ACR		During operations, the project owner shall submit any water quality monitoring required by the City to the CPM in the annual compliance report.										Not Started
TRAFFIC AND TRANSPORTATION																
TRANS	4	PRE-OP			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 thirty (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.	Prior to operations	30								Not Started
TRANS	9			MCR	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).										Ongoing
TRANS	10b					At least six (6) 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.	Prior to first test or commissioning	6 mos								Not Started
TRANS	10c					At least sixty (60) 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.	Prior to first test or commissioning	60								Not Started
TRANS	10d					At least sixty (60) 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.	Prior to first test or commissioning	60								Not Started
TRANS	10e					At least thirty (30) 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.	Prior to first test or commissioning	30								Not Started

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TRANS	10f					At least thirty (30) 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.	Prior to first test or commissioning	30								Not Started
TRANS	10f					The project owner shall provide simultaneously to the CPM copies of all advisories sent to the Hayward and Oakland Air Traffic Control Towers.										Not Started
TRANSMISSION LINE SAFETY AND NUISANCE																
TLSN	1				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 (30) 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.	Prior to construction of T-line or related	30								Not Started
TLSN	2			ACR	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.	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.										Not Started
TLSN	3				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 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.	After completion of measurements	60								Not Started
TLSN	4			ACR	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.										Not Started
TLSN	5				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.	At least 30 days before the lines are energized, the project owner shall transmit to the CPM a letter confirming compliance with this Condition.	Before energization	30								Not Started
TRANSMISSION SYSTEM ENGINEERING																
TSE	1a				The project owner shall furnish to the CPM and to the CBO a schedule of transmission facility design submittals, a Master Drawing List, a Master Specifications List, and a Major Equipment and Structure List.	At least 60 days (or a lesser number of days mutually agreed to by the project owner and the CBO) prior to the start of construction, the project owner shall submit the schedule, a Master Drawing List, and a Master Specifications List to the CBO and to the CPM.	Prior to start of construction	60								Ongoing
TSE	1b			MCR	The project owner shall furnish to the CPM and to the CBO a schedule of transmission facility design submittals, a Master Drawing List, a Master Specifications List, and a Major Equipment and Structure List.	The project owner shall provide schedule updates in the Monthly Compliance Report.										Ongoing
TSE	3				If any discrepancy in design and/or construction is discovered in any engineering work that has undergone CBO design review and approval, the project owner shall document the discrepancy and recommend corrective action.	The project owner shall submit a copy of the CBO's approval or disapproval of any corrective action taken to resolve a discrepancy to the CPM within 15 days of receipt.	Receipt	15								Not Started

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TSE	4a				For the power plant switchyard, outlet line and termination, the project owner shall not begin any increment of construction until plans for that increment have been approved by the CBO.	At least 30 days (or a lesser number of days mutually agreed to by the project owner and the CBO) prior to the start of each increment of construction, the project owner shall submit to the CBO for review and approval the final design plans, specifications and calculations for equipment and systems of the power plant switchyard, outlet line and termination, including a copy of the signed and stamped statement from the responsible electrical engineer attesting to compliance with the applicable LORS.	Prior to start of each increment of construction	30									Not Started
TSE	4b			MCR	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.	The project owner shall send the CPM a copy of the transmittal letter in the next Monthly Compliance Report.											Not Started
TSE	5				The project owner shall ensure that the design, construction and operation of the proposed transmission facilities will conform to all applicable LORS, including the requirements listed below. The project owner shall submit the required number of copies of the design drawings and calculations to the CBO as determined by the CBO.	At least sixty (60) days prior to the start of construction of transmission facilities (or a lesser number of days mutually agree to by the project owner and CBO, the project owner shall submit to the CBO for approval.	Prior to start of construction	60									Not Started
TSE	6				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.	At least sixty (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.	Priro to construction of T-line or related	60									Not Started
TSE	7				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.	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. 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.	Prior to initial synchronization with grid	7									Not Started
TSE	8				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.	Within sixty (60) days after first synchronization of the project, the project owner shall transmit to the CPM and CBO.	After first synchronization	60									Not Started
VISUAL RESOURCES																	
VIS	2a				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 sixty (60) days prior to installing the landscaping, the project owner shall submit the landscape plan to the CPM for review and approval.	Prior to first turbine roll and prior ot installing landscaping	60									Not Started

