Russell City Energy Center
01-AFC-7C

Monthly Compliance Report #3
October 1 – October 31, 2010

1. Project Construction Status

   Ongoing Phase I earthwork of the soil from the location of the former Water Pollution Control Facility sludge drying beds to a stockpile tabletop on the East 'A' and Zannette Parcels from consolidated with a quicklime soils stabilization treatment and backfilling of the sludge drying bed area.

   Other site grading activities include earthwork and quicklime soil stabilization of the RCEC main access roadway from 3878 Depot Rd. A total of 32K yd of soil was treated during the month of October. Offsite disposal of approximately 3039 cubic yards of Class III unsuitable soil was hauled offsite to Waste Management Tri-City Landfill. Other activities included ongoing installation of temporary construction fence at 3898 Depot Road (Tompkins parcel).

   In addition, Minor grubbing and clearing was initiated at the City East parcel and installations of additional erosion control protection i.e., perimeter silt fence, inlet protection, and dust control measures to prepare for use as laydown.

   Final completion of the construction sediment pond #1 activities remain on hold pending receipt of the Alameda County flood tie-in permit, however, the contractor was able to set the 42" CMP riser (with blind flange to prevent discharge) and 30" CMP to RCEC property line.

   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	Copies of the CBO approvals for special inspectors are 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 report is attached
BIO-5	WEAP training was conducted for 18 on-site personnel.	PAL-3	A copy of the WEAP training records is 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 is 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 GEN-6, CIVIL-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.

7. Filings or permits from other agencies

   No permits were obtained from other agencies.

8. Projection of compliance activities for November 2010 – December 2010

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 daily 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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October 2010

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

25483-000-G02-GGG-00005
10/21/2010 REV 4

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	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 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	8/16/2010 Comment Response			See Comment Response to 25483-001-C2-0000-00001
4	CIVIL-1	CIVIL1 CE03 (REV0) (100913)	25483-000-3PS-CE03-00001	0	TECHNICAL SPECIFICATION FOR SOIL STABILIZATION	Specification		Civil	Q3, 2010	09/13/10	DG	GAKG-00020	9/17/10	9/24/10			SUPERSEDED BY REV 1 - PER CBO TRACKING LOG 9/24/10
5	CIVIL-1	CIVIL-CE03 (REV1) (100917)	25483-000-3PS-CE03-00001	1	TECHNICAL SPECIFICATION FOR SOIL STABILIZATION	Specification		Civil	Q3, 2010	09/17/10	DG	GAKG-00023	9/20/10	9/21/10		9/21/10	Approved
6	CIVIL-1		25483-000-3PS-NNP0-XXXXX		STANDARD SPECIFICATION FOR EXTERNAL THERMAL INSULATION AND LAGGING			Plant Design	Q1, 2011								
7	CIVIL-1		25483-000-3PS-NNP0-XXXXX		PROJECT SPECIFICATION FOR STEAM TURBINE EXTERNAL THERMAL INSULATION AND LAGGING			Plant Design	Q1, 2011								
8	CIVIL-1		25483-000-3PS-NX00-XXXXX		TECHNICAL SPECIFICATION FOR EXTERNAL COATING OF BURIED PIPELINES			Plant Design	Q1, 2011								
9	CIVIL-1		25483-000-3PS-PH06-XXXXX		TECHNICAL SPECIFICATION - FIELD DESIGN, FABRICATION AND INSTALLATION OF PIPE SUPPORTS			Plant Design	Q1, 2011								
10	CIVIL-1		25483-000-3PS-PS02-XXXXX		STANDARD SPECIFICATION FOR FIELD FABRICATION AND INSTALLATION OF PIPING			Plant Design	Q1, 2011								
11	CIVIL-1	CE01-(REV0) (100720)	25483-001-C2-0000-00001	0	SITE PLAN	Drawing	0	Civil	Q3, 2010	07/20/10	RK	GAKG-00001	8/3/10	Superseded by Rev 1			Sent Rev 0 to CBO on 7/20 and again 8/02
12	CIVIL-1	**CE01-(REV1) (100802)**	**25483-001-C2-0000-00001**	0	SITE PLAN	Drawing		Civil		08/02/10	RK	GAKG-00005	**8/17/10**	8/16/2010 Comment Response			RCEC Civil Document Plan Review Comments - Civil1 CE01 (Rev1); ABAG ESC Manual May 1995; CASQA BMP SE-2 Feb 2010 (New); CASQA BMP SE-2 Jan 2003 (Old)
13	CIVIL-1	CE01 (REV2) (100823)	25483-000-C2-0000-00002	H	CONSTRUCTION FACILITIES LAYOUT	Drawing		Civil	Q3, 2010	08/23/10		GAKG-00012	8/13/10 Reference Document	8/27/10			Reference Only
14	CIVIL-1	CE01 (REV2) (100823)	25483-000-C2K-0000-00001	C	CONSTRUCTION FENCE LAYOUT	Drawing		Civil	Q3, 2010	08/23/10		GAKG-00012	Reference Document Only	8/27/10			Reference Only
15	CIVIL-1		25483-000-CD-0100-00001		STORM WATER DRAINAGE PLAN			Civil	3/30/11								
16	CIVIL-1	CE01 (REV0) (100720)	25483-000-CG-0100-00001	1	ROUGH GRADING EXCAVATION PLAN	Drawing		Civil	Q3, 2010	07/20/10	RK	GAKG-00001	8/3/10	Superseded			Superseded by Rev 1
17	CIVIL-1	CE01 (REV1) (100802)	25483-000-CG-0100-00001	2	ROUGH GRADING EXCAVATION PLAN	Drawing		Civil	Q3, 2010	08/02/10	RK	GAKG-00005	8/17/10	8/16/10			Superseded by Rev 2 - RCEC Civil Document Plan Review Comments - Civil1 CE01 (Rev1); ABAG ESC Manual May 1995; CASQA BMP SE-2 Feb 2010 (New); CASQA BMP SE-2 Jan 2003 (Old)
18	CIVIL-1	CE01 (REV2) (100823)	25483-000-CG-0100-00001	4	ROUGH GRADING EXCAVATION PLAN (PHASE 1)	Drawing		Civil	Q3, 2010	08/23/10	RK	GAKG-00012	8/30/10	8/16/10	8/24/10	8/27/10	Bechtel Response to Plan Check Comments (8-24-10) Approved
19	CIVIL-1	**CE01 (REV5) (100917)**	**25483-000-CG-0100-00001**	5	ROUGH GRADING EXCAVATION PLAN (PHASE 1)	Drawing		Civil	Q3, 2010	09/17/10	RK	GAKG-00022	**9/22/10**	9/21/10		9/21/10	Approved
20	CIVIL-1	CE01 (REV0) (100720)	25483-000-CG-0100-00002	1	ROUGH GRADING BACKFILL PLAN	Drawing		Civil	Q3, 2010	07/20/10	RK	GAKG-00001	8/3/10	Superseded			Superseded by Rev 1
21	CIVIL-1	CE01 (REV1) (100802)	25483-000-CG-0100-00002	2	ROUGH GRADING BACKFILL PLAN	Drawing		Civil	Q3, 2010	08/02/10	RK	GAKG-00005	8/17/10	8/16/10			Superseded by Rev 2 - RCEC Civil Document Plan Review Comments - Civil1 CE01 (Rev1); ABAG ESC Manual May 1995; CASQA BMP SE-2 Feb 2010 (New); CASQA BMP SE-2 Jan 2003 (Old)
22	CIVIL-1	CE01 (REV2) (100823)	25483-000-CG-0100-00002	4	ROUGH GRADING BACKFILL PLAN (PHASE 1)	Drawing		Civil	Q3, 2010	08/23/10	RK	GAKG-00012	8/30/10	8/16/10	8/24/10	8/27/10	Approved
23	CIVIL-1	**CE01 (REV5) (100917)**	**25483-000-CG-0100-00002**	5	ROUGH GRADING BACKFILL PLAN (PHASE 1)	Drawing		Civil	Q3, 2010	**09/17/10**	RK	**GAKG-00022**	**9/22/10**	**9/21/10**		**9/21/10**	Approved
24	CIVIL-1	CE01 (REV0) (100720)	25483-000-CG-0100-00003	1	ROUGH GRADING PLAN	Drawing		Civil	Q3, 2010	07/20/10	RK	GAKG-00001	8/3/10	Superseded			Superseded by Rev 1

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25	CIVIL-1	CE01 (REV1) (100802)	25483-000-CG-0100-00003	2	ROUGH GRADING PLAN	Drawing		Civil	Q3, 2010	08/02/10	RK	GAKG-00001	8/3/10	8/16/10			Superseded by Rev 2 - RCEC Civil Document Plan Review Comments - Civil1 CE01 (Rev1); ABAG ESC Manual May 1995; CASQA BMP SE-2 Feb 2010 (New); CASQA BMP SE-2 Jan 2003 (Old)
26	CIVIL-1	CE01 (REV2) (100823)	25483-000-CG-0100-00003	4	ROUGH GRADING PLAN (PHASE 2)	Drawing		Civil	Q3, 2010	08/23/10	RK	GAKG-00012	8/30/10	8/16/10	8/24/10	8/27/10	Approved
27	CIVIL-1	**CE01 (REV5) (100917)**	**25483-000-CG-0100-00003**	5	ROUGH GRADING PLAN (PHASE 2)	Drawing		Civil	Q3, 2010	09/17/10	RK	GAKG-00022	**9/22/10**	9/21/10		9/21/10	Approved
28	CIVIL-1	CE01 (REV5) (100917)	25483-000-CG-0100-00004	0	ROUGH GRADING BACKFILL PLAN (PHASE 1A)	Drawing		Civil	Q3, 2010	09/17/10	RK	GAKG-00022	9/22/10	9/21/10		9/21/10	Approved
29	CIVIL-1	CE01 (REV0) (100720)	25483-000-CG-0190-00001	1	ROUGH GRADING DETAILS, SHEET 1	Drawing		Civil	Q3, 2010	07/20/10	RK	GAKG-00001	8/3/10	Superseded			Superseded by Rev 1
30	CIVIL-1	CE01 (REV1) (100802)	25483-000-CG-0190-00001	2	ROUGH GRADING DETAILS, SHEET 1	Drawing		Civil	Q3, 2010	08/02/10	RK	GAKG-00005	8/17/10	8/16/10			Superseded by Rev 2 - RCEC Civil Document Plan Review Comments - Civil1 CE01 (Rev1); ABAG ESC Manual May 1995; CASQA BMP SE-2 Feb 2010 (New); CASQA BMP SE-2 Jan 2003 (Old)
31	CIVIL-1	CE01 (REV2) (100823)	25483-000-CG-0190-00001	4	ROUGH GRADING DETAILS, SHEET 1	Drawing		Civil	Q3, 2010	08/23/10	RK	GAKG-00012	8/30/10	8/16/10	8/24/10	8/27/10	Approved
32	CIVIL-1	**CE01 (REV5) (100917)**	**25483-000-CG-0190-00001**	5	ROUGH GRADING DETAILS, SHEET 1	Drawing		Civil	Q3, 2010	09/17/10	RK	GAKG-00022	**9/22/10**	9/21/10		9/21/10	Approved
33	CIVIL-1	CE01 (REV0) (100720)	25483-000-CG-0190-00002	2	ROUGH GRADING DETAILS, SHEET 2	Drawing		Civil	Q3, 2010	07/20/10	RK	GAKG-00001	8/3/10	Superseded			Superseded by Rev 1
34	CIVIL-1	CE01 (REV1) (100802)	25483-000-CG-0190-00002	3	ROUGH GRADING DETAILS, SHEET 2	Drawing		Civil	Q3, 2010	08/02/10	RK	GAKG-00005	8/17/10	8/16/10			Superseded by Rev 2 - RCEC Civil Document Plan Review Comments - Civil1 CE01 (Rev1); ABAG ESC Manual May 1995; CASQA BMP SE-2 Feb 2010 (New); CASQA BMP SE-2 Jan 2003 (Old)
35	CIVIL-1	CE01 (REV2) (100823)	25483-000-CG-0190-00002	5	ROUGH GRADING DETAILS, SHEET 2	Drawing		Civil	Q3, 2010	08/23/10	RK	GAKG-00012	8/30/10	8/16/10	8/24/10	8/27/10	Approved
36	CIVIL-1	**CE01 (REV5) (100917)**	**25483-000-CG-0190-00002**	6	ROUGH GRADING DETAILS, SHEET 2	Drawing		Civil	Q3, 2010	09/17/10	RK	GAKG-00022	**9/22/10**	9/21/10		9/21/10	Approved
37	CIVIL-1	CE01 (REV3) (100901) Part 1 of 2	25483-000-CGN-0100-00001	n/a	DCN FOR ROUGH GRADING - EXCAVATION PLAN (PHASE 1) (ADD CLARIFICATION OF EXISTING UNDERGROUND UTILITIES)	DCN		Civil		09/01/10		GAKG-00015	9/7/10	10/12/10		10/12/10	Approved
38	CIVIL-1	CE01 (REV4) (100908)	25483-000-CGN-0100-00002	0	DCN FOR ROUGH GRADING - EXCAVATION PLAN (PHASE 1)	DCN		Civil	Q3, 2010	09/08/10	RK	GAKG-00019	9/10/10	9/10/10		9/9/10	Approved
39	CIVIL-1	CE01 (REV6) (101004)	25483-000-CGN-0100-00103	0	DCN FOR ROUGH GRADING - EXCAVATION PLAN (PHASE 1)	DCN		Civil		10/04/10		GAKG-00038	10/6/10	10/7/10		10/7/10	Approved
40	CIVIL-1	CE01 (REV7) (101007)	25483-000-CGN-0100-00004	0	DCN - REVISED MAIN ACCESS ROAD ALIGNMENT, ADDED FIELD NOTE FOR UTILITY MANHOLE MODIFICATION AND REVISED CONSTRUCTION ACCESS ROAD TO SHOW EXISTING PAVED ROAD	DCN		Civil		10/07/10	RK	GAKG-00039	10/8/01	10/11/10		10/11/10	Approved
41	CIVIL-1	CE01 (REV3) (100901) Part 1 of 2	25483-000-CGN-0190-00002	n/a	DCN FOR ROUGH GRADING DETAILS, SHEET 2 (REVISED ROAD OVER EXCAVATION DEPTH)	DCN		Civil		09/01/10		GAKG-00015	9/7/10	10/12/10		10/12/10	Approved
42	CIVIL-1	CE01 (REV4) (100908)	25483-000-CGN-0190-00003	0	DCN FOR ROUGH GRADING DETAILS SHEET 2	DCN		Civil	Q3, 2010	09/08/10	RK	GAKG-00019	9/10/10	9/10/10		9/9/10	Approved
43	CIVIL-1		25483-000-CPR-GCE-00001		PILE LOAD TEST REPORT - GEOTECHNICAL & HYDRAULIC ENGINEERING SERVICES			Civil	12/15/10								
44	CIVIL-1		25483-000-CS-0010-00001		FINISH GRADNG PLAN	Grading Plan		Civil	4/30/11								
45	CIVIL-1		25483-000-CS-0010-00002		FINISH PAVING PLAN	Paving Plan		Civil	4/30/11								
46	CIVIL-1		25483-000-CS-0090-00002		FINISH GRADING SECTIONS AND DETAILS	Grading Sections & Details		Civil	4/30/11								
47	CIVIL-1		25483-000-CS-0090-00003		FINISH GRADING SECTIONS AND DETAILS	Grading Sections & Details		Civil	4/30/11								
48	CIVIL-1		25483-000-CS-0200-00001		MAIN ACCESS ROAD PLAN AND PROFILE			Civil	4/30/11								
49	CIVIL-1		25483-000-D0-0000-00001		CIVIL/STRUCTURAL STANDARDS CONCRETE DETAILS, SHEET 1			Civil	10/21/10								

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50	CIVIL-1		25483-000-D0-0000-00002		CIVIL/STRUCTURAL STANDARDS CONCRETE DETAILS, SHEET 2			Civil	10/21/10								
51	CIVIL-1		25483-000-D0-0000-00003		CIVIL/STRUCTURAL STANDARDS CONCRETE DETAILS, SHEET 3			Civil	10/21/10								
52	CIVIL-1		25483-000-D0-0000-00004		CIVIL/STRUCTURAL STANDARDS CONCRETE DETAILS, SHEET 4			Civil	10/21/10								
53	CIVIL-1		25483-000-G27-GEK-00002	A	ENGINEERING GEOLOGY REPORT			Civil	08/10/10								
54	CIVIL-1		25483-000-K0C-7400-00001		STORM WATER MANAGEMENT BASIN SIZING CALCULATION			Civil	Q3, 2010								
55	CIVIL-1	CE01 (REV0) (100720)	25483-000-K0C-7400-00002	0	SEDIMENTATION BASIN SIZING CALCULATION	GHES - Calculation		Civil	Q3, 2010	07/20/10	RK	GAKG-00001	8/3/10	Superseded			Superseded by Rev 2 which was approved
56	CIVIL-1	**CE01 (REV2) (100823)**	**25483-000-K0C-7400-00002**	1	SEDIMENTATION BASIN SIZING CALCULATION	GHES - Calculation		Civil	Q3, 2010	08/23/10	RK	GAKG-00012	**8/30/10**	8/27/10		8/27/10	Approved
57	CIVIL-1		25483-000-K0C-7400-00003		STORM DRAIN SYSTEM DESIGN			Civil	4/30/10								
58	CIVIL-1		25483-000-P0-		EMBEDDED AND UNDERGROUND PIPING - GENERAL NOTES AND STANDARD DETAILS			Plant Design	Q1, 2011								
59	CIVIL-1	P102 (REV0) (100730)	25483-000-P1-7211-00001	A	GENERAL ARRANGEMENT - COOLING TOWER AREA - PLAN AT GRADE AND ABOVE	General Arrangement		Plant Design	Q4, 2010	07/30/10		GAKG-00004	Reference Document Only	8/18/2010			No Comments
60	CIVIL-1	P102 (REV0) (100730)	25483-000-P1-7211-00002	A	GENERAL ARRANGEMENT - COOLING TOWER AREA - PLAN AT GRADE AND ABOVE	General Arrangement		Plant Design	Q4, 2010	07/30/10		GAKG-00004	Reference Document Only	8/18/2010			No Comments
61	CIVIL-1	P102 (REV0) (100730)	25483-000-P1-7211-00003	A	GENERAL ARRANGEMENT - COOLING TOWER AREA - PLAN AT GRADE AND ABOVE	General Arrangement		Plant Design	Q4, 2010	07/30/10		GAKG-00004	Reference Document Only	8/18/2010			No Comments
62	CIVIL-1		25483-000-P1-		GENERAL ARRANGEMENT WATER TREATMENT AREA PLAN AT GRADE AND ABOVE			Plant Design	Q4, 2010								
63	CIVIL-1		25483-000-P1-		GENERAL ARRANGEMENT DRAWING, RECYCLED WATER STORAGE FACILITY AREA PLAN AT GRADE			Plant Design	Q4, 2010								
64	CIVIL-1		25483-000-P1-		GENERAL ARRANGEMENT DRAWING, ADMINISTRATION / WAREHOUSE BLDG. AREA PLAN			Plant Design	Q4, 2010								
65	CIVIL-1		25483-000-P1-		GENERAL ARRANGEMENT DRAWING, GAS METERING AND COMPRESSOR AREA PLAN AT GRADE AND			Plant Design	Q4, 2010								
66	CIVIL-1		25483-000-P1-0000-00001		PLOT PLAN			Plant Design	Q3, 2010								
67	CIVIL-1		25483-000-P30-AB-XXXXX		LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM (SAMPLE ISOMETRICS)			Plant Design	Q1, 2011								
68	CIVIL-1		25483-000-P30-AE-XXXXX		LARGE BORE PIPING ISOMETRIC - BOILER FEED WATER SYSTEM (SAMPLE ISOMETRICS)			Plant Design	Q1, 2011								
69	CIVIL-1		25483-000-P30-PW-XXXXX		LARGE BORE PIPING ISOMETRIC - POTABLE WATER SYSTEM			Plant Design	Q1, 2011								
70	CIVIL-1		25483-000-P30-XN-XXXXX		LARGE BORE PIPING ISOMETRIC - SANITARY DRAINS			Plant Design	Q1, 2011								
71	CIVIL-1		25483-000-P30-XW-XXXXX		LARGE BORE PIPING ISOMETRIC - WASTEWATER SYSTEM			Plant Design	Q1, 2011								
72	CIVIL-1		25483-000-P4-		UNDERGROUND PIPING COMPOSITE - FIRE PROTECTION SYSTEM			Plant Design	Q1, 2011								
73	CIVIL-1		25483-000-P6C-AB-XXXXX		STRESS CALCULATION FOR MAIN STEAM SYSTEM (SAMPLE)			Plant Design	Q1, 2011								
74	CIVIL-1		25483-000-P6C-AE-XXXXX		STRESS CALCULATION FOR BOILER FEED WATER (SAMPLE)			Plant Design	Q1, 2011								
75	CIVIL-1		25483-000-PHC-AB-XXXXX		PIPE SUPPORT DESIGN CALCULATIONS - MAIN STEAM SYSTEM (SAMPLE)			Plant Design	Q1, 2011								
76	CIVIL-1		25483-000-PHC-AE-XXXXX		PIPE SUPPORT DESIGN CALCULATIONS - BOILER FEED WATER SYSTEM (SAMPLE)			Plant Design	Q1, 2011								
77	CIVIL-1		25483-000-PHJ-PH01-XXXXX		SMALL BORE NON-ANALIZED PIPE HANGERS AND SUPPORT NOTES, SYMBOLS AND DETAILS			Plant Design	Q1, 2011								
78	CIVIL-1	P101 (REV0) (100727)	25483-001-P1-1111-00001	A	GENERAL ARRANGEMENT - HRSG UNIT 1 AREA PLAN AT GRADE AND ABOVE	General Arrangement		Plant Design	Q4, 2010	07/27/10	NONE	GAKG-00002	Reference Document Only	8/18/2010			No Comments
79	CIVIL-1	P101 (REV0) (100727)	25483-001-P1-1411-00001	A	GENERAL ARRANGEMENT - COMBUSTION TURBINE Unit 1 AREA PLAN AT GRADE AND ABOVE	General Arrangement		Plant Design	Q4, 2010	07/27/10	NONE	GAKG-00002	Reference Document Only	8/18/2010			No Comments

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80	CIVIL-1	P101 (REV0) (100727)	24583-000-P1-3312-00001	A	GENERAL ARRANGEMENT - STG/CTB TRANSFORMER AREA - PLAN AT GRADE AND ABOVE	General Arrangement		Plant Design	Q4, 2010	07/27/10	None	GAKG-00002	Reference Document Only	8/18/2010			No Comments
81	CIVIL-1	CE01 (REV0) (100720) CE01 (REV1) (100802)	25483-001-P1-0010-00001	A	RUSSELL CITY - PLOT PLAN	Plot Plan		Plant Design	Q1, 2011	7/20/10 8/2/10	NONE BR	GAKG-00001 GAKG-00005	Reference Document Only	8/16/10			
82	CIVIL-1	P101 (REV0) (100727)	24583-001-P1-3311-00001	A	GENERAL ARRANGEMENT - CTG TRANSFORMER AREA - PLAN AT GRADE AND ABOVE	General Arrangement		Plant Design	Q4, 2010	07/27/10	None	GAKG-00002	Reference Document Only	8/18/2010			No Comments
83	CIVIL-1	P101 (REV0) (100727)	25483-002-P1-1112-00001	A	GENERAL ARRANGEMENT - HRSG UNIT 2 AREA - PLAN AT GRADE AND ABOVE	General Arrangement		Plant Design	Q4, 2010	07/27/10	None	GAKG-00002	Reference Document Only	8/18/2010			No Comments
84	CIVIL-1	CIVIL1-P101 (REV0) (100727)	25483-002-P1-1412-00001	A	GENERAL ARRANGEMENT - COMBUSTION TURBINE UNIT 2 AREA - PLAN AT GRADE AND ABOVE	General Arrangement		Plant Design	Q4, 2010	07/27/10	None	GAKG-00002	Reference Document Only	8/18/2010			No Comments
85	CIVIL-1	CIVIL1-P101 (REV0) (100727)	25483-003-P1-2111-00001	A	GENERAL ARRANGEMENT - STEAM TURBINE UNIT 3 AREA - PLAN AT GRADE AND ABOVE	General Arrangement		Plant Design	Q4, 2010	07/27/10	None	GAKG-00002	Reference Document Only	8/18/2010			No Comments
86	CIVIL-1		25843-000-GPE-GXA-00004	0	MR. ROBB KRUMPEN, RPE CIVIL DRAINING/EROSION CONTROL	Resume		PE	Q2, 2010	06/22/10				7/15/10		7/15/10	Approved
87	CIVIL-1	CE01 (REV2) (100824)	25483-000-G27-GEGC-00001	0	RESPONSE TO PLAN CHECK COMMENTS	Comment Repsonse		Civil	8/31/10	08/24/10		GAKG-00013	Reference Document Only	8/27/2010			Summary of Comments on Project Engineer - Author: A. Cook - Reviewed by Lowell Brown
88			25483-000-GPE-GGG-00001	0	SOIL & WATER-2 (Notice of Intent) NOI STATE WATER RESOURCE CONTROL BOARD NOTICE OF INTENT	NOI		Civil					Reference Document Only	8/27/2010			Information Only - included in CBO Pkg for CIVIL1-CE01 (REV2) (100827) Part 1 and 2 and CIVIL1-DESP (REV1) (100827) Rec'd 8-27-10
89			25483-000-GPE-GXA-00010	0	SOIL & WATER-7 CONDITIONAL LETTER OF MAP REVISION FROM FEMA			Civil					Reference Document Only	8/27/2010			Information Only - included in CBO Pkg for CIVIL1-CE01 (REV2) (100827) Part 1 and 2 and CIVIL1-DESP (REV1) (100827) Rec'd 8-27-10
90	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	10/11/10 Comment Response 10/4/10 Comment Response			CBO Comments (10/11/10) Changing the Title of the Report, Version 1.3 CBO Comments (10/4/10) in zip fle of document, Version 1.2
91	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 Comment Response 10/4/10 Comment Response 9/30/10 Comment Response			CBO Comments (10/11/10) Changing the Title of the Report, Version 1.3 CBO Comments (10/4/10) in zip fle of document, Version 1.2 Response to CBO from Donald Gerken - Cover Note to Subsurface Investigation Report in document version 1.1 zip file and also included as the second page to Transmittal CIVIL1-GE03 (REV0) (100813) G26-GAKG-00011
92	ELEC-1		25483-000-3DR-E001-00001		ELECTRICAL DESIGN CRITERIA			Electrical	Q3, 2010								
93	ELEC-1		25483-000-E0C-ES01-00001		LOAD FLOW AND SHORT CIRCUIT CALCULATION			Electrical	Q4, 2010								
94	ELEC-1		25483-000-E0C-EW01-00001		CABLE SIZING UNDERGROUND			Electrical	Q4, 2010								
95	ELEC-1		25483-000-E0C-EW01-00002		CABLE SIZING ABOVEGROUND			Electrical	Q4, 2010								
96	ELEC-1	ELEC1-0001 (REV0) (100830)	25483-000-E1-0000-00001	0	MAIN ONE LINE DIAGRAM	Drawing		Electrical		08/30/10	KC	GAKG-00014	9/13/10	9/14/2010 Comment Response 10/18/10 Superseded by Rev 1			General Comments Rec'd from CBO: Select data shown on single line dwg is identified as being on hold (clouded elements). Items on hold include ratings of some buses, incoming breakers and ratings of some motor feeders and transformer data. Prior to approval of this submittal, all info comprising entire single line is requested.

