MARSH LANDING GENERATING STATION

MONTHLY COMPLIANCE REPORT #12

Report Period: August 2011

For Submittal to

California Energy Commission

Sacramento, California

08 – AFC – 3C

Monthly Compliance Report

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Marsh Landing Generating Station

Monthly Compliance Report

August 2011

1.0 Current Project Construction Status

The California Energy Commission Adoption Order 10-0825-03 was issued on August 25, 2010. This Monthly Compliance Report (MCR) covers the time period from August 1, 2011 through August 31, 2011.

Kiewit has driven 520 piles (approximately 35.7% of total) as of August 31, 2011. All piles for the following equipment have been driven: isophase bus #1, #2, and #4; generator step-up transformer (GSU) #1 and #2. Over 90% of the piles for combustion turbine-generator (CTG) #1 and #2 have been driven. Over 80% of the piles for SCR #1 and #2 have been driven.

Since Kiewit did not receive CBO approval of CTG piling design on the anticipated schedule, they are approximately 2-3 weeks behind schedule on pile driving activities. They are recovering schedule by working extended hours as necessary.

Kiewit and their subcontractor completed hydrostatic pressure testing on the remaining section of water line and wastewater line along the western access road.

Kiewit's subcontractor is 95% complete with the raw water tank installation. They started installing the wastewater tank on August 24, 2011.

Kiewit had issued a Notice of Potential Force Majeure Event to GenOn on March 23, 2011 concerning the earthquake and subsequent tsunami that struck Japan on March 11, 2011.

Kiewit withdrew their Notice on August 25, 2011. Kiewit conducted pneumatic pressure testing of the 16" main fuel gas line on August 17, 2011. The line was pressurized to 1190 psi with nitrogen gas. No loss of pressure and no leaks were detected.

Kiewit engineering is 53.7 % complete. Major activities that are either in progress or complete include: CBO submittals to comply with CEC Conditions of Certification and the California Building Standards Code; major equipment (Siemens and Mitsubishi) vendor shop drawing review; piling, foundation and underground pipe and duct bank design; and electric interconnection design.

Kiewit issued for review SCR cooling air fans piling, fuel gas conditioner and regulator piling and foundation, fuel gas heater foundation, isophase bus foundation, 5KV electrical enclosure foundation and vault drawings. Kiewit awarded the contract for switchyard relays and enclosures, and issued the fire protection system package for bids. The Chief Building Official (CBO) approved the Combustion Turbine-Generator (CTG) pile design during the week of August 8, 2011.

Siemens continued engineering, procurement and manufacturing process related to gas turbine-generator equipment. Turbine rotors, generator rotors and generator bedplates are all on order. Siemens has received two turbine rotor forgings in their Berlin shop, machining is 45% complete on the first.

Siemens has received all generator rotor forgings in their Charlotte shop, machining is 100% complete on the first and 50% complete on the second.

Mitsubishi continued engineering, procurement and manufacturing process related to SCR / Ammonia Systems. Most SCR equipment and components are on order and material procurement is in progress.

In accordance with Conditions of Certification BIO-5 and BIO-6, Mitigation measures implemented at the site during August included: ESA and silt fence installation/maintenance, wildlife pitfall management, waste management, dust control measures, vehicle speed limits and breeding bird monitoring. See separate Biological Resources Report Subsections 2.04-2.06 for details. (Conditions of Certification BIO-2, BIO-5 and BIO-6)

In accordance with Condition of Certification BIO-7, On August 3, 2011 the DB notified the CEC that bird nesting activity had ceased and requested that monitoring be reduced to two times per week until the end of the nesting season; CEC approved this request on August 3, 2011. There was no nesting activity at MLGS during the month of August. Details are presented in the Biological Resources Report Subsection 2.04/2.06

In accordance with Condition of Certification CUL-6, Monitoring of ground-disturbing construction activities continued during August 2011. Daily reports were emailed to CEC stating that no cultural resources over 50 years of age were discovered. On July 22, 2011, a request to reduce monitoring to spot checks during pile driving was submitted to the CPM and CEC cultural staff; CEC approval was received on August 22, 2011. Summary of cultural resources monitoring activities for August 2011, including monitoring logs, is provided in the separate Cultural Resources Report Subsection 2.12.

Paleontological and testing of spoils from borings continued during August 2011. Petition to reduce paleo monitoring to two times per week during pile driving submitted to CEC on 8/8/11; CEC approved the request on 8/22/11. On August 26, 2011 during pile driving, potential paleontological resources were found. Summary of paleontological resources monitoring activities for August 2011, including monitoring logs, is provided in the separate Paleontological Resources Report Subsection 2.24.

In compliance with Condition of Certification WASTE-10, Mash Landing is working closely with PG&E to ensure the project site is properly characterized, assessed, and remediated.