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VIS	2b			ACR	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.	The project owner shall report landscape maintenance activities, including replacement of dead vegetation, for the previous year of operation in the Annual Compliance Report.											Not Started
VIS	3a				Prior to first turbine roll, the project owner shall treat all project structures and buildings visible to the public a) in appropriate colors or hues that minimize visual intrusion and contrast by blending with the landscape; b) such that those structures and buildings have surfaces that do not create glare; and c) such that they are consistent with local laws, ordinances, regulations, and standards.	At least 60 (sixty) days prior to ordering the first structures that are color treated during manufacture, the project owner shall submit its proposed treatment plan to the CPM for review and approval.	Prior to ordering first color treated structures	60									Not Started
VIS	3b			ACR	Prior to first turbine roll, the project owner shall treat all project structures and buildings visible to the public a) in appropriate colors or hues that minimize visual intrusion and contrast by blending with the landscape; b) such that those structures and buildings have surfaces that do not create glare; and c) such that they are consistent with local laws, ordinances, regulations, and standards.	The project owner shall provide a status report regarding treatment maintenance in the Annual Compliance Report.											Not Started
VIS	4				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.	Prior to the first turbine roll, the project owner shall notify the CPM that the lighting is ready for inspection. If the CPM notifies the project owner that modifications to the lighting are needed, within thirty (30) days of receiving that notification the project owner shall implement the modifications.	Prior to first turbine roll and receiving notification	30									Not Started
VIS	6				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.	At least sixty (60) days prior to installing signage, the project owner shall submit the plan to the CPM for review and approval.	Prior to installing signage	60									Not Started
VIS	8				The project owner shall reduce the RCEC cooling tower and HRSG visible vapor plumes by the noted methods.	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.	Prior to first turbine roll	30									Not Started
VIS	9				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.	Within twelve (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.	After start of HRSG construction	12 mos									Not Started

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VIS	10b			ACR	Prior to the start of construction, the project owner shall prepare and implement an approved off-site landscaping plan. Consistent with Measure 3 of the Visual Mitigation Plan, the project owner shall install trees along the west side of the warehouse and industrial park complexes that line the eastern edge of the shoreline wetlands.	The project owner shall report landscape maintenance activities, including replacement of dead vegetation, for the previous year of operation in the Annual Compliance Report.										Not Started
VIS	11b			MCR	The project owner shall ensure that lighting for construction of the power plant is used in a manner that minimizes potential night lighting impacts.	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.										Ongoing
WASTE MANAGEMENT																
WASTE	1				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 ten (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.	Becoming aware of impending enforcement	10								Not Started
WASTE	2b				Prior to the start of both construction and operation, 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 Operation Waste Management Plan shall be submitted no less than thirty (30) days prior to the start of project operation for approval.	Prior to start of operation	30								Not Started
WASTE	2c			ACR	Prior to the start of both construction and operation, 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.	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.										Not Started
WASTE	4				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.	The project owner shall submit any reports filed by the Registered Professional Engineer or Geologist to the CPM within five (5) days of their receipt.	Receipt	5								Ongoing
WASTE	5				The project owner shall ensure that the ZLD salt cake is tested twice the first year of operation as per 22 CCR 66262.10 and report the findings to the CPM.	The project owner shall include the results of salt cake testing in annual report provided to the CPM. If two consecutive tests, taken six (6) months apart, show that the sludge is non-hazardous, the project owner may apply to the CPM to discontinue testing.										Not Started
WASTE	7			MCR	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.										Ongoing

RUSSELL CITY ENERGY CENTER COMPLIANCE MATRIX

CONDITION	NO.	Sort Code	CBO	PERIODIC REPORTS	Description of Project Owner Responsibilities (Conditions of Certification)	Verification/Action/Submittal Required by Project Owner	Timeframe	Days	Date Due to CEC CPM	Lead Respons. Party	Lead Person	Internal Start Date	Targeted Internal Finish Date	Date sent to CEC, CBO or agency	CITS Log Number	CEC Status
WASTE	8b				The project owner shall prepare in consultation with the CEC, City of Hayward Fire Department and the RWQCB a groundwater sampling plan to be part of the Soils Management Plan submitted in WASTE-9.	At least thirty (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.	Prior to start of commercial operations	30								Not Started
WASTE	11				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 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 thirty (30) days prior to plant closure or sale of property.	Prior to start of plant closure	30								Not Started
WASTE	12				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.										Ongoing
WORKER SAFETY AND FIRE PROTECTION																
SAFETY	2				The project owner shall submit to the CPM a copy of the Project Operations and Maintenance Safety and Health Program.	At least thirty (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.	Prior to start of operation	30								Not Started
SAFETY	3b			MCR		The CSS shall submit in the Monthly Compliance Report a monthly safety inspection report the noted items.										Ongoing

- Start of geoarch work
- Start of site mobilization, clearing and grubbing
- Install equipment foundations
- Start underground piping
- Start of electrical construction
- Erect water treatment building
- Install circ water pumps
- Erect cooling tower
- Erect HRSG
- Install transmission line
- Install Field Erected Tanks
- Start of Commissioning
- Complete Construction
- Start Steam Blows
- Performance Testing Begins
- CTG First Fire
- Complete Performance Testing
- Plant Commercial Operation