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97	**ELEC-1**	**ELEC1-0001 (REV1) (101018)**	**25483-000-E1-0000-00001**	**1**	**MAIN ONE LINE DIAGRAM**	**Drawing**		**Electrical**		**10/18/10**	**KC**	**GAKG-00045**	**11/1/10**	**10/19/10**		**10/19/10**	**Approved**
98	ELEC-1		25483-000-E1-EK01-00001		SINGLE LINE METER AND RELAY DIAGRAM - 480 V STG LOAD CENTER			Electrical	Q4, 2010								
99	ELEC-1		25483-000-E1-EK01-00002		SINGLE LINE METER AND RELAY DIAGRAM - 480 V CTG/HRSG LOAD CENTER-1			Electrical	Q4, 2010								
100	ELEC-1		25483-000-E1-EK01-00003		SINGLE LINE METER AND RELAY DIAGRAM - 480 V CTG/HRSG LOAD CENTER-2			Electrical	Q4, 2010								
101	ELEC-1		25483-000-E1-EK01-00004		SINGLE LINE METER AND RELAY DIAGRAM - 480 V COOLING TOWER / WATER TREATMENT LOAD			Electrical	Q4, 2010								
102	ELEC-1		25483-000-E1-EK01-00005		SINGLE LINE METER AND RELAY DIAGRAM - 480 V COMMON AREA LOAD CENTER			Electrical	Q4, 2010								
103	ELEC-1		25483-000-E1-ES01-00001		SINGLE LINE METER AND RELAY DIAGRAM - 4.16KV SWITCHGEAR/MCC-1			Electrical	Q3, 2010								
104	ELEC-1		25483-000-E1-ES01-00002		SINGLE LINE METER AND RELAY DIAGRAM - 4.16KV SWITCHGEAR/MCC-2			Electrical	Q3, 2010								
105	ELEC-1		25483-000-E1-EY01-00001		PLANT SINGLE LINE METER & RELAY DIAGRAM CTG			Electrical	Q4, 2010								
106	ELEC-1		25483-000-E1-EY01-00002		PLANT SINGLE LINE METER & RELAY DIAGRAM STG			Electrical	Q4, 2010								
107	ELEC-1		25483-001-E3-1401-00001		HAZARDOUS AREA CLASSIFICATION DRAWING- UNIT 1 CTG AREA			Electrical	Q3, 2011								
108	ELEC-1		25483-002-E3-1401-00001		HAZARDOUS AREA CLASSIFICATION DRAWING- UNIT 2 CTG AREA			Electrical	Q3, 2011								
109	ELEC-1		25483-002-E3-6101-00001		HAZARDOUS AREA CLASSIFICATION DRAWING- GAS COMPRESSOR AREA			Electrical	Q3, 2011								
110	ELEC-1		25483-000-E4-3211-00001		ELECTRICAL EQUIPMENT LOCATION MAIN SWITCHGEAR BUILDING			Electrical	Q1, 2011								
111	ELEC-1		25483-000-E4-7211-00001		ELECTRICAL EQUIPMENT LOCATION COOLING TOWER SWITCHGEAR BUILDING			Electrical	Q1, 2011								
112	ELEC-1		25483-000-E8-0001-00001		ELECTRICAL LOAD LIST			Electrical	Q3, 2011								
113	ELEC-1	ELEC1-0002 (REV 0) (100921)	25483-000-EG-0000-00001	0	Grounding Notes, Symbols and Details, Sheet 1 of 3	Grounding Drawing		Electrical		9/21/10	KC	GAKG-00025	10/5/10	10/7/10		10/12/10	Approved
114	ELEC-1	ELEC1-0002 (REV 0) (100921)	25483-000-EG-0000-00002	0	Grounding Notes, Symbols and Details, Sheet 2 of 3	Grounding Drawing		Electrical		9/21/10	KC	GAKG-00025	10/5/10	10/7/10		10/12/10	Approved
115	ELEC-1	ELEC1-0002 (REV 0) (100921)	25483-000-EG-0000-00003	0	Grounding Notes, Symbols and Details, Sheet 3 of 3	Grounding Drawing		Electrical		9/21/10	KC	GAKG-00025	10/5/10	10/7/10		10/12/10	Approved
116	ELEC-1		25483-000-EG-2001-00001		GROUNDING PLAN - STEAM TURBINE AND DEMIN AREA			Electrical	Q4, 2010								
117	ELEC-1		25483-000-EG-3201-00001		GROUNDING AND LIGHTNING PROTECTION PLAN- MAIN SWGR BUILDING			Electrical	Q1, 2011								
118	ELEC-1		25483-000-EG-7101-00001		GROUNDING PLAN- WATER TREATMENT AREA			Electrical	Q1, 2011								
119	ELEC-1		25483-000-EG-7102-00001		GROUNDING AND LIGHTNING PROTECTION PLAN- TITLE 22 WATER TREATMENT AREA			Electrical	Q1, 2011								
120	ELEC-1		25483-000-EG-7201-00001		GROUNDING AND LIGHTNING PROTECTION PLAN COOLING TOWER AREA SHEET 1			Electrical	Q4, 2010								
121	ELEC-1		25483-000-EG-7201-00002		GROUNDING AND LIGHTNING PROTECTION PLAN COOLING TOWER AREA SHEET 2			Electrical	Q1, 2011								
122	ELEC-1		25483-000-EGC-EG01-00001		SYSTEM GROUND GRID CALCULATION			Electrical	Q4, 2010								
123	ELEC-1		25483-000-EGJ-00001-00001		GROUNDING NOTES SYMBOLS AND DETAILS			Electrical	Q3, 2010								
124	ELEC-1		25483-000-ELC-EL01-00001		LIGHTING ENERGY CALCULATIONS			Electrical	Q4, 2011								
125	ELEC-1		25483-000-EMC-EM01-00001		SETTINGS OF PROTECTIVE RELAYS ON 4.16KV SWITCHGEAR INCOMER, TIE AND TRANSFORMER FEEDERS			Electrical	Q1, 2012								
126	ELEC-1		25483-000-EMC-EM01-00002		SETTINGS OF PROTECTIVE RELAYS ON 4.16KV SWITCHGEAR MOTOR FEEDERS			Electrical	Q1, 2012								

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127	ELEC-1		25483-000-EMC-EM01-00003		SETTINGS OF PROTECTIVE RELAYS ON 480V LOAD CENTERS			Electrical	Q1, 2012								
128	ELEC-1		25483-000-EMC-EM01-00004		SETTINGS OF PROTECTIVE RELAYS FOR CTG			Electrical	Q2, 2012								
129	ELEC-1		25483-000-EMC-EM01-00005		SETTINGS OF PROTECTIVE RELAYS FOR STG			Electrical	Q2, 2012								
130	ELEC-1		25483-000-EMC-EM01-00006		ELECTRICAL PROTECTIVE RELAY SETTINGS FOR GSU TRANSFORMER FOR CTG AND STG, AND UNIT			Electrical	Q1, 2012								
131	ELEC-1		25483-001-EG-1101-00001		GROUNDING PLAN- UNIT 1 HRSG AREA			Electrical	Q4, 2010								
132	ELEC-1		25483-001-EG-1401-00001		GROUNDING PLAN - UNIT 1 COMBUSTION TURBINE			Electrical	Q4, 2010								
133	ELEC-1		25483-001-EG-3301-00001		GROUNDING PLAN- UNIT 1 MAIN TRANSFORMER AREA			Electrical	Q1, 2011								
134	ELEC-1		25483-002-EG-1101-00001		GROUNDING PLAN- UNIT 2 HRSG AREA			Electrical	Q4, 2010								
135	ELEC-1		25483-002-EG-1401-00001		GROUNDING PLAN - UNIT 2 COMBUSTION TURBINE			Electrical	Q4, 2010								
136	ELEC-1		25483-002-EG-3301-00001		GROUNDING AND LIGHTNING PROTECTION PLAN- UNIT 2 MAIN TRANSFORMER AREA			Electrical	Q1, 2011								
137	ELEC-1		25483-001-EG-1101-00002		LIGHTNING PROTECTION PLAN - UNIT 1 HRSG AREA			Electrical	Q4,2010								
138	ELEC-1		25483-001-EG-1401-00002		LIGHTNING PROTECTION PLAN - UNIT 1 COMBUSTION TURBINE			Electrical	Q4,2010								
139	ELEC-1		25483-002-EG-1101-00002		LIGHTNING PROTECTION PLAN- UNIT 2 HRSG AREA			Electrical	Q4,2010								
140	ELEC-1		25483-002-EG-1401-00002		LIGHTNING PROTECTION PLAN - UNIT 2 COMBUSTION TURBINE			Electrical	Q4,2010								
141	ELEC-1		25483-000-EG-2001-00002		LIGHTNING PROTECTION PLAN - STEAM TURBINE AND DEMIN AREA			Electrical	Q4,2010								
142	ELEC-1		25483-000-EG-7101-00002		LIGHTNING PROTECTION PLAN- WATER TREATMENT AREA			Electrical	Q1,2011								
143	ELEC-1	ELEC1-00003 (REV0) (100921)	25483-000-ER-0000-00001		UNDERGROUND RACEWAY NOTES, SYMBOLS AND DETAILS, SHEET 1 OF 2	Raceway Notes, Symbols & Details		Electrical		9/21/10	KC	GAKG-00026	10/5/10	10/7/10		10/7/10	Approved
144	ELEC-1	ELEC1-00003 (REV0) (100921)	25483-000-ER-0000-00002		UNDERGROUND RACEWAY NOTES, SYMBOLS AND DETAILS, SHEET 2 OF 2	Raceway Notes, Symbols & Details		Electrical		9/21/10	KC	GAKG-00026	10/5/10	10/7/10		10/7/10	Approved
145	GEN-2	0001 (REV1) (100727)	25483-000-G27-GEGC-00002	1	RESPONSE TO CBO COMMENTS ON 'RCEC - GEN-2 SUBMITTALS LIST 6-14-2010'	Master Drawing & Specification List		General		07/27/10		GAKG-00003	8/10/10	8/13/2010 Comment Response			Comment Response Form to include Fire Safety During Construction and Demolition (chapter 14); Emergency Planning and Preparedness (Chapter 4)
146	GEN-2		25483-000-3PS-CS01-00001		PAVING, BITUMINOUS, ROADS AND PARKING AREAS			Civil	4/30/11								
147	GEN-2	DB01 (REV0) (101011) (COMBO)	25483-000-3PS-DB01-00001	0	TECHNICAL SPECIFICATION FOR FURNISHING PORTLAND CEMENT CONCRETE	Specification		Civil	10/21/10	10/11/10	RK	GAKG-00041	10/21/10				
148	GEN-2	DB02 (REV0) (10107)	25483-000-3PS-DB02-00001	0	TECHNICAL SPECIFICATION FOR CONCRETE WORK	Specification		Civil	10/21/10	10/07/10	RK	GAKG-00043	10/21/10				
149	GEN-2		25483-000-3PS-DD00-00001		EMBEDDED STEEL AND ANCHOR BOLTS			Civil	11/30/10								
150	GEN-2		25483-000-3PS-DG01-00001		PURCHASE AND FABRICATION OF REINFORCING STEEL			Civil	11/30/10								
151	GEN-2	SY01 (REV0) (101007)	25483-000-3PS-SY01-00001	0	TECHNICAL SPECIFICATION FOR MATERIAL TESTING SERVICES FOR CONCRETE AND EARTHWORK	Specification		Civil		10/07/10	RK	GAKG-00042	10/21/10				
152	GEN-2	WS1-0000 (REV0) (1000930)	25483-000-4SP-T01G-00003	0	EMERGENCY PREPAREDNESS PLAN FOR RUSSELL CITY ENERGY CENTER (RCEC) PROJECT	Construction Emergency Preparedness Plan		Constlruction		9/30/2010 Reference Document		GAKG-00036	10/17/2010 Reference Document	10/21/10			Comments - zipped with document in IW 10/21/10
153	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ENG CALCULATIONS			Architectural	Q2, 2011								
154	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural	Q2, 2011								
155	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural	Q2, 2011								

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156	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural	Q2, 2011								
157	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural	Q2, 2011								
158	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural	Q2, 2011								
159	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural	Q2, 2011								
160	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural	Q2, 2011								
161	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural	Q2, 2011								
162	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural	Q2, 2011								
163	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural	Q2, 2011								
164	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural	Q2, 2011								
165	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural	Q2, 2011								
166	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural	Q2, 2011								
167	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural	Q2, 2011								
168	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural	Q2, 2011								
169	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural	Q2, 2011								
170	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural	Q2, 2011								
171	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL STANDARD ERECTION DETAILS			Architectural	Q2, 2011								
172	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING PROPOSED FLOOR PLAN			Architectural	Q2, 2011								
173	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING DATA/NOTES			Architectural	Q2, 2011								
174	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING FOUNDATION PLAN			Architectural	Q2, 2011								
175	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING FOUNDATION DETAILS			Architectural	Q2, 2011								
176	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING FOUNDATION DETAILS			Architectural	Q2, 2011								
177	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING FOUNDATION DETAILS			Architectural	Q2, 2011								
178	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING TYP WALL FRAMING DETAILS			Architectural	Q2, 2011								
179	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING SYS "ADDITIONAL STRUCTURAL CALCULATION"			Architectural	Q2, 2011								
180	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING SYS "ADDITIONAL STRUCTURAL CALCULATION"			Architectural	Q2, 2011								
181	GEN-2		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING SYSTEMS DESIGN CERTIFICATION			Architectural	Q2, 2011								
182	GEN-2		25483-000-V00-ECM1-XXXXX		CERTIFICATE OF COMPLIANCE - 480V MCC'S (BLACK BOX)			Electrical	Q4, 2011								
183	GEN-2		25483-000-V00-EDB0-XXXXX		CERTIFICATE OF COMPLIANCE - 125V DC/ 120V AC UPS EQUIPMENT (BLACK BOX)			Electrical	Q4, 2011								
184	GEN-2		25483-000-V00-EKL1-XXXXX		CERTIFICATE OF COMPLIANCE - 480V UNIT SUBSTATIONS (BLACK BOX)			Electrical	Q4, 2011								
185	GEN-2		25483-000-V00-ESL1-XXXXX		CERTIFICATE OF COMPLIANCE - 4.16KV SWITCHGEAR (BLACK BOX)			Electrical	Q4, 2011								
186	GEN-2		25483-000-V00-ETP0-XXXXX		CERTIFICATE OF COMPLIANCE - GENERATOR STEPUP TRANSFORMERS (BLACK BOX)			Electrical	Q4, 2011								
187	GEN-2		25483-000-V00-ETP1-XXXXX		CERTIFICATE OF COMPLIANCE - UNIT AUXILIARYTRANSFORMER (BLACK BOX)			Electrical	Q4, 2011								
188	GEN-2		25483-000-V00-JA03-XXXXX		CERTIFICATE OF COMPLIANCE - CONTINUOUS EMISSION MONITORING (BLACK BOX)			Electrical	Q4, 2011								
189	GEN-2		25483-000-V00-MCS0-XXXXX		CERTIFICATE OF COMPLIANCE - FUEL GAS COMPRESSOR (BLACK BOX)			Mechanical	Q3, 2011								
190	GEN-2		25483-000-V00-MPGB-XXXXX		CERTIFICATE OF COMPLIANCE - BOILER FEEDWATER PUMPS (BLACK BOX)			Mechanical	Q3, 2011								
191	GEN-2		25483-000-V00-MTS0-XXXXX		CERTIFICATE OF COMPLIANCE - AMMONIA SYSTEM (BLACK BOX)			Mechanical	Q3, 2011								
192	GEN-2		25483-000-V00-MTSW-XXXXX		STANDARD DETAILS FOR LIQUID TANKS W/ ENCAPSULATED BOLT HEADS			Mechanical	Q3, 2011								
193	GEN-2		25483-000-V00-MTSW-XXXXX		STANDARD DETAILS FOR LIQUID TANKS W/ ENCAPSULATED BOLT HEADS			Mechanical	Q3, 2011								

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194	GEN-2		25483-000-V00-MTSW-XXXXX		STANDARD LADDER ERECTION DRAWING			Mechanical	Q3, 2011								
195	GEN-2		25483-000-V00-MTSW-XXXXX		STANDARD LADDER ERECTION DRAWING			Mechanical	Q3, 2011								
196	GEN-2		25483-000-V00-MTSW-XXXXX		STANDARD ANCHOR BOLT LAYOUT FOR LIQUID PRODUCT BOLTED TANK			Mechanical	Q3, 2011								
197	GEN-2		25483-000-V00-MTSW-XXXXX		ERECTION DETAILS FOR BOLTED STEEL TANK			Mechanical	Q3, 2011								
198	GEN-2		25483-000-V00-MTSW-XXXXX		DESIGN CALCULATIONS FOR A BOLTED LIQUID STORAGE TANK			Mechanical	Q3, 2011								
199	GEN-2		LIST		BECHTEL CBO SUBMITTAL LIST			PE	6/14/10	7/2/10							
200	GEN-2		LIST		PROPOSED LIST OF DOCUMENTS FOR THE CTG EQUIPMENT FOR SIEMENS WESTINGHOUSE			PE	Q3, 2011								
201	GEN-2		LIST		PROPOSED LIST OF DOCUMENTS FOR THE STG EQUIPMENT FOR GENERAL ELECTRIC			PE	Q3, 2011								
202	GEN-5		25483-000-GPE-GXA-00001		MR. NASI HASHEMI, RPE ELECTRICAL ENGINEER	Resume		PE	Q2, 2010	07/02/10			07/15/10	07/15/10		07/15/10	Approved
203	GEN-5		25483-000-GPE-GXA-00002		MR. CHRIS LOY, RPE MECHANICAL ENGINEER	Resume		PE	Q2, 2010	07/02/10			07/15/10	07/15/10		07/15/10	Approved
204	GEN-5		25483-000-GPE-GXA-00003		MR. DON GERKEN, RPE/ RFE RESIDENT FIELD ENGINEER (CIVIL ENGINEER)	Resume		PE	Q2, 2010	07/02/10			07/15/10	07/15/10		07/15/10	Approved
205	GEN-5		25483-000-GPE-GXA-00004		MR. ROBB KRUMPEN, RPE CIVIL/STRUCTURAL ENGINEER	Resume		PE	Q2, 2010	07/02/10			07/15/10	07/15/10		07/15/10	Approved
206	GEN-5	0001-(REV1) (100809)	25483-000-GPE-GXA-00006		RESUME OF RESPONSIBLE ENGINEER - KOUSHIK CHANDA	Resume		Electrical		08/09/10		GAKG-00008	8/23/10	08/23/10		08/23/10	Approved
207	GEN-5	PEO1 (REV0) (100921)	25483-000-GPE-GXA-00007	0	JAMES THOMPSON STATE OF CALIF STATE BOARD OF REGISTRATION STRUCTURAL ENGINEER LICENSE	Engineer License		PE		09/21/10		GAKG-00024	10/4/10	09/24/10		09/24/10	Approved
208	GEN-5	PEO1 (REV0) (100921)	25483-000-GPE-GXA-00008	0	JAMES THOMPSON BIOGRAPHICAL INFORMATION - RESUME	Resume		PE		09/21/10		GAKG-00024	10/4/10	09/24/10		09/24/10	Approved
209	GEN-6	GEN6-SY01 (REV0) (101003)	25483-000-GPE-GXA-00012	0	SPECIAL INSPECTOR - SIGNET TESTING LABS INC - JEFF BOSQUE RESUME - GEN5	Special Inspector Resume		PE		10/04/10		GAKG-00037	10/11/10	10/15/10		10/15/10	Approved
210	GEN-6	GEN6-SY01 (REV0) (101003)	25483-000-GPE-GXA-00013	0	SPECIAL INSPECTOR - JOHN DAMM RESUME - SENIOR ENGINEER - GEOTECHNICAL AND HYDRAULIC ENGINEERING SERVICES - BECHTEL POWER CORP - GEN6	Special Inspector Resume		PE		10/04/10		GAKG-00037	10/11/10	10/15/10		10/15/10	Approved
211	GEN-6	GEN6-SY01 (REV0) (101003)	25483-000-GPE-GXA-00014	0	SPECIAL INSPECTOR - SAM HUI RESUME - SENIOR PRINCIPAL ENGINEER HYDRAULICS AND HYDROLOGY - GEN6	Special Inspector Resume		PE		10/04/10		GAKG-00037	10/11/10	10/15/10		10/15/10	Approved
212	GEN-6	GEN6-SY01 (REV0) (101003)	25483-000-GPE-GXA-00015	0	SPECIAL INSPECTOR - SIGNET TESTING LABS QUALIFICATON MATRIX	Special Inspector Qualification Matirx		PE		10/04/10		GAKG-00037	10/11/10	10/15/10		10/15/10	Approved
213	GEN-6	GEN6-SY01 (REV0) (101003)	25483-000-GPE-GXA-00016		SPECIAL INSPECTOR - (GEOTECHNICAL RPE APPROVED BY CBO) MR. DON GERKEN, RPE/ RFE RESIDENT FIELD ENGINEER (CIVIL ENGINEER)	Special Inspector Resume		PE		10/04/10		GAKG-00037	10/11/10	10/15/10		10/15/10	Approved
214	GEN-6		RESUME		MR. JOHN SIEMENS, RPE RESUME FOR SIEMENS			PE	Q4, 2010								
215	GEN-6		RESUME		MR. JOHN ELECTRIC, RPE FOR GENERAL ELECTRIC			PE	Q4, 2010								
216	MECH-1		25483-000-3DR-M10-00001		MECHANICAL DESIGN CRITERIA			Mechanical	Q4, 2010								
217	MECH-1	MECH1-0006 (REV0) (101004)	25483-000-30R-M82G-00001	0	FIRE PROTECTION HAZARDS EVALUATION PLAN	Fire Protection Plan		Mechanical		10/04/10		GAKG-00035	10/18/10 Reference Document	10/19/10			Comments for Fire Review RCEC included in IW 25483-000-30R-M82G-00001 zip file
218			25483-000-XX-XXXX-XXXXX		FIRE HAZARDS EVALUATION PLAN			Mechanical	Q2, 2011								
219	MECH-1		25483-000-M6J-YA-00001		P&ID SYMBOLS AND LEGENDS	P&ID		Mechanical	Q3, 2010								
220	MECH-1		25483-000-M6J-YA-00002		P&ID SYMBOLS AND LEGENDS	P&ID		Mechanical	Q3, 2010								
221	MECH-1		25483-000-M6J-YA-00003		P&ID SYMBOLS AND LEGENDS	P&ID		Mechanical	Q3, 2010								
222	MECH-1		25483-000-M6J-YA-00004		P&ID SYMBOLS AND LEGENDS	P&ID		Mechanical	Q3, 2010								