Worker Environmental Awareness Program (WEAP) training sessions began in February, 2011. During the month of August, 5 people completed the training. As of the end of August, a total of 223 people have completed the environmental awareness training as required by Conditions of Certification BIO-4, CUL-5 and PAL-4. Copies of the WEAP training acknowledgement forms are included in Section 2.0, subsection 2.11

2.0 Required Documents Submitted with this Report

The following table lists the Conditions of Certification that require monthly input, and an indication to what if any information is included in this compliance report at the end of this section.

Condition of Certification	Description	Summary of Items Included	Subsection
AQ-SC3	Dust and Road Cleanliness issues	Fugitive Dust Control & Water Truck Log	2.01
AQ-SC5	Diesel-Fueled Engine Control	Summary of diesel fueled engine control measures	2.02
AQ-SC9	Combustion Turbine Commissioning Limitation	NA for reporting period	2.03
BIO-2	Biologist duties during mobilization, construction, etc.	MLGS Biological Resources Report	2.04
BIO-4	WEAP Trained individual' documentation	WEAP Training Acknowledgement Forms, including number of persons who completed the training.	2.05
BIO-5	BRMIMP Implementation Measures	MLGS Biological Resources Report	2.06
BIO-6	Wildlife Mortality Report	MLGS Biological Resources Report	2.06
BIO-7	Monitoring of nesting activity	MLGS Biological Resources Report	2.06
CIVIL-1	Statement certifying that the CIVIL-1 documents have been approved by the CBO	NA	2.08
CIVIL-3	A list of non-conformance reports for the site-grading that requires a permit	NA for reporting period	2.09
CIVIL-4	Copy of the CBO's approval of the final grading plans and completion	NA for reporting period	2.10
CUL-5	WEAP training documentation	WEAP Training Acknowledgement Forms, including number of persons who completed the training.	2.11

CUL-6	Summary of cultural resources monitoring activities	MLGS Cultural Resources Report	2.12
ELEC-1	Copy of signed and stamped approval by electrical engineer that LORS were complied with for electrical design	Copy of signed and stamped approval by electrical engineer that LORS were complied with for electrical design	2.13
GEN-2	Report schedule changes/updates to the facility design submittals	Facility design submittal and change log	2.14
GEN-3	Copy of CBO payments	Copy of CBO Payments	2.15
GEN-4	Copy of CBO approval of the RE and other delegated engineers	NA for this reporting period	2.16
GEN-5	Copy of the CBO's approval of the responsible Engineers	Copy of the CBO Approval	2.17
GEN-6	Copy of all CBO approvals of qualifications of special inspectors	NA for this reporting period	2.18
GEN-7	Copy of CBO approval of any design or construction discrepancies after their approval	NA for reporting period	2.19
GEN-8	Notification of the completion of any work	NA for reporting period	2.20
MECH-1	Copy of CBO transmittal letters requesting review and approval of major plumbing or piping system final plans, specifications, and calculations. Include subsequent approvals by the CBO.	NA for reporting period	2.21
MECH-2	Copies of transmittal letters from CBO and/or Cal-OSHA inspections approving documentation regarding pressure vessel design, fabrication, and installation and the conformation of all appropriate ASME or other codes.	NA for reporting period	2.22
PAL-4	WEAP training documentation	WEAP Training Acknowledgement Forms, including number of persons who completed training	2.23

PAL-5	Summary of paleontological monitoring activities	MLGS Paleontological Resources Report	2.24
SOIL & WATER-2	Construction analysis of COC effectiveness	Analysis of Effectiveness	2.25
STRUC-1	Copy of CBO statement the proposed structural plans, specifications, and calculations have been approved and comply with the requirements set forth in the applicable engineering LORS	Copy of CBO statement	2.26
STRUC-3	Notification that the CBO has approved revisions to plans as required by the CBC	NA for reporting period	2.27
STRUC-4	Copies of the CBO approvals of plan checks and inspection checks.	NA for reporting period	2.28
TSE-1	Provide schedule updates for required submittals	Included in the Facility design submittal and change log (GEN-2)	2.29
TSE-2	CBO Approval of the responsible project engineers	CBO Approval of the responsible Project Engineers	2.30
TSE-4	Copy of signed and stamped approval by electrical engineer that LORS were complied with for switchyard, and outlet line and termination.	Copy of signed and stamped approval	2.31
WASTE-1	Asbestos management report	Asbestos Management Report	2.32
WORKER SAFETY-3	Construction Safety Supervisor monthly safety inspection report	Monthly Safety Inspection Report	2.33

Marsh Landing Generating Station

08-AFC-3C

AQ-SC3

Air Quality - Fugitive Dust Control

1. (AQ-SC3a) All unpaved roads and disturbed areas in the project and linear construction sites shall be observed daily (M-F) during the construction process for dust mitigation purposes when precipitation does not occur. A dated record of the observation shall be taken for inclusion in the monthly compliance report (MCR). Areas where additional mitigation measures are needed shall be noted.