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223	MECH-1		25483-000-M6J-YA-00005		P&ID SYMBOLS AND LEGENDS	P&ID		Mechanical	Q3, 2010								
224	MECH-1	MECH1-00005 (REV0) (090930)	25483-000-M6-AB-00001	0	P&ID - STEAM SYSTEM	P&ID		Mechanical		09/30/10		GAKG-00034	10/14/10 Reference Document	10/15/10			Reviewed for Referenced Only
225	MECH-1	MECH1-00005 (REV0) (090930)	25483-000-M6-AB-00002	0	P&ID - STEAM SYSTEM	P&ID		Mechanical		09/30/10		GAKG-00034	10/14/10 Reference Document	10/15/10			Reviewed for Referenced Only
226	MECH-1	MECH1-00005 (REV0) (090930)	25483-000-M6-AB-00003	0	P&ID - STEAM SYSTEM	P&ID		Mechanical		09/30/10		GAKG-00034	10/14/10 Reference Document	10/15/10			Reviewed for Referenced Only
227	MECH-1	MECH1-00005 (REV0) (090930)	25483-000-M6-AB-00004	0	P&ID - STEAM SYSTEM	P&ID		Mechanical		09/30/10		GAKG-00034	10/14/10 Reference Document	10/15/10			Reviewed for Referenced Only
228	MECH-1	MECH1-00005 (REV0) (090930)	25483-000-M6-AB-00005	0	P&ID - STEAM SYSTEM	P&ID		Mechanical		09/30/10		GAKG-00034	10/14/10 Reference Document	10/15/10			Reviewed for Referenced Only
229	MECH-1	MECH1-00005 (REV0) (090930)	25483-000-M6-AB-00006	0	P&ID - STEAM SYSTEM	P&ID		Mechanical		09/30/10		GAKG-00034	10/14/10 Reference Document	10/15/10			Reviewed for Referenced Only
230	MECH-1	MECH1-0001 (REV0) (100907)	25483-000-M6-AD-00001	0	P&ID - CONDENSATE SYSTEM	P&ID		Mechanical		09/07/10		GAKG-00017	9/21/10 Reference Document				
231	MECH-1	MECH1-0001 (REV0) (100907)	25483-000-M6-AD-00002	0	P&ID - CONDENSATE SYSTEM	P&ID		Mechanical		09/07/10		GAKG-00017	9/21/10 Reference Document				
232	MECH-1	MECH1-0001 (REV0) (100907)	25483-000-M6-AD-00003	0	P&ID - CONDENSATE SYSTEM	P&ID		Mechanical		09/07/10		GAKG-00017	9/21/10 Reference Document				
233	MECH-1	MECH1-0001 (REV0) (100907)	25483-000-M6-AD-00004	0	P&ID - CONDENSATE SYSTEM	P&ID		Mechanical		09/07/10		GAKG-00017	9/21/10 Reference Document				
234	MECH-1	MECH1-0001 (REV0) (100907)	25483-000-M6-AE-00001	0	P&ID - CONDENSATE SYSTEM	P&ID		Mechanical		09/07/10		GAKG-00018	9/21/2010 - Reference Document				
235	MECH-1	MECH1-0001 (REV0) (100907)	25483-000-M6-AE-00002	0	P&ID - CONDENSATE SYSTEM	P&ID		Mechanical		09/07/10		GAKG-00018	9/21/2010 - Reference Document				
236	MECH-1	MECH1-0002 (REV0) (100928)	25483-000-M6-FG-00001	C	P&ID - FUEL GAS SYSTEM	P&ID		Mechanical		09/28/10		GAKG-00031	10/12/10 Reference Document	10/14/10			Reviewed for Referenced Only
237	MECH-1	MECH1-0002 (REV0) (100928)	25483-000-M6-FG-00002	B	P&ID - FUEL GAS SYSTEM	P&ID		Mechanical		09/28/10		GAKG-00031	10/12/10 Reference Document	10/14/10			Reviewed for Referenced Only
238	MECH-1	MECH1-0002 (REV0) (100928)	25483-000-M6-FG-00003	B	P&ID - FUEL GAS SYSTEM	P&ID		Mechanical		09/28/10		GAKG-00031	10/12/10 Reference Document	10/14/10			Reviewed for Referenced Only
239	MECH-1	MECH1-0003 (REV0) (100928)	25483-000-M6-PF-00001	C	P&ID FIRE PROTECTION SYSTEM	P&ID		Mechanical		09/28/10		GAKG-00032	10/12/10 Reference Document	10/14/10			Comment sheet included in zip file of P&ID
240	MECH-1	MECH1-0003 (REV0) (100928)	25483-000-M6-PF-00002	C	P&ID FIRE PROTECTION SYSTEM	P&ID		Mechanical		09/28/10		GAKG-00032	10/12/10 Reference Document	10/14/10			Comment sheet included in zip file of P&ID
241	MECH-1	MECH1-0003 (REV0) (100928)	25483-000-M6-PF-00003	A	P&ID FIRE PROTECTION SYSTEM	P&ID		Mechanical		09/28/10		GAKG-00032	10/12/10 Reference Document	10/14/10			Comment sheet included in zip file of P&ID
242	MECH-1		25483-000-M6-PW-00001		P&ID DOMESTIC WATER SYSTEM	P&ID		Mechanical	Q4, 2010								
243	MECH-1	MECH1-0007 (REV0) (101020)	25483-0-M6-TW-00001	A	P&ID- Zero Liquid Discharge (ZLD) System	P&ID		Mechanical		10/20/10		GAKG-00047	11/3/10 Reference Document				
244	MECH-1	MECH1-0004 (REV0) (100928)	25483-000-M6-WB-00001	A	P&ID - CLOSE COOLING WATER SYSTEM	P&ID		Mechanical		09/28/10		GAKG-00033	10/12/10 Reference Document	10/14/10			Reviewed for Referenced Only
245	MECH-1	MECH1-0004 (REV0) (100928)	25483-000-M6-WB-00002	A	P&ID - CLOSE COOLING WATER SYSTEM	P&ID		Mechanical		09/28/10		GAKG-00033	10/12/10 Reference Document	10/14/10			Reviewed for Referenced Only

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246	MECH-1	MECH1-0001 (REV0) (100914)	25483-000-M6-WL-00001	A	P&ID - CIRCULATING WATER SYSTEM	P&ID		Mechanical		09/14/10		GAKG-00021	9/28/10-Reference Document	10/20/10			Reviewed for Referenced Only
247	MECH-1	MECH1-0001 (REV0) (100914)	25483-000-M6-WL-00002	A	P&ID - CIRCULATING WATER SYSTEM	P&ID		Mechanical		09/14/10		GAKG-00021	9/28/10-Reference Document	10/20/10			Reviewed for Referenced Only
248	MECH-1		25483-000-M6-XW-00005		P&ID SANITARY WASTE SYSTEM	P&ID		Mechanical	Q2, 2011								
249	MECH-1		25483-000-V00-MLXR-XXXXX		WATER TREATMENT GENERAL ARRANGMENT PLAN AND STRUCTURAL NOTES			Mechanical	Q4, 2010								
250	MECH-1		25483-000-V00-MLXR-XXXXX		WATER TREATMENT LOAD TABLE			Mechanical	Q4, 2010								
251	MECH-1		25483-000-V00-MLXR-XXXXX		WATER TREATMENT ANCHOR BOLT LAYOUT PLAN			Mechanical	Q4, 2010								
252	MECH-1		25483-000-V00-MEVV-XXXXX		WATER TREATMENT GENERAL ARRANGMENT PLAN AND STRUCTURAL NOTES			Mechanical	Q4, 2010								
253	MECH-1		25483-000-V00-MEVV-XXXXX		WATER TREATMENT LOAD TABLE			Mechanical	Q4, 2010								
254	MECH-1		25483-000-V00-MEVV-XXXXX		WATER TREATMENT ANCHOR BOLT LAYOUT PLAN			Mechanical	Q4, 2010								
255	MECH-3		25483-000-3PS-MA00-00000		FURNISHING, DESIGNING, INSTALLING AND TESTING OF HVAC SYSTEMS			Mechanical	Q2, 2011								
256	MECH-3		25483-000-MOC-VB-00001		HVAC SYSTEM REQUIREMENTS (MISC BUILDINGS)			Mechanical	Q2, 2011								
257	MECH-3		25483-000-V00-MA00-XXXXX		HVAC SYSTEM DESIGN CALCULATIONS			Mechanical	Q2, 2011								
258	MECH-3		25483-000-V00-MA00-XXXXX		HVAC EQUIPMENT SCHEDULE AND LEGEND			Mechanical	Q3, 2011								
259	MECH-3		25483-000-V00-MA00-XXXXX		HVAC TEMPERATURE CONTROL DETAILS			Mechanical	Q3, 2011								
260	MECH-3		25483-000-V00-MA00-XXXXX		HVAC ELEC. SWITCHGEAR, SWITCHYARD CONTROL HOUSE, ACC MCC BLDG, MECHANICAL			Mechanical	Q3, 2011								
261	NOISE-1		25483-000-3RC-H01G-00004		NOISE CONTROL PLAN			Mechanical	Q4, 2010								
262	STRUC-1		25483-000-3PS-CG01-00001		TECHNICAL SPECIFICATION FOR THE DESIGN AND CONSTRUCTION OF THE SITE ROAD			Civil	Q2, 2011								
263	MECH-1	MECH1-0007 (REV0) (101020)	25483-000-M6-WR-00001	A	P&ID- RECYCLED WATER SYSTEM	P&ID		Mechanical		10/20/10		GAKG-00047	11/3/10 Reference Document				
264	STRUC-1	STRUC1-CP00 (REV0) (101018)	25483-000-3PS-CP00-00001	1	TECHNICAL SPECIFICATION FOR DESIGNING, FURNISHING, INSTALLING, AND TESTING DRIVEN PRECAST PRESTRESSED CONCRETE PILES	Specification		Civil		10/18/10	DG	GAKG-00046	11/1/10				
265	STRUC-1	STRUC1 - DB01 (REV0) (101011) (COMBO)	25483-000-3PS-DB01-00001	0	TECHNICAL SPECIFICATION FOR FURNISHING PORTLAND CEMENT CONCRETE	Specification		Civil	10/21/10	10/11/10	RK	GAKG-00041	10/21/10				
266	STRUC-1		25483-000-3PS-SY01-00001		CONCRETE AND EARTHWORK TESTING SERVICES			Civil	10/21/10								
267	STRUC-1		25483-000-3SS-SS-701		TECHNICAL SPECIFICATION FOR PURCHASE OF STRUCTURAL AND MISCELLANEOUS STEEL			Civil	Q1, 2011								
268	STRUC-1		25843-000-A1-3210-00001		COOLING TOWER ELECTRICAL BUILDING PLAN			Architectural	Q1, 2011								
269	STRUC-1		25843-000-A1-3210-00002		ELECTRICAL SWITCHGEAR BUILDING PLAN			Architectural	Q1, 2011								
270	STRUC-1		25843-000-A1-3210-00003		STG ELECTRICAL BUILDING PLAN			Architectural	Q1, 2011								
271	STRUC-1		25843-000-A2-3290-00001		COOLING TOWER ELECTRICAL BUILDING ELEVATIONS, SECTIONS			Architectural	Q1, 2011								
272	STRUC-1		25843-000-A2-3290-00002		ELECTRICAL SWITCHGEAR BUILDING ELEVATIONS AND SECTIONS			Architectural	Q1, 2011								
273	STRUC-1		25843-000-A2-3290-00003		STG ELECTRICAL BUILDING ELEVATIONS AND SECTIONS			Architectural	Q1, 2011								
274	STRUC-1		25843-000-V00-AKBS-XXXXX		WT LAB/RWF ELECTRICAL BUILDING PLANS, ELEVATIONS			Architectural	Q2, 2011								
275	STRUC-1		25843-000-V00-AKBS-XXXXX		WT LAB/RWF ELECTRICAL BUILDING ENGINEERING CALCULATIONS			Architectural	Q2, 2011								
276	STRUC-1		25843-000-V00-AKBS-XXXXX		WT LAB/RFP ELECTRICAL BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural	Q2, 2011								
277	STRUC-1		25843-000-V00-AKBS-XXXXX		WT LAB/RFP ELECTRICAL BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural	Q2, 2011								

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278	STRUC-1		25843-000-V00-AKBS-XXXXX		WT LAB/RFP ELECTRICAL BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural	Q2, 2011								
279	STRUC-1		25843-000-V00-AKBS-XXXXX		WT LAB/RFP ELECTRICAL BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural	Q2, 2011								
280	STRUC-1		25843-000-V00-AKBS-XXXXX		WT LAB/RFP ELECTRICAL BUILDING DETAILS			Architectural	Q2, 2011								
281	STRUC-1		25843-000-V00-AKBS-XXXXX		WT LAB/RFP ELECTRICAL BUILDING FRAMING DETAILS			Architectural	Q2, 2011								
282	STRUC-1		25843-000-V00-AKBS-XXXXX		WT LAB/RFP ELECTRICAL BUILDING DESIGN CERTIFICATION			Architectural	Q2, 2011								
283	STRUC-1		25843-000-V00-AKBS-XXXXX		BUILDING DATA AND NOTES			Architectural	Q2, 2011								
284	STRUC-1		25843-000-V00-AKBS-XXXXX		ZLD CONTROL AND ELECTRICAL BUILDING PLANS, ELEVATIONS			Architectural	Q2, 2011								
285	STRUC-1		25843-000-V00-AKBS-XXXXX		ZLD CONTROL AND ELECTRICAL BUILDING ENGINEERING CALCULATIONS			Architectural	Q2, 2011								
286	STRUC-1		25843-000-V00-AKBS-XXXXX		ZLD CONTROL AND ELECTRICAL BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural	Q2, 2011								
287	STRUC-1		25843-000-V00-AKBS-XXXXX		ZLD CONTROL AND ELECTRICAL BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural	Q2, 2011								
288	STRUC-1		25843-000-V00-AKBS-XXXXX		ZLD CONTROL AND ELECTRICAL BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural	Q2, 2011								
289	STRUC-1		25843-000-V00-AKBS-XXXXX		ZLD CONTROL AND ELECTRICAL BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural	Q2, 2011								
290	STRUC-1		25843-000-V00-AKBS-XXXXX		ZLD CONTROL AND ELECTRICAL BUILDING DETAILS			Architectural	Q2, 2011								
291	STRUC-1		25843-000-V00-AKBS-XXXXX		ZLD CONTROL AND ELECTRICAL BUILDING FRAMING DETAILS			Architectural	Q2, 2011								
292	STRUC-1		25843-000-V00-AKBS-XXXXX		ZLD CONTROL AND ELECTRICAL BUILDING DESIGN CERTIFICATION			Architectural	Q2, 2011								
293																	
294	STRUC-1		25843-000-V00-AKBS-XXXXX		ADMIN BUILDING FIRE PROTECTION DESIGN CALCULATIONS			Architectural	Q1, 2011								
295	STRUC-1		25843-000-V00-AKBS-XXXXX		ADMIN BUILDING FIRE PROTECTION DRAWINGS			Architectural	Q1, 2011								
296	STRUC-1		25843-000-V00-AKBS-XXXXX		Admin Building HVAC system design calculations			Structural	Q4, 2010								
297	STRUC-1		25843-000-V00-AKBS-XXXXX		Admin Building HVAC system drawings			Civil	10/30/10								
298	STRUC-1		25843-000-V00-AKBS-XXXXX		Admin Building lighting and electrical design calculations			Structural	Q4, 2010								
299	STRUC-1		25483-000-DB-2111-00001		INTERNAL DRAIN TANK PIT PLAN, SECTIONS & DETAILS			Civil	Q2, 2011								
300	STRUC-1		25483-000-DB-2111-00002		INTERNAL DRAIN TANK PIT SECTIONS AND DETAILS			Civil	Q2, 2011								
301	STRUC-1		25483-000-DB-3200-00001		ELECTRICAL/SWITCHGEAR BUILDING FOUNDATION			Civil	Q2, 2011								
302	STRUC-1		25483-000-DB-3290-00001		ELECTRICAL/SWITCHGEAR BUILDING FOUNDATION SECTIONS AND DETAILS			Civil	Q2, 2011								
303	STRUC-1		25483-000-DB-3290-00002		ELECTRICAL/SWITCHGEAR BUILDING FOUNDATION			Civil	Q1, 2011								
304	STRUC-1		25483-000-DB-6110-00001		AMMONIA STORAGE TANK FOUNDATION PLAN SECTIONS AND DETAILS			Civil	Q2, 2011								
305	STRUC-1		25483-000-DB-7110-00001		FIRE/FILTER & DEMINERALIZED WATER TANK FOUNDATIONS PLAN - SECTION AND DETAILS			Civil	Q2, 2011								
306	STRUC-1		25483-000-DB-7110-00002		WATER TREATMENT BUILDING FOUNDATION PLAN			Civil	Q2, 2011								
307	STRUC-1		25483-000-DB-7110-00003		WATER TREATMENT BUILDING PAD & ANCHOR BOLT LOCATION PLAN			Civil	Q2, 2011								
308	STRUC-1		25483-000-DB-7110-00004		WATER TREATMENT MISC. YARD EQUIPMENT FOUNDATION			Civil	Q2, 2011								
309	STRUC-1		25483-000-DB-7190-00001		TITLE 22 RECYCLED WATER TREATMENT FACILITY FOUNDATIONS SECTIONS & DETAILS			Civil	Q2, 2011								
310	STRUC-1		25483-000-DB-7190-00002		ZERO LIQUID DISCHARGE FACILITY FOUNDATIONS SECTIONS & DETAILS			Civil	Q2, 2011								

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311	STRUC-1		25483-000-DB-7210-00002		COOLING TOWER CONCRETE FOUNDATIONS SHEET 1			Civil	Q2, 2011								
312	STRUC-1		25483-000-DB-7210-00003		COOLING TOWER CONCRETE FOUNDATIONS SHEET 2			Civil	Q2, 2011								
313	STRUC-1		25483-000-DB-7210-00004		COOLING TOWER CONCRETE FOUNDATIONS SHEET 3			Civil	Q2, 2011								
314	STRUC-1		25483-000-DB-7210-00005		COOLING TOWER CONCRETE FOUNDATIONS SHEET 4			Civil	Q2, 2011								
315	STRUC-1		25483-000-DB-7290-00001		COOLING TOWER CONCRETE NEAT LINE AND REINFORCING			Civil	Q2, 2011								
316	STRUC-1		25483-000-DB-7710-00001		OIL/WATER SEPARATOR-FOUNDATIONS PLAN SECTIONS AND DETAILS			Civil	Q2, 2011								
317	STRUC-1		25483-000-DB-9010-00001		MISCELLANEOUS CONCRETE FOUNDATION			Civil	Q2, 2011								
318	STRUC-1		25483-000-DB-9010-00002		MISCELLANEOUS CONCRETE FOUNDATION SHEET 2			Civil	Q2, 2011								
319	STRUC-1		25483-000-DB-9210-00001		PIPE RACK FOUNDATION CONCRETE NEAT LINE & REINFORCING PLAN, SHEET 1			Civil	Q2, 2011								
320	STRUC-1		25483-000-DB-9210-00002		PIPE RACK FOUNDATION CONCRETE NEAT LINE & REINFORCING PLAN, SHEET 2			Civil	Q2, 2011								
321	STRUC-1		25483-000-DB-9290-00001		PIPE RACK FOUNDATION SECTIONS AND DETAILS			Civil	Q2, 2011								
322	STRUC-1		25483-000-DBC-1110-00001		DESIGN OF HRSG AND STACK FOUNDATION, UNIT 1			Civil	Q1, 2011								
323	STRUC-1		25483-000-DBC-1110-00004		HRSG STAIR FOUNDATION, UNIT 2			Civil	Q1, 2011								
324	STRUC-1		25483-000-DBC-1110-00005		HRSG AREA SLAB			Civil	Q1, 2011								
325	STRUC-1		25483-000-DBC-1110-00006		KETTLE BOILER PIERS			Civil	Q2, 2011								
326	STRUC-1		25483-000-DBC-1210-00001		BOILER FEEDWATER PUMP BUILDING FOUNDATION			Civil	Q2, 2011								
327	STRUC-1		25483-000-DBC-1210-00002		BOILER FEEDWATER PUMP FOUNDATION DESIGN			Civil	Q2, 2011								
328	STRUC-1		25483-000-DBC-1210-00003		CHEMICAL SUN SHADE AND FEED SYSTEM FOUNDATIONS			Civil	Q2, 2011								
329	STRUC-1		25483-000-DBC-1400-00001		COMBUSTION TURBINE WASH WATER SUMP CALCULATION			Civil	Q2, 2011								
330	STRUC-1		25483-000-DBC-1400-00002		MISCELLANEOUS SUMPS PLAN, SECTIONS AND DETAILS			Civil	Q1, 2011								
331	STRUC-1		25483-000-DBC-1410-00001		COMBUSTION TURBINE FOUNDATION DESIGN, UNIT 1 CALC			Civil	Q2, 2011								
332	STRUC-1		25483-000-DBC-1410-00002		COMBUSTION TURBINE FOUNDATION DESIGN, UNIT 2			Civil	Q2, 2011								
333	STRUC-1		25483-000-DBC-1411-00001		COMBUSTION TURBINE - AIR INLET AND SILENCER FOUNDATION, UNIT 1 CALC			Civil	Q2, 2011								
334	STRUC-1		25483-000-DBC-1411-00002		COMBUSTION TURBINE - AIR INLET AND SILENCER FOUNDATION, UNIT 2			Civil	Q2, 2011								
335	STRUC-1		25483-000-DBC-1411-00003		COMBUSTION TURBINE AREA SLAB			Civil	Q2, 2011								
336	STRUC-1		25483-000-DBC-1411-00004		DESIGN OF EXHAUST FOUNDATION INTERFACE			Civil	Q2, 2011								
337	STRUC-1		25483-000-DBC-1411-00005		CT GENERATOR BREAKER FOUNDATION			Civil	Q2, 2011								
338	STRUC-1		25483-000-DBC-1491-00001		COMBUSTION TURBINE ELECTRIC PEEC STEEL DESIGN CALC			Civil	Q2, 2011								
339	STRUC-1		25483-000-DBC-1491-00002		COMBUSTION TURBINE - ANCHOR BOLT ON PEEC PACKAGE			Civil	Q2, 2011								
340	STRUC-1		25483-000-DBC-2111-00001		INTERNAL DRAIN TANK SUMP			Civil	Q2, 2011								
341	STRUC-1		25483-000-DBC-2410-00002		STEAM TURBINE PEDESTAL DESIGN CALCULATION			Civil	Q2, 2011								
342	STRUC-1		25483-000-DBC-3200-00001		DESIGN OF SWITCHGEAR BUILDING VAULT			Civil	Q2, 2011								
343	STRUC-1		25483-000-DBC-3200-00002		DUCT BANK OPENINGS IN PIT WALLS OF SWITCHGEAR BUILDING			Civil	Q1, 2011								
344	STRUC-1		25483-000-DBC-3200-00003		SWITCHGEAR BUILDING SLAB ON GRADE			Civil	Q1, 2011								
345	STRUC-1		25483-000-DBC-3310-00001		DESIGN OF FOUNDATION AND PIT FOR CTG TRANSFORMER AND UNIT AUX TRANSFORMER			Civil	Q2, 2011								
346	STRUC-1		25483-000-DBC-3310-00002		DESIGN OF EMBEDDED PLATES FOR CTG TRANSFORMER AND UNIT AUX TRANSFORMER			Civil	Q2, 2011								
347	STRUC-1		25483-000-DBC-4410-00001		CEMS FOUNDATION DESIGN			Civil	Q2, 2011								
348	STRUC-1		25483-000-DBC-6110-00001		AMMONIA STORAGE TANK FOUNDATIONS			Civil	Q2, 2011								

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349	STRUC-1		25483-000-DBC-7110-00001		FIELD ERECTED TANK FOUNDATIONS			Civil	Q2, 2011								
350	STRUC-1		25483-000-DBC-7110-00002		WATER TREATMENT BUILDING FOUNDATION AND ASSOCIATED EQUIPMENT			Civil	Q2, 2011								
351	STRUC-1		25483-000-DBC-7110-00003		WATER TREATMENT BUILDING - MASONRY WALL DESIGN			Civil	Q2, 2011								
352	STRUC-1		25483-000-DBC-7110-00004		MISC. WATER TREATMENT SYSTEM YARD EQUIPMENT FOUNDATION			Civil	Q2, 2011								
353	STRUC-1		25483-000-DBC-7200-00001		CONDENSATE PUMP FOUNDATION CALCULATIONS			Civil	Q2, 2011								
354	STRUC-1		25483-000-DBC-7210-00001		COOLING TOWER FOUNDATION DESIGN			Civil	Q2, 2011								
355	STRUC-1		25483-000-DBC-7210-00003		COOLING TOWER ANCHOR BOLT DUCTILITY CALC			Civil	Q2, 2011								
356	STRUC-1		25483-000-DBC-7210-00004		COOLING TOWER STAIR FOUNDATION CLACULATION			Civil	Q2, 2011								
357	STRUC-1		25483-000-DBC-7210-00005		CONDENSATE COOLING TOWER TANK FOUNDATION			Civil	Q2, 2011								
358	STRUC-1		25483-000-DBC-7210-00009		COOLING TOWER/MCC BUILDING SLAB ON GRADE			Civil	Q2, 2011								
359	STRUC-1		25483-000-DBC-9210-00001		PIPE RACK AND STAIR TOWER FOUNDATION			Civil	Q2, 2011								
360	STRUC-1		25483-000-DBC-9210-00002		GAS PREHEATER PIER DESIGN			Civil	Q2, 2011								
361	STRUC-1		25483-000-DDC-1410-00001		COMBUSTION TURBINE - ANCHOR BOLT DUCTILITY CALC			Civil	Q2, 2011								
362	STRUC-1		25483-000-S0-0000-00001		CIVIL/STRUCTURAL STANDARDS STRUCTURAL STEEL DETAILS, SHEET 1			Structural	11/15/10								
363	STRUC-1		25483-000-S0-0000-00002		CIVIL/STRUCTURAL STANDARDS STRUCTURAL STEEL DETAILS, SHEET 2			Structural	11/15/10								
364	STRUC-1		25483-000-S0-0000-00003		CIVIL/STRUCTURAL STANDARDS STRUCTURAL STEEL DETAILS, SHEET 3			Structural	11/15/10								
365	STRUC-1		25483-000-S0-0000-00004		CIVIL/STRUCTURAL STANDARDS STRUCTURAL STEEL DETAILS, SHEET 4			Structural	11/15/10								
366	STRUC-1		25483-000-S0-0000-00005		CIVIL/STRUCTURAL STANDARDS STRUCTURAL STEEL DETAILS, SHEET 5			Structural	11/15/10								
367	STRUC-1		25483-000-S0-0000-00006		CIVIL/STRUCTURAL STANDARDS STRUCTURAL STEEL DETAILS, SHEET 6			Structural	11/15/10								
368	STRUC-1		25483-000-SS-1410-00001		GENERATOR CIRCUIT BREAKER SUPPORT STRUCTURE			Structural	Q2, 2011								
369	STRUC-1		25483-000-SS-7210-00001		COOLING TOWER AREA CHEMICAL SUN SHADE			Structural	Q2, 2011								
370	STRUC-1		25483-000-SS-9200-00001		PIPE RACK			Structural	Q2, 2011								
371	STRUC-1		25483-000-SS-9210-00001		PIPE RACK STEEL PLAN AT EL. XX' SHEET 1			Structural	Q2, 2011								
372	STRUC-1		25483-000-SS-9210-00002		PIPE RACK STEEL PLAN AT EL. XX' SHEET 2			Structural	Q2, 2011								
373	STRUC-1		25483-000-SS-9210-00003		PIPE RACK STEEL PLAN AT EL. XX' SHEET 1			Structural	Q2, 2011								
374	STRUC-1		25483-000-SS-9210-00004		PIPE RACK STEEL PLAN AT EL. XX' SHEET 2			Structural	Q2, 2011								
375	STRUC-1		25483-000-SS-9210-00005		PIPE RACK STEEL PLAN AT EL. XX' SHEET 1			Structural	Q2, 2011								
376	STRUC-1		25483-000-SS-9210-00006		PIPE RACK STEEL PLAN AT EL. XX' SHEET 2			Structural	Q2, 2011								
377	STRUC-1		25483-000-SS-9210-00007		PIPE RACK STEEL PLAN AT EL. XX'			Structural	Q2, 2011								
378	STRUC-1		25483-000-SS-9211-00001		PIPE RACK STAIR TOWER			Structural	Q2, 2011								
379	STRUC-1		25483-000-SS-9211-00002		MISCELLANEOUS PIPE RACK STAIRS AND PLATFORMS			Structural	Q2, 2011								
380	STRUC-1		25483-000-SS-9290-00001		PIPE RACK STEEL - SECTIONS AND ELEVATIONS, SHEET 1			Structural	Q2, 2011								
381	STRUC-1		25483-000-SS-9290-00002		PIPE RACK STEEL - SECTIONS AND ELEVATIONS, SHEET 2			Structural	Q2, 2011								
382	STRUC-1		25483-000-SS-9290-00003		PIPE RACK STEEL - SECTIONS AND ELEVATIONS, SHEET 3			Structural	Q2, 2011								
383	STRUC-1		25483-000-SS-9290-00004		PIPE RACK STEEL - SECTIONS AND ELEVATIONS, SHEET 4			Structural	Q2, 2011								
384	STRUC-1		25483-000-SSC-1410-00002		CIRCUIT BREAKER SUPPORT STRUCTURE			Structural	Q2, 2011								
385	STRUC-1		25483-000-SSC-7210-00001		CHEMICAL SUN SHADE STRUCTURE @ COOLING TOWER CALCULATION			Structural	Q2, 2011								
386	STRUC-1		25483-000-SSC-9210-00001		PIPERACK CALCULATIONS			Structural	Q2, 2011								

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387	STRUC-1		25483-000-SSC-9211-00001		STAIR TOWER AT THE WEST END OF THE PIPE RACK			Structural	Q2, 2011								
388	STRUC-1		25483-000-SSC-XXX		ELECTRICAL ABOVE GROUND RACEWAY SUPPORT CALCULATIONS			Structural	Q2, 2011								
389	STRUC-1				ERECTION DRAWING FOR COOLING TOWER BUILDING			Structural	Q2, 2011								
390	STRUC-1				ERECTION DRAWING FOR COOLING TOWER BUILDING			Structural	Q2, 2011								
391	STRUC-1				DESIGN CERTIFICATION ENGINEERING CALCULATION FOR SWITCHGEAR BUILDING			Structural	Q2, 2011								
392	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural	Q2, 2011								
393	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural	Q2, 2011								
394	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural	Q2, 2011								
395	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural	Q2, 2011								
396	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural	Q2, 2011								
397	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural	Q2, 2011								
398	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural	Q2, 2011								
399	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural	Q2, 2011								
400	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural	Q2, 2011								
401	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural	Q2, 2011								
402	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural	Q2, 2011								
403	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural	Q2, 2011								
404	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural	Q2, 2011								
405	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural	Q2, 2011								
406	STRUC-1				ERECTION DRAWINGS FOR SWITCHGEAR BUILDING			Structural	Q2, 2011								
407	STRUC-1		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING FIRST FLOOR MECHANICAL DUCTWORK			Architectural	Q2, 2011								
408	STRUC-1		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING MECHANICAL DETAILS			Architectural	Q2, 2011								
409	STRUC-1		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING TITLE 24 SHEETS			Architectural	Q2, 2011								
410	STRUC-1		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING PLUMBING DRAWINGS			Architectural	Q2, 2011								
411	STRUC-1		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural	Q2, 2011								
412	STRUC-1		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural	Q2, 2011								
413	STRUC-1		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING STRUCTURAL ERECTION DRAWINGS			Architectural	Q2, 2011								
414	STRUC-1		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING SURFACES FOR ACCESS FLOORS			Architectural	Q2, 2011								
415	STRUC-1		25483-000-V00-CP00-XXXXX		MANUAL FOR QUALITY CONTROL AND PRODUCTION OF STRUCTURAL PRECAST CONCRETE			Civil	Q2, 2011								
416	STRUC-1		25483-000-V00-MEAA-XXXXX		COOLING TOWER FOUNDATION LOADS			Mechanical	Q2, 2011								
417	STRUC-1		25483-000-V00-MEAA-XXXXX		COOLING TOWER TYPICAL CONNECTIONS DETAILS			Mechanical	Q3, 2011								
418	STRUC-1		25483-000-V00-MEAA-XXXXX		COOLING TOWER TYPICAL CONNECTIONS DETAILS			Mechanical	Q3, 2011								
419	STRUC-1		25483-000-V00-MEAA-XXXXX		COOLING TOWER STRUCTURAL STEEL CALCULATIONS FOR STAIRCASE (MAIN			Mechanical	Q3, 2011								
420	STRUC-1		25483-000-V00-MEAA-XXXXX		COOLING TOWER STRUCTURAL STEEL CALCULATIONS FOR LADDER SUPPORT			Mechanical	Q3, 2011								
421	STRUC-1		25483-000-V00-MEAA-XXXXX		COOLING TOWER DESIGN CALCULATIONS - COOLING TOWER SUPPORT STRUCTURE			Mechanical	Q3, 2011								
422	STRUC-1		25483-000-V00-MEAA-XXXXX		COOLING TOWER DESIGN CALCULATIONS - COOLING TOWER SUPPORT STRUCTURE			Mechanical	Q3, 2011								
423	STRUC-1		25483-000-V00-MEAA-XXXXX		STRUCTURAL CALCULATIONS FOR COOLING TOWER (MAIN CALCULATION)			Mechanical	Q3, 2011								
424	STRUC-1		25483-000-V00-MEAA-XXXXX		SUPPORT STRUCTURE SIDE VIEW			Mechanical	Q3, 2011								

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425	STRUC-1		25483-000-V00-MEAA-XXXXX		SUPPORT STRUCTURE SIDE VIEW PART 2			Mechanical	Q3, 2011								
426	STRUC-1		25483-000-V00-MEAA-XXXXX		COOLING TOWER SUPPORT STRUCTURE			Mechanical	Q3, 2011								
427	STRUC-1		25483-000-V00-MEAA-XXXXX		COOLING TOWER DETAILS & ROOF STRUCTURE			Mechanical	Q3, 2011								
428	STRUC-1		25483-000-V00-MEAA-XXXXX		COOLING TOWER MOTOR SUPPORT STRUCTURE			Mechanical	Q3, 2011								
429	STRUC-1		25483-000-V00-MEAA-XXXXX		COOLING TOWER DETAILS OF PLATFORM & FANDECK & SUPPORT STEEL			Mechanical	Q3, 2011								
430	STRUC-1		25483-000-V00-MEAA-XXXXX		COOLING TOWER STAIRCASE			Mechanical	Q3, 2011								
431	STRUC-1		25483-000-V00-MEAA-XXXXX		COOLING TOWER LADDER			Mechanical	Q3, 2011								
432	STRUC-1		25483-000-VXX-XXX		230KV SWITCHYARD FOUNDATIONS (MULTIPLE DWGS)			Civil	Q2, 2011								
433	STRUC-1		25483-000-VXX-XXX		230KV SWITCHYARD FOUNDATION PLAN			Civil	Q2, 2011								
434	STRUC-1		25483-000-VXX-XXX		230KV SWITCHYARD STRUCTURE CALCS (MULTIPLE)			Structural	Q2, 2011								
435	STRUC-1		25483-001-CP-1400-00001		COMBUSTION TURBINE #1 PILE LOCATION			Civil	Q1, 2011								
436	STRUC-1		25483-001-DB-1110-00001		HRSG/STACK #1 FOUNDATION CONCRETE LINE			Civil	Q1, 2011								
437	STRUC-1		25483-001-DB-1110-00002		HRSG #1 STAIR TOWER FOUNDATION PLAN AND SECTION			Civil	Q1, 2011								
438	STRUC-1		25483-001-DB-1111-00001		HRSG #1 AREA SLAB NEAT LINE & ANCHOR BOLT LOCATION PLAN			Civil	Q1, 2011								
439	STRUC-1		25483-001-DB-1210-00001		BOILER FEEDPUMP BUILDING #1 FOUNDATION PLAN AND SECTIONS			Civil	Q2, 2011								
440	STRUC-1		25483-001-DB-1210-00002		BOILER FEEDWATER PUMP 1A & 1B FOUNDATION PLAN AND SECTIONS			Civil	Q2, 2011								
441	STRUC-1		25483-001-DB-1210-00003		UNIT 1 BOILER FEED PUMP CHEMICAL SUN SHADE FDN			Civil	Q2, 2011								
442	STRUC-1		25483-001-DB-1400-00001		MISCELLANEOUS SUMPS PLAN, SECTIONS AND DETAILS			Civil	Q2, 2011								
443	STRUC-1		25483-001-DB-1410-00001		COMBUSTION TURBINE NO. 1 NEAT LINE & EMBEDMENT PLAN			Civil	Q2, 2011								
444	STRUC-1		25483-001-DB-1411-00001		COMBUSTION TURBINE #1 AREA SLAB NEAT LINE PLAN			Civil	Q2, 2011								
445	STRUC-1		25483-001-DB-1490-00001		COMBUSTION TURBINE NO. 1 SECTIONS & DETAILS			Civil	Q2, 2011								
446	STRUC-1		25483-001-DB-1491-00001		CT #1 AREA SLAB SECTION AND DETAILS			Civil	Q2, 2011								
447	STRUC-1		25483-001-DB-1491-00004		COMBUSTION TURBINE #1 ELECTRICAL VAULT SECTIONS & DETAILS			Civil	Q2, 2011								
448	STRUC-1		25483-001-DB-3310-00001		COMBUSTION TURBINE #1 MAIN AND UNIT AUX TRANSFORMER FOUNDATION PLAN & SECTIONS			Civil	Q2, 2011								
449	STRUC-1		25483-001-DB-3390-00001		COMBUSTION TURBINE #1 MAIN AND UNIT AUX TRANSFORMER FOUNDATION SECTIONS & DETAILS			Civil	Q2, 2011								
450	STRUC-1		25483-001-DB-4110-00001		AIR INLET FILTER/SILENCER #1 FOUNDATION PLAN SECTIONS & DETAILS			Civil	Q2, 2011								
451	STRUC-1		25483-001-DB-4410-00001		UNIT 1 CEMS FOUNDATION CONCRETE NEAT LINE & REINFORCING			Civil	Q2, 2011								
452	STRUC-1		25483-001-DD-1410-00001		CT #1 ANCHOR BOLT LOCATION PLAN			Civil	Q2, 2011								
453	STRUC-1		25483-001-DD-1410-00002		CT #1 MAXIBOLT LOCATION PLAN			Civil	Q2, 2011								
454	STRUC-1		25483-001-DD-1411-00001		COMBUSTION TURBINE #1 AREA SLAB ANCHOR BOLT LOCATION PLAN			Civil	Q2, 2011								
455	STRUC-1		25483-001-DG-1110-00001		HRSG/STACK #1 FOUNDATION BOTTOM REINFORCING PLAN			Civil	Q1, 2011								
456	STRUC-1		25483-001-DG-1110-00002		HRSG/STACK #1 FOUNDATION TOP REINFORCING PLAN			Civil	Q1, 2011								
457	STRUC-1		25483-001-DG-1190-00001		HRSG/STACK #1 FOUNDATION REINFORCING SECTIONS			Civil	Q1, 2011								
458	STRUC-1		25483-001-DG-1410-00001		CT #1 REINFORCING PLAN			Civil	Q2, 2011								
459	STRUC-1		25483-001-DG-1490-00001		CT #1 SECTIONS AND DETAILS			Civil	Q2, 2011								
460	STRUC-1		25483-001-SS-1110-00001		PLATFORM AT UNIT 1 BOILER BLOWDOWN TANK			Structural	Q2, 2011								
461	STRUC-1		25483-001-SS-1210-00002		UNIT 1 BOILER FEED PUMP AREA CHEMICAL SUN SHADE & PLATFORM STEEL			Structural	Q2, 2011								
462	STRUC-1		25483-002-DB-1110-00001		HRSG/STACK #2 FOUNDATION CONCRETE NEAT LINE			Civil	Q1, 2011								

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463	STRUC-1		25483-002-DB-1110-00002		HRSG #2 STAIR TOWER FOUNDATION PLAN AND SECTION			Civil	Q1, 2011								
464	STRUC-1		25483-002-DB-1111-00001		HRSG #2 AREA SLAB NEAT LINE & ANCHOR BOLT LOCATION PLAN			Civil	Q1, 2011								
465	STRUC-1		25483-002-DB-1210-00001		BOILER FEEDPUMP BUILDING #2 FOUNDATION PLAN AND SECTIONS			Civil	Q2, 2011								
466	STRUC-1		25483-002-DB-1210-00002		BOILER FEEDWATER PUMP 2A & 2B FOUNDATION PLAN AND SECTIONS			Civil	Q2, 2011								
467	STRUC-1		25483-002-DB-1210-00003		UNIT 2 BOILER FEED PUMP CHEMICAL SUN SHADE FDN			Civil	Q2, 2011								
468	STRUC-1		25483-002-DB-1400-00001		MISCELLANEOUS SUMPS PLAN, SECTIONS AND DETAILS			Civil	Q1, 2011								
469	STRUC-1		25483-002-DB-1410-00001		CT #2 NEAT LINE & EMBEDMENT PLAN			Civil	Q2, 2011								
470	STRUC-1		25483-002-DB-1411-00001		COMBUSTION TURBINE #2 AREA SLAB NEAT LINE PLAN			Civil	Q2, 2011								
471	STRUC-1		25483-002-DB-1490-00001		CT #2 SECTIONS AND DETAILS			Civil	Q2, 2011								
472	STRUC-1		25483-002-DB-1491-00001		CT #2 AREA FOUNDATION SECTION AND DETAILS			Civil	Q2, 2011								
473	STRUC-1		25483-002-DB-1491-00003		COMBUSTION TURBINE #2 ELECTRICAL VAULT CONCRETE NEAT LINE & REINFORCING			Civil	Q2, 2011								
474	STRUC-1		25483-002-DB-1491-00004		COMBUSTION TURBINE #2 ELECTRICAL VAULT SECTIONS & DETAILS			Civil	Q2, 2011								
475	STRUC-1		25483-002-DB-3310-00001		COMBUSTION TURBINE #2 MAIN AND UNIT AUX TRANSFORMER FOUNDATION PLAN & SECTIONS			Civil	Q2, 2011								
476	STRUC-1		25483-002-DB-3390-00001		COMBUSTION TURBINE #2 MAIN AND UNIT AUX TRANSFORMER FOUNDATION SECTIONS & DETAILS			Civil	Q2, 2011								
477	STRUC-1		25483-002-DB-4110-00001		AIR INLET FILTER/SILENCER #2 FOUNDATION PLAN SECTIONS & DETAILS			Civil	Q2, 2011								
478	STRUC-1		25483-002-DD-1410-00001		CT #2 ANCHOR BOLT LOCATION PLAN			Civil	Q2, 2011								
479	STRUC-1		25483-002-DD-1410-00002		CT #2 MAXIBOLT LOCATION PLAN			Civil	Q2, 2011								
480	STRUC-1		25483-002-DD-1411-00001		COMBUSTION TURBINE #2 AREA SLAB ANCHOR BOLT LOCATION PLAN			Civil	Q2, 2011								
481	STRUC-1		25483-002-DG-1110-00001		HRSG/STACK #2 AREA SLAB ANCHOR BOLT LOCATION PLAN			Civil	Q2, 2011								
482	STRUC-1		25483-002-DG-1110-00002		HRSG/STACK #2 FOUNDATION TOP REINFORCING PLAN			Civil	Q1, 2011								
483	STRUC-1		25483-002-DG-1190-00001		HRSG/STACK #2 FOUNDATION REINFORCING SECTIONS			Civil	Q1, 2011								
484	STRUC-1		25483-002-DG-1410-00001		CT #2 REINFORCING PLAN			Civil	Q2, 2011								
485	STRUC-1		25483-002-DG-1490-00001		CT #2 SECTIONS AND DETAILS			Civil	Q2, 2011								
486	STRUC-1		25483-002-SS-1110-00001		PLATFORM AT UNIT 2 BOILER BLOWDOWN TANK			Structural	Q2, 2011								
487	STRUC-1		25483-002-SS-1210-00002		UNIT 2 BOILER FEED PUMP AREA CHEMICAL SUN SHADE & PLATFORM STEEL			Structural	Q2, 2011								
488	STRUC-1		25483-003-3DR-C11-00001		CIVIL/STRUCTURAL DESIGN CRITERIA			Civil	Q3, 2010								
489	STRUC-1		25483-003-CP-2400-00001		STEAM TURBINE PILE LOCATION PLAN			Civil	Q2, 2011								
490	STRUC-1		25483-003-DB-2110-00001		STEAM TURBINE AREA FOUNDATION PLAN			Civil	Q2, 2011								
491	STRUC-1		25483-003-DB-2111-00003		GLAND STEAM SKID PLATFORM FOUNDATION			Civil	Q2, 2011								
492	STRUC-1		25483-003-DB-2112-00001		STEAM JET AIR EJECTOR FOUNDATIONS			Civil	Q2, 2011								
493	STRUC-1		25483-003-DB-2190-00001		STEAM TURBINE AREA FOUNDATION SECTIONS AND DETAILS			Civil	Q2, 2011								
494	STRUC-1		25483-003-DB-2410-00001		STEAM TURBINE PEDESTAL NEAT LINE PLAN			Civil	Q2, 2011								
495	STRUC-1		25483-003-DB-2490-00001		STEAM TURBINE PEDESTAL FOUNDATION SECTIONS			Civil	Q2, 2011								
496	STRUC-1		25483-003-DB-3410-00001		STEAM TURBINE FOUNDATION NEAT LINE PLAN AND SECTIONS			Civil	Q2, 2011								
497	STRUC-1		25483-003-DB-3490-00001		STEAM TURBINE FOUNDATION PLAN AND SECTIONS			Civil	Q2, 2011								
498	STRUC-1		25483-003-DB-3490-00002		STEAM TURBINE FOUNDATION SECTIONS AND DETAIL			Civil	Q2, 2011								
499	STRUC-1		25483-003-DBC-2110-00001		DESIGN OF STEAM TURBINE AREA SLAB FOUNDATION			Civil	Q2, 2011								
500	STRUC-1		25483-003-DBC-2110-00002		DESIGN OF STEAM TURBINE GENERATOR AIR INLET FILTER FOUNDATION			Civil	Q2, 2011								

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501	STRUC-1		25483-003-DBC-2110-00003		GLAND STEAM SKID FOUNDATION			Civil	Q2, 2011								
502	STRUC-1		25483-003-DBC-2110-00006		STEAM JET AIR EJECTOR PLATFORM FOUNDATIONS			Civil	Q2, 2011								
503	STRUC-1		25483-003-DBC-2410-00001		STEAM TURBINE FOUNDATION DESIGN			Civil	Q2, 2011								
504	STRUC-1		25483-003-DBC-3310-00003		DESIGN OF FOUNDATION AND PIT FOR STG TRANSFORMER			Civil	Q2, 2011								
505	STRUC-1		25483-003-DD-2410-00001		STEAM TURBINE PEDESTAL ANCHOR BOLT LOCATION PLAN			Civil	Q2, 2011								
506	STRUC-1		25483-003-DD-2410-00002		STEAM TURBINE PEDESTAL EMBEDMENT PLAN			Civil	Q2, 2011								
507	STRUC-1		25483-003-DD-2490-00001		STEAM TURBINE PEDESTAL EMBEDMENT SECTIONS & DETAILS, SHT 1			Civil	Q2, 2011								
508	STRUC-1		25483-003-DD-2490-00002		STEAM TURBINE PEDESTAL EMBEDMENT SECTIONS & DETAILS, SHT 2			Civil	Q2, 2011								
509	STRUC-1		25483-003-DDC-2410-00001		DESIGN OF ANCHOR BOLTS FOR STEAM TURBINE			Civil	Q2, 2011								
510	STRUC-1		25483-003-DDC-2410-00002		DESIGN OF TRANSVERSE & ANCHOR PLATES FOR STEAM TURBINE			Civil	Q2, 2011								
511	STRUC-1		25483-003-DG-2410-00001		STEAM TURBINE PEDESTAL REINFORCEMENT PLAN			Civil	Q2, 2011								
512	STRUC-1		25483-003-DG-2490-00001		STEAM TURBINE PEDESTAL REINFORCING SECTIONS & DETAILS, SHT 1			Civil	Q2, 2011								
513	STRUC-1		25483-003-DG-2490-00002		STEAM TURBINE PEDESTAL REINFORCING SECTIONS & DETAILS, SHT 2			Civil	Q2, 2011								
514	STRUC-1		25483-003-DGC-2410-00001		STEAM TURBINE FOUNDATION DESIGN			Civil	Q2, 2011								
515	STRUC-1		25483-003-SS-2110-00001		GLAND STEAM STEEL SUPPORT PLATFORM			Structural	Q2, 2011								
516	STRUC-1		25483-003-SS-2120-00001		STEAM JET AIR EJECTOR PLATFORM SHEET 1			Structural	Q2, 2011								
517	STRUC-1		25483-003-SS-2120-00002		STEAM JET AIR EJECTOR PLATFORM SHEET 2			Structural	Q2, 2011								
518	STRUC-1		25483-003-SS-2190-00001		STEAM JET AIR EJECTOR PLATFORM ELEVATIONS AND DETAILS			Structural	Q2, 2011								
519	STRUC-1		25483-003-SS-2410-00001		STEAM TURBINE PEDESTAL PLATFORMS			Structural	Q2, 2011								
520	STRUC-1		25483-003-SS-2410-00002		STEAM TURBINE PEDESTAL PLATFORMS			Structural	Q2, 2011								
521	STRUC-1		25483-003-SS-2490-00001		STEAM TURBINE PEDESTAL PLATFORMS SECTIONS & DETAILS, SHEET 1			Structural	Q2, 2011								
522	STRUC-1		25483-003-SS-2490-00002		STEAM TURBINE PEDESTAL PLATFORMS SECTIONS & DETAILS, SHEET 2			Structural	Q2, 2011								
523	STRUC-1		25483-003-SSC-2110-00001		GLAND STEAM SKID STEEL PLATFORM CALCULATION			Structural	Q2, 2011								
524	STRUC-1		25483-003-SSC-2110-00002		STEAM JET AIR EJECTOR PLATFORMS CALCULATION			Structural	Q2, 2011								
525	STRUC-1		25483-003-SSC-2410-00001		STEAM TURBINE PEDESTAL PLATFORMS			Structural	Q2, 2011								
526	TITLE 24		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING ENERGY COMPLIANCE REPORT			Architectural	Q2, 2011								
527	TITLE 24		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING REFLECTED CEILING PLAN			Architectural	Q2, 2011								
528	TITLE 24		25483-000-V00-AKBS-XXXXX		ADMIN BUILDING INTERIOR LIGHTING PLAN AND ELECTRICAL DRAWINGS			Architectural	Q2, 2011								
529	VIS-4		25483-000-ELJ-GCX-00001		PLANT LIGHTING AND PLAN (MULTIPLE SHEET DOCUMENT DESCRIBING ILLUMINATION LEVEL FOR EACH AREA)			Electrical	Q3, 2011								
530	VIS-5		25483-000-C2-0100-00004		PERMANENT FENCING LAYOUT PLAN			Civil	4/30/11								
531	VIS-5		25483-000-C0-0000-00001		CIVIL/STRUCTURAL STANDARDS FENCE DETAILS, SHEET 1			Structural	11/15/10								
532	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 #3
October 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=lbrown@trbplus.com, c=US
Date: 2010.10.15 10:01:35 -07'00'

SAMUEL L. HUI **SENIOR PRINCIPAL ENGINEER, HYDRAULICS & HYDROLOGY**

EDUCATION:

B.Sc., Civil Engineering, First Class Honor
Queen's University, Kingston, Ontario, Canada, 1966

M.Sc., Civil Engineering
Queen's University, Kingston, Ontario, Canada, 1969

Business Management Program - Bechtel
Golden Gate University, 1979

SUMMARY:

44 Years: Hydrologic engineering analyses and design; water resources studies; rainfall analyses and Probable Maximum Precipitation (PMP) estimates; hydro-power energy production analyses; specialist in arid region and snow hydrology

EXPERIENCE:

September 2004 – Present: As Senior Principal Engineer in Hydrologic Engineering, Mr. Hui serves as technical consultant to the Hydraulics/Hydrology Group on various assignments related to surface water engineering including flood hydrology, stormwater management studies, erosion control and implementation, dam break analysis, hydro-power energy production studies, surface water supply evaluations, rainfall and Probable Maximum Precipitation estimates, etc.

He was Project Manager for a Bechtel consultancy contract with the Coachella Valley Water District near Palms Springs, California (1995 – 2008), in reviewing all hydraulics/flood hydrology studies and flood control designs submitted for approval by developers within the jurisdictional boundary of the District, including field inspections of the construction of flood control channels and bank protection works, and the implementation of erosion controls during construction period.

January 1995 – September 2004: As Manager of Bechtel's Hydraulics and Hydrology group, Mr. Hui is responsible for both hydraulic and hydrologic studies worldwide. He directs hydraulic and hydrologic engineering specialists in performance of tasks related to water resources development, hydro power and hydrologic analyses.

1988 – January 1995: As Chief Hydrologic Engineer in Bechtel's Hydraulics/Hydrology Group, Mr. Hui was responsible for all hydrologic studies for water resource projects worldwide.

1973 – 1988: As Engineering Supervisor in Bechtel's Hydraulics/Hydrology group, Mr. Hui was responsible for hydrologic analyses and water resources studies for Bechtel projects including flood control and drainage, hydroelectric, water supply, irrigation, and nuclear and fossil-fuel power development. Work included drainage studies and design, storage analyses for reservoir sizing, reservoir operation studies, spillway design and diversion flood determinations, reservoir sedimentation studies, analysis of flood levels, wind wave predictions, long-term flow synthesis and low flow analyses, and prediction of energy generation for hydroelectric developments. He supervised scour analyses of river channels, and analyses for design of riprap protection for earth

embankments and river channels. He had significant experience in water resources projects and in drainage studies for transportation projects.

Selected Project Examples:

- *Union Railway Project, Abu Dhabi, United Arab Emirates (2009 – 2010)* Responsible for the rainfall analysis and the developments of the drainage design concept and hydrologic and hydraulic design of the drainage facilities, including sediment transport analyses and design of erosion protection works along the railroad alignment.

- *Ivanpah Solar Project (2009 – Present)* Involved in the review of the alluvial flood hydrology analysis prepared by a subcontract for the project.

- *Ma'aden Aluminum Complex Integrated Infrastructure Project, Saudi Arabia (2010)* Responsible for rainfall analysis and the development of a detailed drainage analysis for the potline area of the smelter site and a conceptual drainage plan for the entire 1,400-ha the aluminum complex, which consists of a Common Area, one Refinery, three Smelters and one Rolling Mill, using the US EPA SWMM5 Model.

- *Kitimat Modernization Project, British Columbia, Canada (2009 – present)* Responsible for the stormwater management studies using US EPA SWMM5 Model, which includes the rain and rain-on-snow scenarios.

- *Wheatstone Liquefied Natural Gas Project, Australia (2009 – 2010)* Served as the Technical Reviewer of a flood study report on potential riverine, storm surge and tsunami flooding of this coastal site, which was prepared by Wallingford Hydraulic Laboratory of United Kingdom.

- *Guinea Alumina Project, Guinea, West Africa (2007- 2009)* Serves as the off-project design reviewer for the hydrology/hydraulics tasks and water supply dam for this project.

- *Exelon Nuclear Power Project (2007- 2009)* responsible for the development of the Probable Maximum Flood, estimate of flooding level at the project site and the preparation of Final Safety Analysis Report (FSAR) Section 2.4.3 for the licensing document. It involved a drainage area of about 6,000 sq mi, with 34 sub-basins, the calibration of unit hydrographs at 13 gauging stations for two flood events, the development of Probable maximum Precipitation (PMP) estimates for all the sub-basins, etc.

- *Dulles Corridor Metrorail Project (2007- 2009)* Serves as the off-project design reviewer for the hydrology/hydraulics tasks for this project.

- *Nuclear Power Licensing Tasks (2005-2009)* Served as the reviewer for the flood hydrology sections of the Early Site Permit (ESP) Application and Construction Operation License Application (COLA) for the Southern Nuclear Services Project at Vogtle, GA, South Carolina Electric & Generating Company Project at Summers, SC, North Anna Project, Virginia, Constellation Project, Maryland, South Texas Project near Bay City, Texas, and Exelon Project near Victoria, Texas.

- *Coachella Valley Flood Control Projects (1976-2008).* Numerous studies had been performed to develop design flows for flood control projects in the Coachella Valley of Southern California. Work involved collection and analysis of rainfall data, frequency analysis of rainfall intensities, development of floods for specific return periods up to the standard project flood for the design of flood control and drainage structures, design of bank protection works of some 50 miles of the Coachella Stormwater Channel (CSC), flood inundation analyses from breaching of levees of some portions of CSC, and alluvial fan flood hydrology analyses. From 1995 – 2008, he also served as the Project Manager and Principal Reviewer on flood hydrology for the District on drainage and flood control plans submitted to the District for approval, including the inspections of the construction of flood control channels and bank protection works and the implementation of erosion control during construction period.

- *BART/SVRT Extension Project (2007-2008)* Responsible for the hydrology/hydraulics tasks of the 65% engineering phase of this project.

- *Dian Dian Alumina Refinery Project, Guinea, Africa (2006- 2007)* Served as the reviewer for the hydrologic/hydraulic design of the water supply dam for this project, which is subcontracted to an outside consultant.

- *Trinidad Aluminum Smelter Project (2006)* Served as the reviewer of the hydrologic design criteria document for this project, which includes rainfall analysis and drainage design.

- *Sammis Power Project (2006)* Served as the checker and reviewer of the flood plain delineation analysis to assess potential impacts on nearby communities due to project construction.

- *SOHAR Aluminum Smelter Project, Oman (2005-2008).* Serves as review authority of the hydrologic analysis for the design of the diversion channels.

- *Doha International Airport Project, Qatar (2004-2006)* Served as the review authority for the drainage design of this airport project.

- *Fjardaal Aluminum Smelter Project, Iceland (2003-2006).* Responsible the initial preliminary stormwater runoff management system, which includes constructed treatment wetlands and later serves as the review authority for final design work carried out by the joint-venture partner, HRV and subcontractor Roux & Associates.

- *Marathon Liquefied Natural Gas (LNG) Project, Equatorial Guinea, Africa (2004-2005) Responsible* for the development of the comprehensive drainage assessment plan for this project.

- *Workshop on Alluvial Fan Flood Hydrology (2003)* One of the three lecturers for the workshop sponsored by Coachella Valley Water District, Southern California, for all the developers and consulting engineers in the region. It deals with the methodologies used in estimating flood peak discharges and flood hazards for developments on alluvial fans.

- *Delta Energy Center Project, (2000)* Worked as the site grading inspector for the construction of the project and prepared the site grading report for submittal to the California Building Official (CBO) of Contra Costa County, California, which was certified by the Project licensed California Geotechnical Engineer.

- *North Platte River Project (1990-95).* Responsible for the supervision of a subcontractor in the development of a comprehensive reservoir system operation model for the North Platte River in Wyoming. This involved the verification and development of rainfall, streamflow and irrigation demand data, reservoir operational rules, irrigation return flow simulation and computer program development.

- *Development of Guidelines for Probable Maximum Flood Determination (1992).* A co-author of the guidelines for the determination of probable maximum floods for civil works sponsored by Federal Energy Regulatory Commission and managed by the Electric Power Research Institute.

- *Cowlitz Falls Hydroelectric Project (1986-1992).* Hydrologic studies for this project included a sediment routing, development of the PMF design flood, and a detailed operation study for estimation of annual energy production.

- *New Martinsville Hydroelectric Project (1984-1985).* Detailed operation studies were made to estimate annual energy production for the plant.

- *King Khalid International Airport, Riyadh, Saudi Arabia (1976-80).* Rainfall data was obtained and analyzed to develop design storms for hydrologic studies to design airport drainage and to predict flood peak discharges and levels in a nearby wadi and wadi crossings for the access road.

- *King Fahd International Airport, Dammam, Saudi Arabia (1981-83).* Rainfall and meteorological data were gathered from all stations in Saudi Arabia. Additional data were also obtained from British agencies that had been active in the area earlier. Design storms were developed to use in obtaining flood flows for the design of roads as well as the airport drainage.

- *Limerick Nuclear Power Project (1975-76, 1985-86?).* Worked on the preparation of the hydrologic engineering sections of the Preliminary Safety Analysis Report of Units

1 and 2, and was responsible for the drainage design for Unit 2 during the construction phase.

- *Susquehanna Nuclear Power Project (1976-77).* Responsible for the preparation of the hydrologic sections of the Preliminary Safety Analysis and Environmental Reports, and drainage analysis and designs at the plant site.

- *Coronado Railroad Project (1976-77).* Hydrologic studies were performed to develop design floods for the design of major wash crossings for the Coronado Railroad as part of the Coronado Power Project near Springerville in Arizona.

- *Setif Irrigation Project (1975-1980).* Long-term streamflow synthesis was performed using a rainfall-runoff model as input to a reservoir system analysis program to assess water supply potential to a large scale irrigation project in the interior of Algeria. Flood studies were also performed to determine the spillway design floods for three water impoundment structures.

- *Boardman Power Project (1977-78).* The design flood was developed for the major railroad crossing over the Six-Mile Canyon, near Boardman, Oregon. Flood routing computations were also performed to determine the design grade elevation for the tracks. Flood studies were also performed to determine the spillway design flood for the cooling water reservoir.

- *Drainage Design for the Ground-Based Laser Facility, New Mexico, (1987).* Hydrologic studies were performed to develop design floods up to and including the probable maximum flood. Flood levels were predicted for all channels and flood control levees as well as wash crossings for the access road.

- *Skagit Nuclear Power Project, (1974-76).* Responsible for the preparation of the hydrologic engineering sections of the Preliminary Safety Analysis and Environmental Reports.

He was responsible for the hydrologic analyses and design for several water storage reservoirs and runoff handling schemes for mining and nuclear and fossil-fuel power projects as well as drainage design for two large international airports. In addition, he has supervised and performed hydrologic studies for several water resource projects including: the Rio Grande-Rositas multipurpose project in Bolivia, the Dinkey Creek hydroelectric project in the Central Valley of California, the American Falls irrigation and hydroelectric project in Idaho, and the San Clemente Dam water supply project near Monterey, California.

1971 – 1972: As a senior hydraulic engineer with Acres Consulting Services, Limited, Mr. Hui was associated with the hydrologic analyses and design of some of the major hydro power developments in Canada including Churchill Falls Power Project and the James Bay Power Project. He was responsible for the development of reservoir operation rules, the hydro-meteorological network, and the snowmelt flood forecasting for the Churchill Falls Power Project area. He also performed the evaluation of the long-term flows for the Lower Churchill River Developments.

In addition, he was also responsible for the water resources review of the Restigouche County, New Brunswick, Canada, water resources assessment of the Lost River Basin, Alaska, and the hydrologic study of the Elliott Creek Basin, near Buffalo, New York. He was also involved in wind wave predictions and in the design of many coastal protection structures.

1969 – 1971: As an intermediate hydraulic engineer with Acres Consulting Services, Limited, Mr. Hui was responsible for the study and planning of a comprehensive mathematical flood model for Bangladesh, the development of a computer program for reservoir operation using dynamic programming techniques, and the preparation of hydrologic data for the St. John River water quality simulation model.

1967 – 1969: Mr. Hui was a graduate student/research assistant in the Department of Civil Engineering, Queen's University, Ontario, Canada. He did research work in the field of snow hydrology and developed a mathematical model of snow melt runoff for a typical intermediate drainage basin in southern Ontario.

1966 – 1967: As a civil engineer with Montreal Engineering Company, Limited,
Mr. Hui was associated with the feasibility studies of several hydroelectric developments, statistical analyses of hydrologic data, design of water supply system and cost estimates of coal-fired thermal power stations.

PROFESSIONAL DATA:

Mr. Hui is a member the U. S. Society of Dams, and a Registered Civil Engineer in the Province of Ontario, Canada and in California.

He is a member of the International Committee on Large Dams (ICOLD) Subcommittee which is charged to prepare a Bulletin on "Safe Passage of Extreme Floods". He was the Secretary and a Member of the Control Group in the ASCE MGD Task Committee on the Preparation of the Hydrology Handbook. He is also a Member of the American Nuclear Society (ANS) Committee 2.13 - Standard, Evaluation of Surface Water Supplies for Nuclear Power Sites. He was a Member of the ASCE Technical Committee on Surface Water Hydrology (a Member 1984 - 1985; Member of the Control Group 1985 – 1989, Chairman 1987 - 1988; a Member 1989 – 2000); a Member on the ASCE Task Committee on Applications of Risk and Liability Analysis on Design of Hydraulic Systems (1981) and a Member of the Control Group on the ASCE Task Committee on Urban Stormwater Management in Coastal Area (1981).

Lowell C. Brown, I.O.R.
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JOHN DAMM
Senior Engineer
Geotechnical & Hydraulic Engineering Services
Bechtel Power Corporation

EXPERIENCE SUMMARY

Mr. Damm has performed and supervised numerous geotechnical projects, involving planning and supervision of subsurface explorations, and preparation of design reports. He has managed a variety of civil engineering projects involving surveying, dams, slopes and retaining walls, industrial and commercial buildings, roadways and bridges, water treatment plants, and jetties and levees. Mr. Damm has over 25 years of professional experience including over 18 years as a registered professional engineer.

WORK HISTORY

SENIOR GEOTECHNICAL ENGINEER — Bechtel Power Corporation (January 2007 to Present)

Mr. Damm supports the home office power projects on the geotechnical aspects of their design and construction. His current assignment consists of leading the geotechnical effort to support the application for the Vogtle nuclear power plant in Waynesboro, Georgia (a COLA project) as well as providing Owner's Engineer services for geotechnical concerns as the project evolves into the construction stage. This work includes managing various site investigations, writing pertinent sections of the application, and supporting the project in responses to the NRC's review, reviewing contractor submittals and conducting periodic site visits/reviews. Mr. Damm also serves as engineering group supervisor for G&HES, coordinating the activities and submittals of the various sub-disciplines with the project.

Mr. Damm is supporting SNC's effort to evaluate various greenfield sites. This work includes developing site specific geotechnical recommendations, conducting site visits, developing specifications for site explorations, and coordinating the various sub-disciplines of G&HES.

Mr. Damm has also provided technical support for various other nuclear and fossil projects. This support includes developing and reviewing calculations, reviewing supplier documents, and reviewing responses the NRC's reviews.

SENIOR GEOTECHNICAL ENGINEER — US Army Corps of Engineers, Galveston, Texas. (September 2003 to January 2007)

Mr. Damm conducted geotechnical analyses and designs for coastal studies including levees, breakwaters, jetties, and dredge disposal facilities. These analyses included riprap design, slope stability, and levee foundation design on soft ground. Mr. Damm also conducted preliminary designs for marsh creation using self-weight consolidation methods. Mr. Damm developed scopes of work and executed drilling and testing contracts both onshore and offshore. He wrote technical documents including dredge material management plans, design document reports, and engineering appendices for feasibility studies.

SENIOR GEOTECHNICAL ENGINEER/PROJECT ENGINEER — Gannett Fleming, Inc, Baltimore, Maryland (March 1998 to September 2003)

Mr. Damm managed and directed geotechnical engineering projects in the mid-Atlantic region. Projects included dam rehabilitation for earthen and rubble fill dams, foundation design for shallow and deep foundations for multi-story buildings and bridges, evaluation of karst features, and pavement design. Foundations included large diameter caissons, precast concrete piles, and H-piles. Field work included logging drilling activities for field explorations; construction inspection during installation of large diameter caissons, construction inspection during dam rehabilitation including installation of abutment filters and drains and toe drains; and construction inspection for installation of high capacity post-tensioned anchors for rehabilitation of a concrete dam.

SENIOR GEOTECHNICAL ENGINEER/PROJECT ENGINEER — Engineering Consulting Services, Ltd, Baltimore, Maryland (January 1997 to March 1998)

Mr. Damm managed and directed geotechnical engineering projects in the mid-Atlantic region. Projects included slope stability, dam rehabilitation, foundation design for shallow and deep foundations for multi-story buildings, reinforced slopes, and pavement design. Retaining wall projects included mechanically stabilized earth wall with various types of block faces, gabion wall, and timber crib walls. Mr. Damm was also a project manager for various construction inspection projects of new building construction. Mr. Damm authored numerous technical reports, specifications, and drawings.

SENIOR GEOTECHNICAL ENGINEER/PROJECT ENGINEER — Law Engineering and Environmental Services, Inc., Columbia, Maryland (May 1988 to December 1996)

Mr. Damm managed and directed geotechnical engineering, environmental, and construction inspection projects in the mid-Atlantic region. Geotechnical projects included shallow and deep foundation analysis, settlement analysis, slope stability, dam rehabilitation, reinforced slopes, pavement design, and ground improvement. Retaining wall projects included a forensic study of a failed mechanically stabilized earth retaining wall. Analysis disclosed that inadequate shear strength values were assigned to the in situ soils. Dam rehabilitation projects included the development of design drawings for the under seepage repair of a 70-year old embankment dam. Associated work included flood inundation mapping and hydrology and hydraulic studies. Soil improvement projects included deep dynamic compaction and compaction grouting. Environmental projects included phase 1 environmental site assessments and flood plain and watershed modeling. Construction inspection projects included monitoring and testing earth fill, concrete placement, pavement lay down, and masonry construction. Mr. Damm joined Law while completing his Master of Science degree and during this time worked as a technician in the soil laboratory conducting various soils test including index and strength testing as well as a field technician, monitoring and testing earth fills for mass grading construction projects.

COMMISSIONED OFFICER / SURVEY PARTY CHIEF — National Oceanic and Atmospheric Administration, Seattle, Washington (March 1985 to October 1987)

Mr. Damm was a commissioned officer on a 250-ft hydrographic survey ship working along the coastlines of Alaska. During underway operations Mr. Damm was a ship's officer responsible for the safe navigation, anchoring and docking of the ship with its 65-man crew. During field work, Mr. Damm served as party chief, responsible for developing and implementing geodetic and hydrographic surveys. Fieldwork included surveying with optical and electronic instruments, small boat handling, reconnaissance of old survey stations, calibrating equipment, performing underwater surveys and explorations, and installing tidal gages. As party chief, Mr. Damm managed technical support personnel, reduced field data, drafted technical reports, and reviewed data plots. Mr. Damm was also a certified cold weather diver and routinely conducted underwater inspections, surveys and minor construction projects.

HYDROGRAPHIC SURVEYOR — Comap Geosurveys, Ltd., Houston, Texas (May 1984 to March 1985)

Mr. Damm was a hydrographic surveyor onboard various seismographic survey ships in the Gulf of Mexico and the Bering Sea. His responsibilities included developing surveys, maintained positioning control during data acquisition and ensuring quality control. Surveys included high resolution seismic, magnetometer, and side scan sonar. Positioning systems included short and medium-range electronic systems, acoustic arrays and satellite navigation. Mr. Damm also served as a fill-in deck officer and was responsible for safe navigation of the vessel.

EDUCATION

B.S., Marine Science, Texas A&M University at Galveston (1983)
M.S., Civil Engineering (Geotechnical), University of Maryland (1991)

REGISTRATION/CERTIFICATION

Professional Engineer in Maryland and Washington DC
U.S. Coast Guard Second Mate License, unlimited deck

PROFESSIONAL MEMBERSHIPS

Member, American Society of Civil Engineers (ASCE)

PUBLICATIONS

1. Damm, J.C., M.r. Lewis, K.H. Stokoe, and D.P. Moore. "Evaluating Shear Wave Velocity of In-Place Compacted Backfill", ASCE Geotechnical Special Publication (GSP) No. 199: Advances in Analysis, Modeling & Design, GeoFlorida2010 Conference, February 20-24, 2010, West Palm Beach, Florida.

2. Valentine, R.J. and J.C. Damm. "Lessons Learned from an External Stability Failure of a Geosynthetic Reinforced Retaining Wall", Industrial Fabrics Association International, 1995.

Lowell C. Brown, I.O.R.

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JEFF BOSQUE

Special Inspector

SIGNET Testing Labs, Inc.

EXPERIENCE
11 Years

YEARS OF SERVICE WITH SIGNET
5 Years

EDUCATION
Las Positas College
Livermore, CA.

Granada High School
Livermore, CA.

CERTIFICATIONS
ICC - Reinforced Concrete
No. 5294728-49

ICC – Applied Fireproofing
No. 5057

ICC - Prestressed Concrete
No. 5294728-92

ACI - Field Testing
Technician, Grade I
No. 00035257

CPN Nuclear Density
Gauge Certification

CALTRANS

CTM 105	CTM 308
CTM 106	CTM 309
CTM 125	CTM 366
CTM 201	CTM 367
CTM 202	CTM 375
CTM 211	CTM 382
CTM 216	CTM 504
CTM 217	CTM 518
CTM 226	CTM 533
CTM 227	CTM 539
CTM 231	CTM 540
CTM 304	
CTM 305	
CTM 307	

SKILLS AND EXPERIENCE

Mr. Bosque has over eleven years of experience in the materials compliance testing and inspection industry. During this time, Mr. Bosque has performed field inspections and laboratory testing in accordance with ICC (International Code Council), ASTM (American Society for Testing and Materials), ACI (American Concrete Institute) and the California Department of Transportation Test Methods (CTM). Mr. Bosque is multi-certified and qualified to provide reinforced concrete inspection and testing, pre-stressed concrete inspections, concrete and asphalt batch plant inspections, epoxy witness observation, proof load and torque testing, pachometer testing for surveying concrete walls and slabs, spray applied fireproofing inspections and relative compaction testing by way of the sand cone and nuclear gauge methods. Additionally, Jeff is certified to provide laboratory materials compliance testing in accordance with ASTM, AASHTO, ACI and CalTrans Test Methods.

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

REPRESENTATIVE PROJECT EXPERIENCE:

UC Berkeley – Underhill Parking Structure
Berkeley, CA.

Kaiser Permanente Hospital - Antioch
Antioch, CA

Oakland International Airport – Taxiway & Overlay
Oakland, CA

Metcalf Power Plant
San Jose, CA

San Jose International Airport
San Jose, CA

Caltrans Support Services – Benicia/Martinez Bridge & Toll Plaza, Route 680/780 Interchange/Richmond-San Rafael Bridge

Tasman East Light Rail Extension
Milpitas, CA

Esprit Park
San Francisco, CA.

Coalinga Secure Treatment Facility
Coalinga CA

Foothill Expressway/Oregon Expressway – Resurfacing & Overlay
Vallejo, CA

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SIGNET Testing Labs, Inc.

DOUGLAS B. STARK

Senior Special Inspector

EXPERIENCE
25 Years

YEARS OF SERVICE WITH SIGNET

12 Years

CERTIFICATIONS

ICC – Structural Masonry
No. 0853609-84

ICC – Reinforced Concrete
No. 0525620-49

ICC – Structural Steel and Welding
No. 0525620-85

ICC – Fireproofing Placement

ACI – Concrete Field Testing Technician Grade I

Floor Flatness / Floor Levelness Certification

Inclinometer / Face dipstick Profiler

GPR – Ground penetrating radar / Pachometer

SKILLS AND EXPERIENCE

Douglas Stark has been working in the construction industry for over twenty five years with over fifteen years in the trades with an emphasis on concrete and carpentry. Douglas' strong background in the skilled trades has proven to be very valuable in his work as a construction inspector. He has fifteen years of experience in special inspection and materials testing with four years of work in structural investigations/failure analysis of construction materials. Douglas is a certified technician for floor flatness/levelness and has over five years of experience with dip-stick/inclinometer equipment. Recently Douglas has focused primarily on special inspection of structural masonry and reinforced concrete structures in San Francisco and the Greater Bay Area. He has a wide range of project experience with new construction and seismic retrofits in infrastructure, commercial, residential and industrial developments.

REPRESENTATIVE PROJECT EXPERIENCE:

Merrithew Hospital - Contra Costa County
Martinez, CA

California Pacific Medical Center (CPMC) - Davies Campus
San Francisco, CA

Stanford Medical Center - Clark Center
Palo Alto, CA.

Bryant Square and Coach House - 100 Van Ness (Webcor)
San Francisco, CA

720 California Street Renovations - One South Park Street (Webcor)
San Francisco, CA

310 Townsend Street (Webcor)
San Francisco, CA

845 Montgomery Street (Webcor)
San Francisco, CA

Canterbury Hotel/ Whitehall Tower (Webcor)
San Francisco, CA

Old Navy Retrofit, Market Street
San Francisco, CA

150 Powell Street (Webcor)
San Francisco, CA

1 Powell Street Building Restoration (Webcor)
San Francisco, CA

Ronald McDonald, House Expansion/Renovation
Palo Alto, CA

Lowell C. Brown, I.O.R.

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SIGNET Testing Labs, Inc.

FRED MANGRUM

Senior Construction Inspector

EXPERIENCE
24 Years

YEARS OF SERVICE WITH SIGNET

12 Years

EDUCATION
Quality Control Institute

- Reinforced Concrete
- CMU Masonry
- Shotcrete
- Wood Framing

CERTIFICATIONS
ICC - Prestressed Concrete, No. 144765-92

ICC – Reinforced Concrete, No. 10444765-49

ICC – Structural Masonry

DSA Masonry Inspector

ACI – Field Testing Technician, Grade I

SKILLS AND EXPERIENCE

Mr. Mangrum is a senior level inspector with extensive experience in the areas of reinforced concrete, prestressed concrete and masonry. His experience, leadership, and multiple certifications have allowed Signet to position Mr. Mangrum as lead inspector on several key large scale projects, including 160 King Street (San Francisco), Fisherman's Wharf Hotel (San Francisco), Essex Towers (Oakland), and 555 City Center (Oakland).

Although typically proactive in his inspection methods, Mr. Mangrum is adept at recognizing and adjusting to various jobsite conditions and challenges. His ability to coordinate inspection efforts between multiple trades on intense projects while maintaining clear communication with the project construction team makes Mr. Mangrum a valued part of Signet's inspection team.

REPRESENTATIVE PROJECT EXPERIENCE:

UC Berkeley Museum Storage Renovation
Richmond. CA

Western Digital - Bldg 1 Seismic Retrofit
Fremont, CA

Jack London Square - Site F1
Oakland, CA

San Lorenzo School District - Various Sites
San Lorenzo, CA

Jack London Square - Amtrak Parking Lot Site G
Oakland, CA

CSU Hayward - Pioneer Heights Phase II
Hayward, CA

Palo Alto Medical Foundation - Bldg 2
Fremont, CA

Hayward City Hall Parking Structure
Hayward, CA

Curran House - 67 Unit Apartment Complexes
San Francisco, CA

Cisco Systems - Various Buildings
San Jose, CA

60 King Street - Parking structure
San Francisco, CA

Lawrence Livermore Laboratories - National Ignition Facility
Livermore, CA

Lowell C. Brown, I.O.R.

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Date: 2010.10.15 09:56:25 -07'00'

SIGNET Testing Labs, Inc.

ROBERT BIGFORD

Senior Special Inspector

EXPERIENCE
25 Years

YEARS OF SERVICE WITH SIGNET
9 Years

EDUCATION
Testing and Engineering Program - DC Metropolitan Center
Fairfax, VA

Washington DC - Council of Engineering Laboratories Program

CERTIFICATIONS
ICC – Reinforced Concrete
No. 0525620

ACI – Field Testing Technician, Grade 1

Troxler Certified / Campbell Gage

SKILLS AND EXPERIENCE

Mr. Bigford brings more than 25 years of construction industry experience with over 20 years as a construction quality control inspector. His strengths are in civil infrastructure and general building construction with emphasis on reinforced concrete and soils. Mr. Bigford has a great deal of quality assurance experience in regards to post tensioned concrete and structural masonry construction. He is adept at interfacing with key design/build staffs, building officials, structural engineers, architects, city inspectors, owners and sub-contracts. Mr. Bigford also excels in review of structural drawings and specifications and technical site reporting. Mr. Bigford provides inspection services on large scale/complex public, private and infrastructure support facilities and has managed multiple teams of field inspectors.

REPRESENTATIVE PROJECT EXPERIENCE:

Stanford Outpatient Clinic
Redwood City, CA

Monterey Parking Structures
Salinas, CA

Stanford University - Parking Structure #4 and #5
Palo Alto, CA

Elmwood Detention Facility
Milpitas, CA

Moss Landing Power Plant
Moss Landing, CA

OTAC Civil/Infrastructure
Oakland, CA

Watsonville Wastewater Treatment Facility
Watsonville, CA

Intel D2
Santa Clara, CA

Media Arts - Five-building complex
Morgan Hill, CA

Airport Suites Hotel
South San Francisco, CA

Public Storage - Santa Clara/Belmont Facilities
Santa Clara/Belmont, CA

Samaritan Medical Center & Parking Garage
San Jose, CA

Lowell C. Brown, I.O.R.

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SIGNET Testing Labs, Inc.

PAT TOSCHI

Senior Special Inspector

EXPERIENCE
24 Years

YEARS OF SERVICE WITH URS

12 Years

EDUCATION
Union Laborer School

- Plan Reading
- Shoring
- Reinforced Concrete
- Soils
- Asphalt

ICC Course Work:

- Quality Control Institute
- Concrete
- Structural Steel
- Plan Reading

CERTIFICATIONS

ICC - Reinforced Concrete
No. 5057058-49

ICC - Structural Masonry
No. 5057058-84

ICC - Structural Steel & Welding
No. 5057058-85

ICC - Prestressed Concrete
No. 5057058-92

ACI - Field Testing Technician, Grade I

DSA – Masonry Inspector
No. 3328

SKILLS AND EXPERIENCE

Mr. Toschi has over 24 years of experience in the construction industry. Pat's previous construction experience focused on site/civil work and reinforced concrete structures on large-scale commercial and institutional projects in the Bay Area and Northern California. Pat worked for over six months in our main lab in Hayward with concrete, shotcrete, mortar, grout, and soils testing. Pat has a great deal of construction knowledge, developed from his many years of commercial construction experience which has been vital in his recent work with special inspection and general quality assurance services. He also has a great deal of quality assurance with educational projects, including public school work. He is DSA approved for masonry & shotcrete inspections.

REPRESENTATIVE PROJECT EXPERIENCE:

Vallejo Water Treatment Facility
Vallejo, CA

Conoco Phillips Refinery- Hydrocracker expansion (HEP)
Rodeo, CA

Shell Refinery
Martinez, CA

Nortel Networks Campus
Santa Clara, CA

Alameda County Office Building
Hayward, CA

City of Hayward Pump Station 35
Hayward, CA

Avalon Dublin Station Apartments Parking Structure
Pleasanton, CA

Concord Ave Parking Structure
Concord, CA

VISA West Coast Headquarters
Foster City

Stanford University - Ronald McDonald House
Palo Alto, CA

Vallejo Water Treatment Facility
Vallejo, CA

Cal State University East Bay - Pioneer Heights Student Housing
Hayward, CA.

Cal State University East Bay - Business and Technology Center
Hayward, CA

Lowell C. Brown, I.O.R.

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SIGNET Testing Labs, Inc.

JOHN LINDSTROM

Senior Welding Inspector

EXPERIENCE
22 Years

YEARS OF SERVICE WITH SIGNET
8 Years

CERTIFICATIONS

ICC – Structural Masonry
No. 5224817-84

ICC – Reinforced Concrete
No. 5224817-49

ICC - Prestressed Concrete
No. 5224817-92

ACI – Field Technician Grade 1, No. 01004021

Certified Nuclear Gauge Operator

California Test Methods: 125AGG, 125PCC, 1250, 216, 226, 231, 504, 518, 521, 533, 539, 540, 557

SKILLS AND EXPERIENCE

With 9 years experience in construction inspection experience, Mr. Lindstrom is qualified to provide soils, concrete, masonry, and batch plant inspections. He began his career with Signet in 2002 as a Material Tester. Prior to Signet, Mr. Lindstrom owned and operated his own construction company for 13 years. He has a great deal of construction knowledge and savvy, developed from his years of construction experience, which has been vital in his recent work with special inspection and general quality assurance services. He is able to communicate well with contractors, engineers, governing agency inspectors and technicians to insure quality performance and compliance with project specifications and governing codes.

REPRESENTATIVE PROJECT EXPERIENCE:

Evergreen Oil, Newark CA

Chevron Refinary, Richmond CA

The Crossing Parcels 3&4, San Bruno Ca – Residential Housing and Parking Structure

State Route 125, Chula Vista, CA. This $775 million Design-Build Project consisting of a new 12 mile toll road from SR 905 to SR 54 and the gap/connectors to SR 54, which includes 23 bridge structures. Providing comprehensive quality control services including materials sampling, testing and inspection, source inspection, structural inspection and testers, utilizing facilities of four (4) onsite laboratories specifically setup for the project. Mr. Lindstrom's project role is Laboratory and Field Inspector.

Highway 210- Segment 3 & 4, Upland, CA. This $198 million freeway extension project included segments 1-4. Performed California Test Method acceptance sampling and testing for this highway and structures project. Inspections and testing were provided for a period of 1 year.

Pier "S" Expansion– Port of Long Beach, Long Beach, CA. The Inspection and testing services include earth-work, asphalt/ concrete paving for container yards, special inspection of manufacturing plants. Signet has provided quality assurance services for placement of 77, 000+ tons of asphalt between Piers "E" and "S" expansion projects.

San Diego Padres Ballpark – PETCO, San Diego, CA. provided materials testing services for the concrete placement for the Stadium ($350 million) portion or the project incorporates 2,500 tons of reinforcing steel, 61,600 cubic yards of concrete and 9,500 tons of structural steel.

MTA Division 22 Blowdown Facility, Lawndale, CA. Provided materials testing and inspection for this Metropolitan Transportation Authority Facility.

Lowell C. Brown, I.O.R.

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ZANTINO OCHOA

Special Inspector

SIGNET Testing Labs, Inc.

EXPERIENCE
12 Years

YEARS WITH SIGNET
Years

CERTIFICATIONS
American Concrete Institute

Field Testing Technician / Grade 1

Pacific Nuclear Tech Co.

Nuclear Gauge Certification

Federal Emergency Management Agency (FEMA)

PW Writing / Debris Specialist / OPS 1 Training

SKILLS AND EXPERIENCE

Mr. Ochoa has 12 years of experience in the construction inspection industry and related fields. He is qualified to provide inspections in the areas of soils, drilled-pier foundations, asphalt paving, aggregate base, concrete, and anchor torque/proof load testing. He is able to communicate with contractors, engineers, governing agency inspectors and technicians to insure quality performance and compliance with project specifications and governing codes.

REPRESENTATIVE PROJECT EXPERIENCE:

Conoco Phillips – Air Liquide
Rodeo, CA

Chevron Richmond Refinery
Richmond, Ca

Conoco Phillips Rodeo Refinery
Rodeo, CA

Las Animas ES 2 Story building
Gilroy, CA

Santa Clara Valley Medical Center
San Jose, CA

UC Berkeley – Boalt Law Hall Infill
Berkely, CA

PG&E Gateway Generating Station
Antioch, CA

Amgen–AFR–BMX
Fremont, CA

NISTAC, FEMA Work - Hurricane Katrina
Louisiana

Kaiser Antioch Medical Center
Antioch, CA

UC Berkeley - Barrows Hall
Berkeley

Asian Art Museum
San Francisco, CA

Castro Valley High School
Castro Valley, CA.

City of Fremont
Fremont, CA

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Donald E. Gerken

Certified Engineering Geologist

Experience Summary

2002—Present	Geologist/Senior Geologist
2002—2002	Geologist
2001—2002	Technical Lead
1996—2000	Geologist

Technical Qualifications

- Registered Professional Engineer (Geotechnical Engineering), State of California, 2007, GE-2797
- Registered Professional Engineer (Civil Engineering), State of California, 1994, C-52292
- Registered Professional Engineer (Geotechnical Engineering), Hong Kong, 1998
- Registered Professional Engineer (Civil Engineering), State of New York, 1990

Education

- MS, Geotechnical Engineering, University of Illinois
- BSCE (Honors), Civil/ Geotechnical Engineering, University of Illinois

Strengths and Reasons for Selection

Donald Gerken has more than 27 years of engineering geology experience, primarily on heavy industrial projects world wide. His expertise encompasses all aspects of geotechnical engineering and geological investigations in support of foundations engineering. This extensive record of experience in the engineering geology field has been brought to bear in Mr. Gerken's work in Bechtel's Geotechnical and Environmental Engineering discipline over the past 27 years.

Work History—Detailed Contributions

- **November 2006 to Present**
  As Senior Principal Engineer (Civil/ Geotechnical), involved in the preparation of Construction and Operating Licensing Application (COLA) documents for two new-generation U. S. Nuclear Energy Industry nuclear power plants, namely: NRG South Texas Project, Units 3 & 4, an existing plant site near Bay City, Texas; and, Exelon Victoria County Station, Units 1 & 2, a green-field plant site (with proposed 2,475-hectare cooling basin) near Victoria, Texas. Lead author for COLA subsections related to: stability of subsurface materials and foundations for the plant sites (including seismic Category I structures); and, stability of slopes (for cooling basin earth dams). He has been responsible for extensive plant-site ground investigation and laboratory testing work, and for interface with the NRC staff. Most recently involved with the geotechnical and heavy civil elements for the 400 megawatt (MW) Ivanpah Solar Electric Generating System (SEGS) in eastern San Bernardino County, California, and for the 600MW Russell City Energy Center combined cycle power plant in Hayward, California.

- **September 2005 to November 2006**
  Following more than 12 years overseas resident in the Asia Pacific Region, based in Singapore and Hong Kong, he returned to Bechtel corporate headquarters in San Francisco, California, As Chief Geotechnical Engineer, Mining & Metals Global Business Unit (M&M GBU), he had technical involvement in major M&M GBU projects and prospects ongoing in Australia, Chile, Iceland, Norway, Oman, and Trinidad, including providing supervision to technical specialist staff employed in other M&M GBU offices (Brisbane and Montreal).

- **January 1999 to September 2005**
  As Manager/ G&HES/ Asia Pacific Region (and M&M GBU), he was involved in investigations and major civil/ site development works for the Alba Aluminum Smelter Project, Bahrain; for the Comalco Alumina Refinery Project, Queensland, Australia; for the Inco Goro Nickel Project, New Caledonia; for the New Doha International Airport Project, Qatar; for the CSPC Nanhai Petrochemicals Project, Guangdong Province, China, including serving as site representative and main point-of-contact with China-based design institute subcontractors for significant land and marine geotechnical/ oceanographic investigations; for the Fjardaal Aluminum Smelter Project, Iceland; for the 628MW combined cycle Hsin Tao Power Project, Taiwan, including the establishment of geogrid-reinforced "wrap around" earth retaining structures up to 35 meters high, and the testing and installation of driven and bored pile foundations for the support of plant structures; for the Optimal Chemicals Project (Butanol Unit and Derivatives Facility), Terengganu, Malaysia, including the testing and installation of driven pile foundations for the support of facility structures; for the Mosjoen Carbon Plant Project, Norway; and, for the Port Waratah Coal Services Project, New South Wales, Australia, including ground improvement/ site surcharging for a third stage coal stockyard and stacker/ reclaimer berm

(surcharge area approximately 80 meters wide by 1,350 meters long), diaphragm walling and construction dewatering for an underground rail dump station and reclaim tunnel, and testing and installation of driven and bored pile foundations for the support of conveyor structures, transfer stations, and ship loader facilities.

- **January 1995 to January 1999**
  As Chief Geotechnical Engineer assigned to the Kowloon-Canton Railway Corporation's (KCRC) West Rail Project in Hong Kong (a 30.5-kilometer-long passenger railway project), responsible for engineering management of all geotechnical and hydrologic engineering project services. The project included a full range of heavy civil construction works, including alignment at-grade, in open excavation, on viaduct (in some areas through highly cavernous marble bedrock conditions), in cut-and-cover excavation (approximately two kilometers total length), and in bored rock tunnel (approximately eight kilometers total length). He developed a Pacific Bechtel Corporation (PBC) G&HES project group. Provided technical input to the client's Detailed Feasibility Study and Full Proposal to Hong Kong Government, and prepared a detailed desk study of the project alignment (including researching all available geotechnical and related publications, as-built foundation records, and over 1,600 existing drill hole and investigation records). Prepared and issued project-specific design criteria and standards, and prepared scopes of services and engineer's estimates for preliminary and detailed engineering consultancies, and for design-build contracts. Evaluated consultants' and contractors' proposals, made recommendations for award, and assisted in scope and budget negotiations with successful consultants and contractors, as a member of the project's Tender Evaluation Team. He also participated in a number of technical committees and panels within the Hong Kong engineering community, including those under the Association of Geotechnical Specialists (Hong Kong), the Hong Kong Institution of Engineers, and the Hong Kong University of Science and Technology.

  Corporation's Representative for the PE-700 Contract, an advanced investigation of the project alignment, which included drilling and sampling at selected locations (investigations up to 310 meters deep), field installations and in-situ testing, and laboratory testing; for the FCC-015/ 016/ 017 Contracts, an advanced pile load testing program that resulted in a large savings over preliminary foundation designs; and for the FCC-002 Contract, an advanced geotechnical instrumentation program. Responsible for engineering management and technical consistency (geotechnical and hydrologic engineering scope) of the project's five basic civil detailed engineering consultancies, and its two principal design-build contracts, and for functional management of PBC G&HES personnel. The West Rail commenced operations in 2003.

- **July 1991 to January 1995**
  As Chief Geotechnical Engineer, responsible for geotechnical investigations and studies for several Power and Civil GBU prospects in Hong Kong and coastal China. He served as a member of the initial core team (seven Bechtel staff) responsible for the development of Bechtel's role on the KCRC West Rail Project. Evaluated available site and subsurface information, and prepared technical analyses and conceptual designs for the project baseline cost estimate and program, and provided input to the overall project execution plan. During this period, he also prepared an independent geotechnical assessment of the Hong Kong Route 3 Country Park Section, 3.6-kilometer-long, Tai Lam Tunnel bid, in conjunction with a Build/ Operate/ Transfer franchise proposal submitted by CITIC Pacific. Lead Geotechnical Engineer, responsible for the geotechnical and heavy civil aspects of bid studies for lump sum Engineering/ Procurement/ Construction prospects in China, including: the 53-kilometer-long Jihe Highway Project, Guangdong Province, China; the Zhuhai Power Station Project, Guangdong Province, China; the Meizhou Wan Power Station Project, Fujian Province, China; and the Dongshui Port Development Project, Hainan Province, China.

  As Chief Geotechnical Engineer and Engineering Specialist, planned and directed a geotechnical investigation and laboratory and field solidification program for an environmental pond remediation and closure project (which included an innovative method for solidifying hydrocarbon-rich pond bottom sediments, with large savings over standard excavation and disposal schemes, and designed and evaluated pile foundations for twin, 45-meter-diameter wastewater diversion tanks and related effluent treatment plant structures at the Shell Refinery in Martinez, California; and provided design and construction assistance for approximately two kilometers of slurry barrier wall and hydraulic control trench for the Chevron Chemical Company in Richmond, California. Also provided geotechnical assistance for three directionally bored pipeline segments (crossing the Dutch Slough, the San Joaquin River, and the Sacramento River) along the 1,300-kilometer-long PG&E/ PGT natural gas pipeline, which commenced at the Canadian border and ended at Fresno, California; and provided foundation analyses and design assistance for piling and spread foundations at the East Syracuse Cogeneration Facility in East Syracuse, New York. Participated in a state-of-the-art liquefaction evaluation for a Department of Energy nuclear installation (Replacement Tritium Facility) at the Savannah River Plant in Aiken, South Carolina; and investigated and designed spread foundations and civil site development works for a 10-hectare wastewater treatment unit on coralline materials in Ewa Beach, Honolulu, Hawaii.

- **May 1983 to July 1991**
  As Project Geotechnical Engineer for Detailed Design Lot 159, supervised the geotechnical design of a 2.5-kilometer-long underground section of the Taipei Rapid Transit System, Taiwan, that included three cut-and-cover station excavations (up to 30 meters deep), and three, soft ground twin-bored tunnel segments. Also supervised the geotechnical design, well testing, and ground investigation and laboratory testing works for the Aloha Tower Development, a seven-hectare waterfront project in Honolulu, Hawaii. Responsible for the geotechnical and heavy civil elements of projects, including: the Citibank Office Tower (49-story) and adjacent parking structure in Queens, New York; waterfront construction projects including Nauticus/ The National Maritime Museum in Norfolk, Virginia, and the PATH Exchange Place Station in Jersey City, New Jersey; directionally bored pipelines for various natural gas utility companies in southwest New Jersey; Metro-North Commuter Railroad substations along the Harlem and Hudson Lines in New York; new industrial/ manufacturing facilities for E.I. duPont de Nemours & Company, at both their Washington Works in Parkersburg, West Virginia, and at their Chambers Works in Deepwater, New Jersey; and several small earth dam rehabilitations in Westchester County, New York.

  As Supervising Geotechnical Engineer, analyzed rock slope stability, and designed remedial measures to control rock fall at several cuts along the New York State Thruway, and along a number of county-maintained roads in Westchester County,

New York (18 cuts up to 40 meters high, having a combined length of 4.5 kilometers). Also provided design and construction assistance to the New York City Board of Water Supply and their contractors for rehabilitation works to Croton Aqueduct Facilities, a series of major water supply structures serving New York City, including design of a new shaft in rock at 135th Street in Manhattan, anchored rock excavations, and evaluation of bearing for large foundations on rock (notably for a 450-meter-long by 15-meter-high dividing wall at Jerome Park Reservoir in The Bronx).

As Resident Engineer at the Defense Waste Processing Facility ("S-Area"), Department of Energy, Savannah River Plant in Aiken, South Carolina, inspected earthworks, foundation installations, ground improvement works, and temporary and permanent dewatering system installations. Also as Resident Engineer, supervised investigations for several heavy civil projects, including the "Bullwinkle" off-shore oil drilling platform assembly yard for Gulf Marine Fabricators in Corpus Christi, Texas, and caissons for the new 3-kilometer-long Jamestown Bridge in Jamestown, Rhode Island.

Reviewed construction claims, and was responsible for investigating failures of artificially frozen ground shafts in Mt. Vernon, Virginia, and in Milwaukee, Wisconsin. He was also involved in the design and construction of a shallow, frozen ground tunnel under active Conrail tracks for the Heights-Hilltop Interceptor in Cleveland, Ohio.

- **November 1979 to May 1983**
  During this period he was a graduate research assistant at the University of Illinois, and a researcher with the U.S. Geological Survey.

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=lbrown@trbplus.com, c=US
Date: 2010.10.15 10:04:10 -07'00'

SIGNET TESTING LABS

INSPECTOR QUALIFICATION MATRIX

INSPECTORS	Date of Hire	RC*	SM*	PC*	SSB	SSW	FP	EAR	EPT
Baccus, Garrett	3/31/2003				X	X			X
Bigford, Robert	2/5/2001	X							X
Bosque, Jeff	8/9/2010	X		X			X	X	X
Chippero, Howard	7/12/1982							X	X
Colby, Paul	10/3/1995				X	X			X
Conover, Scott	6/24/1984								X
Didier, Mike	4/28/2003				X	X	X		X
Dominguez, Kenny	6/24/2008	X		X					X
Gobeille, Al	3/31/1980	X	X	X			X		X
Haynes, Bob Sr.	3/12/1985					X			X
Hughes, Willis	3/8/1996				X	X	X		X
Lindstrom, John	2/25/2008	X	X	X					X
Lodel Jr., Hank	5/1/2008	X	X	X	X	X	X		X
Magana, Luis	2/19/2001							X	X
Mangrum, Fred	3/23/1998	X	X	X					X
McPeek, Jeffery	5/27/1997				X	X			X
Ochoa, Zantino	6/16/1997							X	X
Patterson, Rodger	10/27/2008	X	X		X	X			X
Stachura, Les	3/24/1997							X	X
Stark, Doug	12/21/1998	X	X		X	X			X
Thompson, John	4/20/1987	X	X					X	X
Toschi, Pat	5/27/2008	X	X	X	X	X			X

LEGEND

RC - Reinforced / Placement Concrete ICC

SM - Structural Masonry / CMU Placement ICC

PC- Pre-Stressed Concrete ICC

SSW - Structural Steel & Welding

SSB - Structural Steel Bolting

FP - Fireproofing

EAR - Earthwork / Paving

EPT - Epoxy Witness / Proof Load / Torque Testing

SIIT -In Traing (Lacking Certification and/or Experience)

X - Meets experience and certain certification criteria

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CONDITION OF CERTIFICATION
AQ-SC3 and AQ-SC4

Russell City Energy Center
Monthly Compliance Report #3
October 2010

Attachment A Fugitive Dust Log

GRIFFIN RED TRUCK

Month:		OCTOBER	Year: 2010		Material Stock Pile Treatments		Roadways – Water Wagon/ Street Sweeper in use			
Date	Time	Daily Low Ambient Temp. °F	24 hr rainfall (inches)	Max 1 hr Wind Speed (mph)	Water Treatments Active Storage (Y/N)	Water Treatments Inactive Storage (Y/N)	Paved Roads (WW/SS)	Unpaved Roads (WW/SS)	Operator Initials	Comments, Equipment OOS, Problems & Work Orders:
1	7-3:30 PM	59°	0		✓	✓	✓	WW	AK	SUBCONTRACTOR WATER TRUCK
2	WEEKEND	57								
3	WEEKEND	56°								
4	7-3:30	56°			✓	✓	✓	WW	AK	
5		53			✓	✓	✓	✓		
6		55			✓	✓	✓	✓		
7		53°			✓	✓	✓	✓		
8		51°			✓	✓	✓	✓		
9	WEEKEND	53°								
10		56°								
11	7-3:30PM	57°			✓	✓	✓	✓		
12		59°			✓	✓	✓	✓		
13		61°			✓	✓	✓	✓		
14		63°			✓	✓	✓	✓		
15		57°			✓	✓	✓	✓		
16	WEEKEND	55°								
17	WEEKEND	59°								

Attachment A Fugitive Dust Log

Month:			Year:		Material Stock Pile Treatments		Roadways – Water Wagon/ Street Sweeper in use			
Date	Time	Daily Low Ambient Temp. °F	24 hr rainfall (inches)	Max 1 hr Wind Speed (mph)	Water Treatments Active Storage (Y/N)	Water Treatments Inactive Storage (Y/N)	Paved Roads (WW/SS)	Unpaved Roads (WW/SS)	Operator Initials	Comments, Equipment OOS, Problems & Work Orders:
18	Due 3:30pm	54°	0	12	✓	✓	✓	✓	[illegible]	H_2O TRUCK
19		49°	0	10						
20		53°	0	12						
21		57°	T	17						
22	↓	54°	T	13						
23	WEEKEND	54°	.13"	12						
24	WEEKEND	58°	.19"	20						
25	—	51°	0	22						
26	—	47°	0	16						
27	—	45°	0	16						
28	7:00 am 3:30	54°	0	10	✓	✓	✓	✓	[illegible]	H_2O TRUCK
29	7:00 am 3:30 pm	57°	0.11"	18	✓	✓	✓	✓	[illegible]	H_2O TRUCK
30	WEEKEND	53°	0.07"	14						
31	WEEKEND	51°	0	13						

1. WW = water wagon, SS = street sweeper

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Attachment A Fugitive Dust Log

SOURCE OF WEATHER DATA: RAIN .055" WIND 6 mph TEMPERATURE 60° SUPERVISOR REVIEW

Return Completed Sheet to CEL

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Attachment A Fugitive Dust Log

October, 2010

D & G H_2O TRUCK

Month:		October	Year: 2010		Material Stock Pile Treatments		Roadways – Water Wagon/ Street Sweeper in use			
Date	Time	Daily Low Ambient Temp. °F	24 hr rainfall (inches)	Max 1 hr Wind Speed (mph)	Water Treatments Active Storage (Y/N)	Water Treatments Inactive Storage (Y/N)	Paved Roads (WW/SS)	Unpaved Roads (WW/SS)	Operator Initials	Comments, Equipment OOS, Problems & Work Orders:
1	NA	59°	0			STOCKPILE DOCSED	—	—	—	—
2		57°	0				—	—	—	—
3		56°	0				—	—	—	—
4		56°	0				—	—	—	—
5	7AM / 3:30 PM	53°	0				SS	WW	TP	H_2O TRUCK
6		55°	0				SS	WW	CB	H_2O TRUCK
7		53°	0				SS	WW	CB	H_2O TRUCK
8		51°	0				SS	WW	CB	H_2O TRUCK
9	WEEKEND	53°	0				—	—	—	—
10	WEEKEND	56°	0				—	—	—	—
11	7AM / 3:30 PM	57°	0				SS	WW	TP	H_2O TRUCK
12		59°	0				SS	WW	TP	H_2O TRUCK
13		61°	0				SS	WW	TP	H_2O TRUCK
14		63°	0				SS	WW	TP	H_2O TRUCK
15		57°	0				SS	WW	TP	H_2O TRUCK
16	WEEKEND	55°	0				—	—	—	—
17	WEEKEND	58°	0				—	—	—	—

Attachment A Fugitive Dust Log

Month:			Year:		Material Stock Pile Treatments		Roadways – Water Wagon/ Street Sweeper in use			
Date	Time	Daily Low Ambient Temp. °F	24 hr rainfall (inches)	Max 1 hr Wind Speed (mph)	Water Treatments Active Storage (Y/N)	Water Treatments Inactive Storage (Y/N)	Paved Roads (WW/SS) TO USE DAILY	Unpaved Roads (WW/SS)	Operator Initials	Comments, Equipment OOS, Problems & Work Orders:
18	7-3:30	54°	0	12	NO	COVERED	SS	WW	TP	H^2O TRUCK
19		49°	0	10			SS	WW	TP	H^2O TRUCK
20		53°	0	12			SS	WW	TP	H^2O TRUCK
21		57°	T	17			SS	WW	TP	H^2O TRUCK
22		54°	T	13		6K STOCKPILE ALSO COVERED		—	—	—
23	WEEKEND	54°	.13"	12				—	—	—
24	WEEKEND	58°	.19"	20				—	—	—
25		51°	0	22				—	—	—
26		47°	0	16				—	—	—
27		45°	0	16				—	—	—
28	7-3:30pm	54°	0	10		UNCOVERED MATERIAL REMOVED.	SS	WW	TP	H^2O TRUCK
29	7-3:30pm	57°	0.11"	18			SS	WW	TP	H^2O TRUCK
30	WEEKEND	53°	0.07"	14		STRIPPING COMPLETE		—	—	—
31	WEEKEND	51°	0	13				—	—	—

[1] WW = water wagon, SS = street sweeper

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Attachment A Fugitive Dust Log

SOURCE OF WEATHER DATA: RAIN 0.55in WIND 6 Mph TEMPERATURE 60°

Return Completed Sheet to CEL

SUPERVISOR REVIEW

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CONDITION OF CERTIFICATION
AQ-SC5

Russell City Energy Center
Monthly Compliance Report #3
October 2010

BECHTEL

RCEC PROJECT

DIESEL ENGINE INVENTORY

ENGINE TAG No.	ENGINE/EQUIPMENT DESCRIPTION	DATE ARRIVED ON SITE	DATE REMOVED FROM SITE
RE6973	101548, CAT 14H BLADE	10/27/10	
K57W67	108319 SCRAPER 623	9/8/10	
PP4H58	113433, CAT CS-563E Roller	10/27/10	
BD9P94	906701, CAT BACKHOE 330D	10/27/10	
BC9W86	LIME MIXER (GRIFFIN)	10/28/10	
LD8C86	BACKHOE, KOBELCO (J&M)	10/18/10	
YM9X45	108322 623 Scraper	9/9/10	10/11/10
X55L38	108512 633 SCRAPER	9/15/10	10/19/10
DA4V94	108567 633 SCRAPER	9/17/10	
WR4J75	825 COMPACTOR	9/27/10	
AC9W86	LIME SPREADER WIRTGEN	9/28/10	10/23/10
XD6N58	LIME SPEADER WIRTGEN	9/28/10	10/23/10

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

SIGNED: R Park **Print name:** ROBERT PARKER

COMPANY: DSG **MONTH:** OCTOBER, 2010

JB CEL

GOLDEN GATE PETROLEUM

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

ExxonMobil. 76 Motorcraft.

INVOICE NUMBER 950332
DATE 10-25-10

ACCOUNT NUMBER:

SOLD TO:
15030
DE SILVA/GATES CONST. L.P.

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

SHIP TO:
41148
DE SILVA/GATES CONST. L.P.

CURTNER PITS
FREMONT, CA

PURCHASE ORDER NUMBER	SALESMAN	TERMS	DUE DATE
CT102210	DAN EMANI	15 DAYS 99	11-09-10

DELIVERY DATE	DRIVER	TRUCK NUMBER	TERMINAL	B/L NUMBER
10-25-10	13 THIRD PARTY	141	16	485635

NO. OF PKG.'S	BULK OR PKG. SIZE	PRODUCT DELIVERED	ORDERED	DELIVERED	TAXES FED	TAXES STATE	TAXES SALES	PRICE	AMOUNT
		DIESEL FUEL - 3,NA1993,P.G.III							
	BULK	RED CARB ULS DIESEL	7468.0	7468.0			T	2.46000	18,371.28
		DYED DIESEL FUEL NON-TAXABLE USE ONLY. PENALTY FOR TAXABLE USE.THIS FUEL MEETS EPA REQUIREMENTS FOR SULFER,CETANE INDEX,AROMATIC CONTENT							
		OIL SPILL RECOVERY		7468.0				0.00120	8.96
		FEDERAL LUST TAX		7468.0				0.00100	7.47
		FEDERAL OIL SPILL LIAB. TAX		7468.0				0.00190	14.19
***	EACH	FREIGHT	7468.0	7468.0				.0200	149.36

*** DELIVERY MESSAGE ***
GOLDEN GATE PETROLEUM NOW OFFERS DIESEL EXHAUST FLUID(DEF). PLEASE CALL FOR MORE INFORMATION.

TANK	UNLEADED	MID-GRADE	PREMIUM	DIESEL
BEFORE				
AFTER				
WATER				

REMIT TO: P.O. Box 44550
San Francisco, CA 94144-5749

For Product Emergency (Spill, Leak, Fire, Exposure or Accident)
CALL 1-800-424-9300

THIS INVOICE DOES NOT INCLUDE STATE OR FEDERAL EXCISE TAXES. SUPER FOUNDS OR SURCHARGES UNLESS SHOWN AS A SEPARATE LINE ITEM.

SALES TAX	1,794.19
SUB TOTAL	20,345.45

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.

Number of Drums Returned X$ < >

ERRORS IN PRICE, EXTENSION AND ADDITION SUBJECT TO CORRECTION.

BAY AREA / DIABLO PETROLEUM CO.
dba GOLDEN GATE PETROLEUM

TOTAL 20,345.45

CHECK NUMBER | CHECK AMOUNT | CREDIT CARD AMOUNT

DELIVERED BY (SIGNATURE IN FULL)
X

RECEIVED IN GOOD ORDER
X

PLEASE PAY FROM THIS INVOICE

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CONDITION OF CERTIFICATION
WORKER SAFETY-3

Russell City Energy Center
Monthly Compliance Report #3
October 2010

BECHTEL

Bechtel Training Roster

Russell City Energy Center (RCEC)

COURSE Number: New Hire Orientation Training

Location: Hayward Ca.

INSTRUCTOR NAME(S): GWEN BECHTEL / DANA SMITH

COURSE COMPLETION DATE: 10/1/10

Full Name	Employee Number	Employer/ Company	Today's Date
Alicia Kuehn		Griffin Soil	10-1-10
Jeff Jones		Griffin Soil	10-1-10
RAMIRO YANEZ		GRIFFIN SOIL	10-1-10
JOE CATTOOR		GRIFFIN SOIL	10-1-10
Scott Lafferty		PAPE MACHINERY	10-1-10
GABRIEL DELA TORRE		DESIVA GATES	10-1-10

INSTRUCTIORS SIGNATURE:

DATE: Oct 1, 2010

Bechtel Training Roster

Russell City Energy Center (RCEC)

COURSE Number: New Hire Orientation Training **Location:** Hayward Ca.

INSTRUCTOR NAME(S): D. Smith

COURSE COMPLETION DATE: 10/4/10

Employee Number	Full Name		Company	Date	
	Kevin Donahue		De SIG	10-4-10	
#1822	Octavio Torres		DE SILVA GATES	10-4-10	
	DAVID ROSE		GRIFFIN SOIL	10-4-2010	

Bechtel Training Roster

Russell City Energy Center (RCEC)

DATE: October 6th, 2010	
COURSE Number: New Hire Orientation Training	Location: Hayward Ca.
INSTRUCTOR NAME(S): GWEN BECHTEL	
COURSE COMPLETION DATE: 10-6-10	

Employee Number	Full Name		
	Taner Pamuk	TRB+/CEC	
	Lowell Brown	TRB+ CEC	

INSTRUCTOR'S SIGNATURE: Gwen Bechtel DATE: Oct 6th, 2010

FORM T_TRAIN.DOC 2006:REV.3

Bechtel Training Roster

Russell City Energy Center (RCEC)

DATE: October 13, 2010	
COURSE Number:	Location:
New Hire Orientation Training	Hayward Ca.
INSTRUCTOR NAME(S): GWEN BECHTEL / Dana SMITH	
COURSE COMPLETION DATE:	

Employee Number	Full Name			
STARS & STRIPES	EDWIN SERRANO			
" "	JOSE A. SOLIMAN			

INSTRUCTOR'S SIGNATURE: DATE:

FORM T_TRAIN.DOC 2006:REV.3

October 13, 2010

COURSE ROSTER RCEC TRAINING

DATE: October 18TH, 2010

BU COURSE ID:

BU COURSE TITLE: NEW HIRE / WEAP TRAINING

FILE NAME/VERSION NO.:

INSTRUCTOR NAME(S): GWEN BECHTEL

LOCATION WHERE GIVEN: ☒ Bechtel ☐ Other (specify) HAYWARD OFFICE

COURSE COMPLETION DATE: OCTOBER 18TH, 2010 COURSE LENGTH: Hours

PRINT NAME Clearly			SIGNATURE	BECHTEL EMPLOYEE NO.	
LAST	FIRST				
X Kesterson	X Jason		X	D&G	
Gonzalez	Martin			D&G	
Simons	David			D&G	
Amezquita	Oscar			FENCE	
Uriostegui	Jesus			FENCE	

INSTRUCTOR'S SIGNATURE: DATE: 10/18/10.

CONDITION OF CERTIFICATION
BIO-2

Russell City Energy Center
Monthly Compliance Report #3
October 2010

Russell City Energy Center

MONTHLY BIOLOGICAL COMPLIANCE REPORT

October, 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 October were limited to minimal site clearing and grading. In addition to work at the main project site, the Zanette laydown area was used for parking. The other laydown areas were not yet in use. As the nesting season has passed and there is minimal construction activity on the site, monitoring for the month of October was limited to a single site visit by the designated biologist, Russell Huddleston, on October 26, 2010. The site was cleared of vegetation and the southern half had been graded. Silt fencing was installed around the perimeter of the site. Numerous gulls were observed on the site and a variety of shorebirds and waterfowl were noted in the drainage canal outside of the southwest corner of the site. During the October 26 site visit one dead coot (*Fulica americana*) was observed in the northern part of the site adjacent to an existing power distribution line. While the cause of death could not be definitively determined, it appears to have struck the overhead wires. A second dead coot was found on October 21 by Phillip Reed (Cultural Resources Monitor) along the eastern perimeter fence. The cause of death was indeterminate, but did not appear to be related to any construction activity. No other biological resource issues were noted.

A cumulative list of wildlife species observed on and around the project site through the Month of October 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	*Fulica americana*	Common around project site – two dead individuals observed on site
American Crow	*Corvus brachyrhynchos*	Common in and around project areas
Barn Swallow	*Hirundo rustica*	One individual observed at project site
Black Phoebe	*Sayornis nigricans*	Observed perched on fence at Laydown Area 2 and around project site
Black-neck Stilt	*Himantopus mexicanus*	Observed in open stormwater channel west of RCEC site
Bushtit	*Psaltriparus minimus*	Observed in fennel at Laydown Area 3
California Gull	*Larus californicus*	Common in and around project areas
Canada Goose	*Branta canadensis*	Observed in open stormwater channel west of RCEC site
Cliff swallow	*Petrochelidon pyrrhonota*	Laydown area 1 and around project site
Cormorant	*Phalacrocorax* sp.	Few individuals observed in flight west of project site
European Starling	*Sturnus vulgaris*	Observed on transmission tower at Laydown Area 3
Great Egret	*Casmerodius albus*	Flying near sediment ponds west of Depot Road
Gulls	*Larus* spp.	Common on and around the project site.
House Finch	*Carpodacus mexicanus*	Common in ruderal vegetation in and around project area
Killdeer	*Charadrius vociferus*	Observed in project area
Mallard	*Anus platyrhynchos*	Observed in open stormwater channel west of RCEC site
Mourning Dove	*Zenaida macroura*	Common on and around project site
Northern Mockingbird	*Mimus polyglottos*	Observed on fence at Laydown Area 3
Raven	*Corvus corax*	Observed on project site
Red-winged Blackbird	*Agelaius phoeniceus*	Few individuals observed west of

Table A

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

Common Name	Scientific Name	Comments
		project site
Ring-billed Gull	*Larus delawarensis*	Common in and around project areas
Rock Dove	*Columba livia*	Common in and around project areas
Song Sparrow	*Melospiza melodia*	Common in ruderal vegetation in and around project area
Turkey Vulture	*Cathartes aura*	One observed overhead south of Runnels parcel
Western Tanager	*Piranga ludoviciana*	Observed on fence at Laydown Area 3
MAMMALS		
Black-tailed Jackrabbit	*Lepus californicus*	One individual observed on project site
California ground squirrel	*Otospermophilus beecheyi*	One individual observed adjacent to project site
Mice/Voles	*Microtus* spp.	Few individuals noted on site during clearing and grading activities
REPTILES		
Western fence lizard	*Sceloporus occidentalis*	Observed on site by Cultural Resource Monitors

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CONDITION OF CERTIFICATION
SOIL & WATER-1

Russell City Energy Center
Monthly Compliance Report #3
October 2010

RUSSELL CITY ENERGY CENTER
01-AFC-7C
Soil & Water – 1
October 1 – October 31, 2010

Drainage, Erosion and Sediment Control Measures

On-going install of construction silt fence and straw waddles around the perimeter of the project site and placement of inlet protection on storm sewer inlets located on the Zanette Parcel. Ongoing fugitive dust management i.e., stockpile coverage of two soil stockpile on Eash 'A' and one stockpile on Zanette Parcels. Zanette Parcel. Street sweeping and deployment two water wagons were noted on site throughout the month of October. The sedimentation pond construction is in progress.

DI and filter rock check bags surface drain protection (Depot Road and Zanette Parcel).

Stockpile located on the Zanette Parcels

Monitoring and Maintenance Activities

Precipitation events: 10/17 (<4 hr's) rainfall amount (inches) 0.04", 10/23~ 10/24 (< 48 hr's) rainfall amount (inches) 0.33", and 10/29~ 10/30 (<24 hr's) rainfall amount (inches) 0.18". October total = 0.55".

Rain events had no impact on site beside minor ponding water and no storm water runoff observed.

Dewatering

There were no dewatering activities were conducted during the month of October and site remains stable.

CONDITION OF CERTIFICATION
CUL-2

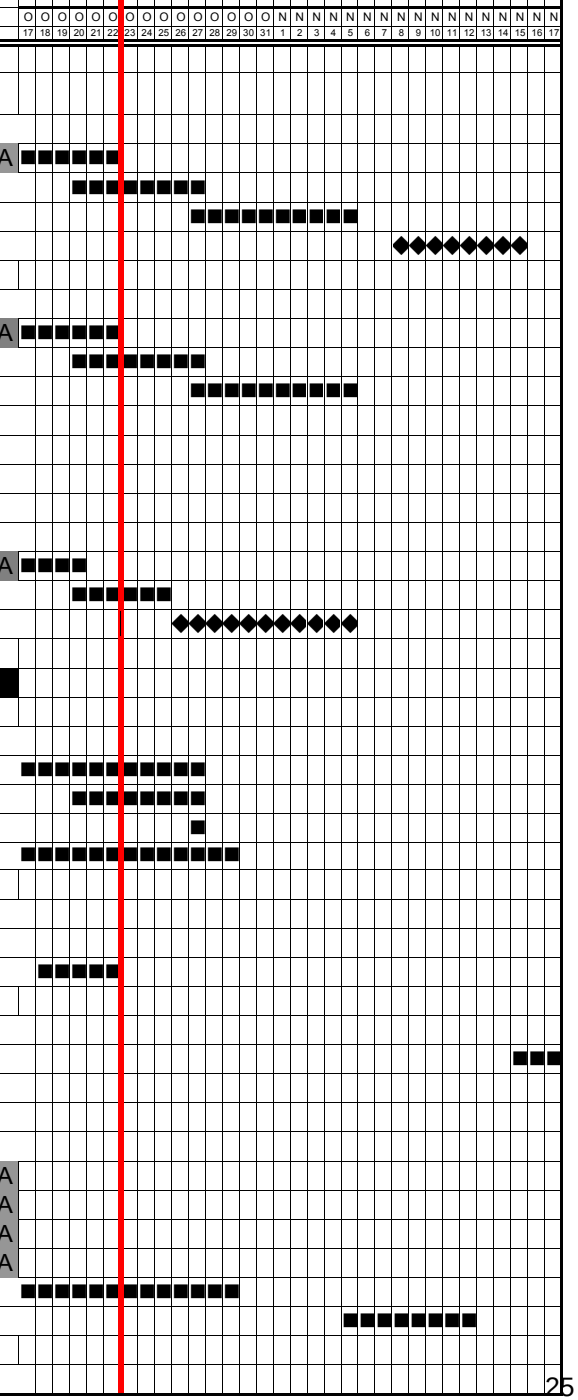
Russell City Energy Center
Monthly Compliance Report #3
October 2010

Russell City Energy Center

Construction 4 Week Rolling Schedule

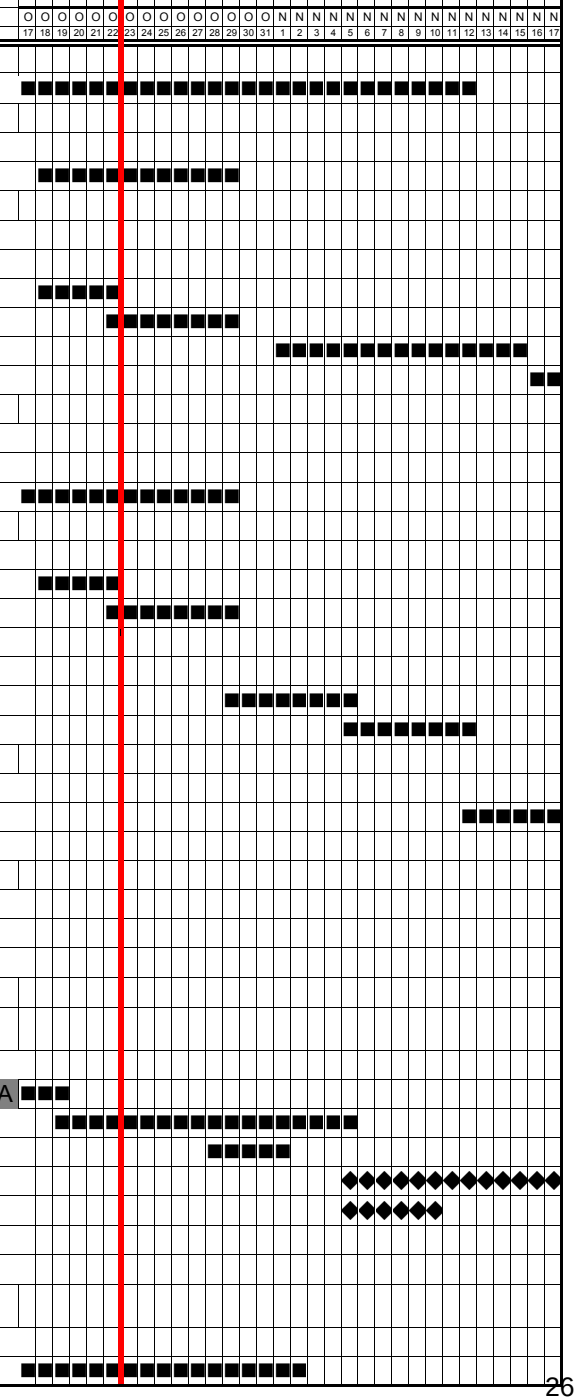
Data Date: 10/22/10

Item		Activity	Comments	Start		Finish	
DESILVA SCOPE							
	Site Parking Area						
1		Deliver Fabric	Half of material delivered	11-Oct-10	A	22-Oct-10	A
2a		Source suitable, testable gravel		20-Oct-10	A	27-Oct-10	
2b		Install install fabric & gravel		27-Oct-10		05-Nov-10	
3		Remove existing fencing	Start after new fence cpt	08-Nov-10		15-Nov-10	
	Laydown Areas						
5		Deliver fabric	Half of material delivered	11-Oct-10	A	22-Oct-10	A
6a		Source suitable, testable gravel		20-Oct-10	A	27-Oct-10	
6c		Install fabric & gravel		27-Oct-10		05-Nov-10	
7		Install Runnel"s property laydown	Possible use as fill storage	01-Feb-11		01-Mar-11	
	Storm water Basins						
		Ash in the Stormwater Basin					
8		Desilva to provide Samples		28-Sep-10	A	20-Oct-10	A
9		Review sample results with RCEC		20-Oct-10	A	25-Oct-10	
10		Remove material		26-Oct-10		05-Nov-10	
11		Chase ash seam	TBD				
		Installation of Standpipe and Pond #1					
12		Desilva deliver standpipe material	Missing orifice & weep rings	13-Oct-10	A	27-Oct-10	
13a		Source suitable, testable rip rap		20-Oct-10	A	27-Oct-10	
13b		Desilva deliver rip rap		27-Oct-10		27-Oct-10	
14		Install Standpipe		14-Oct-10	A	29-Oct-10	
15		Owner to provide permit	**On hold pending permit**	04-Oct-10	A	08-Oct-10	
16a		Install rock west of property line		14-Oct-10		15-Oct-10	
16b		Hydroseed Pond 1		18-Oct-10		22-Oct-10	
		Installation of Pond #2					
17		Dig pond	Start after north east side cpt	15-Nov-10		30-Nov-10	
	Install Roads						
		Main Access Road					
18a		Finalize main access road layout		20-Sep-10	A	07-Oct-10	A
18b		Resolve manhole & catch basin location		04-Oct-10	A	06-Oct-10	A
19		Review layout with RCEC		04-Oct-10	A	06-Oct-10	A
20a		CBO review of main access road		08-Oct-10	A	12-Oct-10	A
20b		Install main access road	Without Asphalt & Aprons	12-Oct-10	A	29-Oct-10	
20c		Install asphalt & aprons	After NTP & Encroachment Perr	05-Nov-10		12-Nov-10	
		Install Wheel Wash					



Russell City Energy Center
Construction 4 Week Rolling Schedule
Data Date: 10/22/10

Item		Activity	Comments	Start		Finish
22		Install wheel wash equipment	Hold for Asphalt & NTP	15-Oct-10	A	12-Nov-10
		Construction Access Road				
23		Install construction access road	ramp complete, need aggregate	18-Oct-10	A	29-Oct-10
		Storm water culvert	After NTP			
24		Deliver storm water pipe		14-Oct-10		14-Oct-10
25		Dig culvert		18-Oct-10		22-Oct-10
26		Install pipe		22-Oct-10		29-Oct-10
27a		Install Headwalls		01-Nov-10		15-Nov-10
27b		Backfill		16-Nov-10		18-Nov-10
	Excavation					
		South Site (HRSG, RWF, Demin)				
30		Backfill with Lime Stabilization	Need fill material to cpt	04-Oct-10	A	29-Oct-10
		North Site (CTG, XFMR, STG)	After NTP			
31		Excavate North site		18-Oct-10		22-Oct-10
32		Backfill with Lime Stabilization		22-Oct-10		29-Oct-10
		Remaining south site	After NTP			
33		Excavate		29-Oct-10		05-Nov-10
34		Backfill with Lime Stabilization		05-Nov-10		12-Nov-10
		Switchyard	After NTP			
35		Excavate		12-Nov-10		19-Nov-10
36		Backfill with Lime Stabilization		19-Nov-10		30-Nov-10
		Cooling Tower	After NTP			
37		Sheet pile		16-Mar-11		05-Apr-11
38		Excavate Forebay and CW trench		06-Apr-11		15-Apr-11
Piling Scope						
39a		Bechtel Approve test pile design		11-Oct-10	A	19-Oct-10 A
39b		Fabricate & Del test piles		19-Oct-10	A	05-Nov-10
40		Mobilize Piling S/C		28-Oct-10		01-Nov-10
41		Drive Test Piles & provide report	After NTP	05-Nov-10		01-Dec-10
42a		Complete noise test during test piles	After NTP	05-Nov-10		10-Nov-10
42b		Drive test piles for ZLD area	Two weeks After NTP	19-Nov-10		01-Dec-10
Fencing Scope						
43		Deliver fencing material		14-Oct-10	A	02-Nov-10

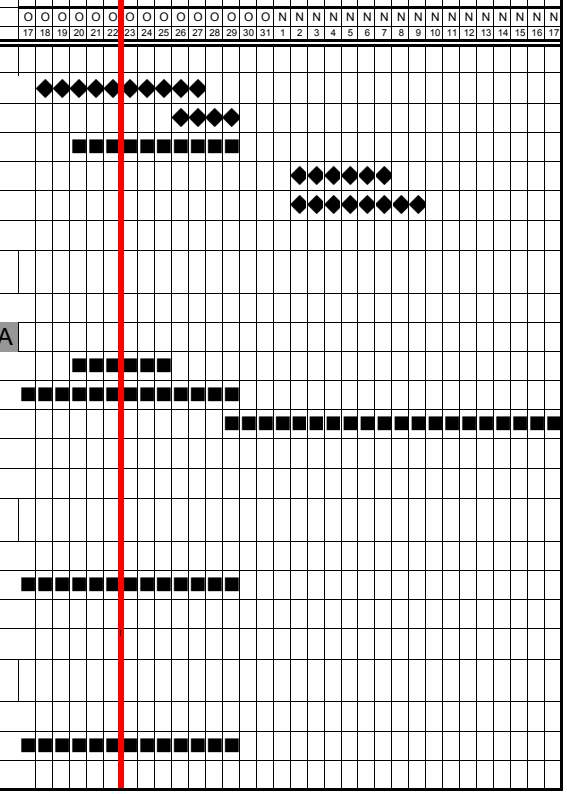


Russell City Energy Center

Construction 4 Week Rolling Schedule

Data Date: 10/22/10

Item		Activity	Comments	Start		Finish
44		Install north site boundary fence (7')		18-Oct-10	A	27-Oct-10
45		Install permanent 7' fence		26-Oct-10		29-Oct-10
46		Add barb wire & slats to exisiting fence		20-Oct-10	A	29-Oct-10
47a		Install main access road gate	Design changes to gate	02-Nov-10		07-Nov-10
47b		Install temp 11' fence (west side of property	start after pond issue cpt	02-Nov-10		09-Nov-10
Temporary Sewer & Water						
48		Resolve issue on manhole depth		04-Oct-10	A	14-Oct-10 A
49	Kidd	Submit layout to City	Need encroachment permit	20-Oct-10		25-Oct-10
50	Staley	Finalize sewer installation s/c package		06-Oct-10	A	29-Oct-10
51	Apfel	BEA sewer installation s/c package		29-Oct-10		29-Nov-10
52		Install temporary sewer system	After NTP	29-Nov-10		01-Feb-11
Temporary Power						
55	Staley	Work with PG&E on installation date		15-Oct-10	A	29-Oct-10
56	Staley	PG&E relocate pole				
Lower manhole cover						
58	Staley	Develop protocol with Time Warner to lower	Need encroachment permit	15-Oct-10	A	29-Oct-10
59	Staley	Lower Manhole				



CONDITION OF CERTIFICATION
CUL-4

Russell City Energy Center
Monthly Compliance Report #3
October 2010

BECHTEL

Bechtel Training Roster

Russell City Energy Center (RCEC)

COURSE Number: New Hire Orientation Training

Location: Hayward Ca.

INSTRUCTOR NAME(S): GWEN BECHTEL / DANA SMITH

COURSE COMPLETION DATE: 10/1/10

Full Name	Employee Number	Employer/ Company	Today's Date
Alicia Kuehn		Griffin Soil	10-1-10
Jeff Jones		Griffin Soil	10-1-10
RAMIRO YANEZ		GRIFFIN SOIL	10-1-10
JOE CATTOOR		GRIFFIN SOIL	10-1-10
Scott Lafferty		PAPE MACHINERY	10-1-10
GABRIEL DELA TORRE		DESIVA GATES	10-1-10

INSTRUCTIORS SIGNATURE:

DATE: Oct 1, 2010

Bechtel Training Roster

Russell City Energy Center (RCEC)

COURSE Number: New Hire Orientation Training **Location:** Hayward Ca.

INSTRUCTOR NAME(S): D. Smith

COURSE COMPLETION DATE: 10/4/10

Employee Number	Full Name		Company	Date	
	Kevin Donahue		De SIG	10-4-10	
#1822	Octavio Torres		DE SILVA GATES	10-4-10	
	DAVID ROSE		GRIFFIN SOIL	10-4-2010	

Bechtel Training Roster

Russell City Energy Center (RCEC)

DATE: October 6th, 2010	
COURSE Number: New Hire Orientation Training	Location: Hayward Ca.
INSTRUCTOR NAME(S): GWEN BECHTEL	
COURSE COMPLETION DATE: 10-6-10	

Employee Number	Full Name		
	Taner Pamuk	TRB+/CEC	
	Lowell Brown	TRB+ CEC	

INSTRUCTOR'S SIGNATURE: Gwen Bechtel DATE: Oct 6th, 2010

FORM T_TRAIN.DOC 2006:REV.3

Bechtel Training Roster

Russell City Energy Center (RCEC)

DATE: October 13, 2010	
COURSE Number:	Location:
New Hire Orientation Training	Hayward Ca.
INSTRUCTOR NAME(S): GWEN BECHTEL / Dana SMITH	
COURSE COMPLETION DATE:	

Employee Number	Full Name			
STARS & STRIPES	EDWIN SERRANO			
" "	JOSE A. SOLIMAN			

INSTRUCTOR'S SIGNATURE: DATE:

FORM T_TRAIN.DOC 2006:REV.3

October 13, 2010

COURSE ROSTER RCEC TRAINING

DATE: October 18TH, 2010

BU COURSE ID:

BU COURSE TITLE: NEW HIRE / WEAP TRAINING

FILE NAME/VERSION NO.:

INSTRUCTOR NAME(S): GWEN BECHTEL

LOCATION WHERE GIVEN: ☒ Bechtel ☐ Other (specify) HAYWARD OFFICE

COURSE COMPLETION DATE: OCTOBER 18TH, 2010 COURSE LENGTH: Hours

PRINT NAME Clearly			SIGNATURE	BECHTEL EMPLOYEE NO.	
LAST	FIRST				
X Kesterson	X Jason		X	D&G	
Gonzalez	Martin			D&G	
Simons	David			D&G	
Amezquita	Oscar			FENCE	
Uriostegui	Jesus			FENCE	

INSTRUCTOR'S SIGNATURE: DATE: 10/18/10.

CONDITION OF CERTIFICATION
CUL-6

Russell City Energy Center
Monthly Compliance Report #3
October 2010

Monthly Report of Cultural Resources Monitoring Activities for the Russell City Energy Center Project for October 2010; COC CUL-6

Prepared For: Karen Parker, RCEC Project Manager
Prepared By: Clint Helton/RCEC CRS
Reporting For Period: October 2010

This report covers cultural resources monitoring activities at the Russell City Energy Center project for the month of October 2010, as required by Condition of Certification CUL-6.

Personnel Active in Cultural Monitoring This Period

Phillip Reid participated as CRM for this month.

Monitoring and Associated Activities This Period

Monitoring of ground disturbance included perimeter fencing, utilities locating, storm water outfall and retention basin excavations as well as modern curb and gutter removal. Native sub-soils were encountered during storm water basin and outfall excavations. Soils appear to be predominately 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 resource discoveries were made during this month.

Anticipated Changes in the Next Period

Mass excavation of the northern half of the RCEC plant site will take place as soon as the proper permits are obtained. Perimeter fencing, footings for various site structures and excavations for conduit trenches, storm water retention and various fire and sewer line trenching may also begin during the month of November. 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 #3
October 2010

BECHTEL

Bechtel Training Roster

Russell City Energy Center (RCEC)

COURSE Number: New Hire Orientation Training

Location: Hayward Ca.

INSTRUCTOR NAME(S): GWEN BECHTEL / DANA SMITH

COURSE COMPLETION DATE: 10/1/10

Full Name	Employee Number	Employer/ Company	Today's Date
Alicia Kuehn		Griffin Soil	10-1-10
Jeff Jones		Griffin Soil	10-1-10
RAMIRO YANEZ		GRIFFIN SOIL	10-1-10
JOE CATTOOR		GRIFFIN SOIL	10-1-10
Scott Lafferty		PAPE MACHINERY	10-1-10
GABRIEL DELA TORRE		DESIVA GATES	10-1-10

INSTRUCTIORS SIGNATURE:

DATE: Oct 1, 2010

Bechtel Training Roster

Russell City Energy Center (RCEC)

COURSE Number: New Hire Orientation Training **Location:** Hayward Ca.

INSTRUCTOR NAME(S): D. Smith

COURSE COMPLETION DATE: 10/4/10

Employee Number	Full Name		Company	Date	
	Kevin Donahue		De SIG	10-4-10	
#1822	Octavio Torres		DE SILVA GATES	10-4-10	
	DAVID ROSE		GRIFFIN SOIL	10-4-2010	

Bechtel Training Roster

Russell City Energy Center (RCEC)

DATE: October 6th, 2010	
COURSE Number: New Hire Orientation Training	Location: Hayward Ca.
INSTRUCTOR NAME(S): GWEN BECHTEL	
COURSE COMPLETION DATE: 10-6-10	

Employee Number	Full Name		
	Taner Pamuk	TRB+/CEC	
	Lowell Brown	TRB+ CEC	

INSTRUCTOR'S SIGNATURE: Gwen Bechtel DATE: Oct 6th, 2010

FORM T_TRAIN.DOC 2006:REV.3

Bechtel Training Roster

Russell City Energy Center (RCEC)

DATE: October 13, 2010	
COURSE Number:	Location:
New Hire Orientation Training	Hayward Ca.
INSTRUCTOR NAME(S): GWEN BECHTEL / Dana SMITH	
COURSE COMPLETION DATE:	

Employee Number	Full Name			
STARS & STRIPES	EDWIN SERRANO			
" "	JOSE A. SOLIMAN			

INSTRUCTOR'S SIGNATURE: DATE:

FORM T_TRAIN.DOC 2006:REV.3

October 13, 2010

COURSE ROSTER RCEC TRAINING

DATE: October 18TH, 2010

BU COURSE ID:

BU COURSE TITLE: NEW HIRE / WEAP TRAINING

FILE NAME/VERSION NO.:

INSTRUCTOR NAME(S): GWEN BECHTEL

LOCATION WHERE GIVEN: ☒ Bechtel ☐ Other (specify) HAYWARD OFFICE

COURSE COMPLETION DATE: OCTOBER 18TH, 2010 COURSE LENGTH: Hours

PRINT NAME Clearly			SIGNATURE	BECHTEL EMPLOYEE NO.	
LAST	FIRST				
X Kesterson	X Jason		X	D&G	
Gonzalez	Martin			D&G	
Simons	David			D&G	
Amezquita	Oscar			FENCE	
Uriostegui	Jesus			FENCE	

INSTRUCTOR'S SIGNATURE: DATE: 10/18/10.

CONDITION OF CERTIFICATION
PAL-4

Russell City Energy Center
Monthly Compliance Report #3
October 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: James Verhoff, Staff Paleontologist
Geof Spaulding, RCEC Paleontological Resources Specialist (PRS)
Reporting For Period: October 2010

This report covers paleontological resources monitoring activities at RCEC project for the month of October 2010, as required by Conditions of Certification PAL-4.

Personnel Active in Paleontological Monitoring This Period

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

Monitoring and Associated Activities This Period

Monitoring for paleontological resources occurred on the following days:

Wednesday, October 6 through Friday, October 8

Tuesday, October 12 through Friday, October 15

Monday, October 18 through Friday, October 22

Monday, October 25 through Friday, October 29

Activities during this period had the potential to affect more deeply buried, paleontologically sensitive sediments included sewer line trenching.

Paleontological Resources Discoveries This Period

No paleontological material was identified.

Anticipated Activities in the Next Period

Monitoring is expected to continue though most of November 2010.

Comments, Issues or Concerns

No issues or concerns. Having a monitor cross-trained in paleontological and cultural resources continues to be a means to economically monitor construction excavations in what appears to a largely postglacial stratigraphic setting.

CONDITION OF CERTIFICATION COMPLIANCE-5
Compliance Matrix

Russell City Energy Center
Monthly Compliance Report #3
October 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 sJuration 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	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 specifiying 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 specifiying 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 specifiying 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 specifiying 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 specifiying 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 specifiying 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 specifiying how this condition is being complied with.										Not Started

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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	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 specifiying 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 specifiying 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 specifiying 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 souce test plan designed to satisfy the requirements of this condition.	Before commenement 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

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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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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	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

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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

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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 s 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 RESOUCES																
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 comlpetion 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 consturction 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.	Priro 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.	Priro 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 ot ordering first color treated sturctures	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 enforcemetn	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

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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