   Aug 1, 2011 No dust observed. New Water Truck Active.

   Aug 2, 2011 No dust observed. Activities limited. Water Truck Active.

   Aug 3, 2011 No dust observed. Water Truck making the rounds.

   Aug 4, 2011 Slight dust where dozer was dumping dirt into truck. The remainder of the site was dust free. A very active water truck.

   Aug. 5, 2011 – Slight breeze. No dust observed. Water truck doing a very good job of keeping surfaces damp.

   Aug. 8, 2011 – Water truck keeping soil moist. No Dust observed.

   Aug. 9, 2011 – No dust observed.

   Aug. 10, 2011 – Slight breeze. No dust observed. Water Truck active.

   Aug. 11, 2011 – Site Active. Water Truck active. No dust observed.

   Aug. 12, 2011 – Slight amount of dust. Water Truck active.

   Aug. 15, 2011 – Slight breeze, but no dust observed. Water Truck Active.

   Aug. 16, 2011 – Slight amount of dust generated from outside the construction zone. Water Truck active.

Aug. 17, 2011 – No dust observed. Water truck active.

Aug. 18, 2011 – Only slight dust in immediate area. Water Truck Active.

Aug. 22, 2011 – No dust observed on the construction site. Water Truck active on site and paved roads.

Aug. 23, 2011 – Slight dust in the immediate area of pile transport. Water Truck active and appears to be diminishing the risk of further dust.

Aug. 24, 2011 – A lot of activity. Almost no dust present. Water truck doing a very good job.

Aug. 26, 2011 – Slight breeze with no dust observed. The lack of dust may be due to a very active water truck keeping things under control.

Aug. 29, 2011 – Water truck active across the site. No discernable dust.

Aug. 30, 2011 – Slightly cooler with an active dust quenching water truck. No dust observed.

Aug. 31, 2011 – Water Truck active. Slight dust in certain dryer areas.

2. (AQ-SC3b) Vehicles will be observed on a daily basis (M-F) for adherence to the 15 miles per hour limit within the construction site. Any excedence observed will be so noted with the actions taken to rectify the situation recorded. All records will be part of the monthly compliance report.

Aug 1, 2011 - Vehicles were all observed to be within the 15 mph limit.

Aug 2, 2011 - Vehicles observed to be traveling well within the limit.

Aug 3, 2011 – No traffic was observed exceeding the posted limits.

Aug. 4, 2011 – Traffic was slow and considerate.

Aug. 5, 2011 – Traffic well within the 15 mph limit.

Aug. 8, 2011 – Traffic well within limits.

Aug. 9, 2011 – one vehicle observed over limit for short period of time. All other vehicles were within the posted limits.

Aug. 10, 2011 – All vehicles maintaining proper speed limits.

Aug. 11, 2011 – Vehicles within the 15 mph limit.

Aug. 12, 2011 – Vehicles all observant and considerate, but pushing the speed limit.

Aug. 15, 2011 – All vehicles following the limits.

Aug. 16, 2011 – All vehicles observant and following the speed limits.

Aug. 17, 2011 – Traffic considerate and within limits.

Aug. 18, 2011 – Traffic all within limits.

Aug. 22, 2011 – Traffic slow, observant, and considerate.

Aug. 23, 2011 – There were no cases of excedence of the allowed speed by vehicles.

Aug. 24, 2011 – There were no vehicles for the MLGS project exceeding the allowable speed limit.

Aug. 26, 2011 – All vehicles were observed to be under the allowable speed limit. All vehicles were very considerate of pedestrians and work activities.

Aug. 29, 2011 – All vehicles appear to be observant of the posted speed limits.

Aug. 30, 2011 – All vehicles appear to be in compliance with speed limits.

Aug. 31, 2011 – All vehicles observed were in compliance with posted speed limits.

3. (AQ-SC3d) Signs shall be posted at each construction site entrance indicating that all vehicle tires are to be inspected and washed as necessary prior to entering paved roadways. The existence of the signs will be verified weekly. Paved roadways will be inspected weekly for verification of the effectiveness of the program with results included in the MCR.

   Aug 2, 2011 – Tire wash signs posted at the washing station on the exit road.

   Aug. 8, 2011 – Tire wash signs posted.

   Aug 17, 2011 – Tire wash station available and signs posted.

   Aug. 23, 2011 – Tire wash station is positioned and available by current exit route.

4. (AQ-SC3e) The gravel ramps at the tire washing/cleaning stations will be observed weekly for length and general condition. Observations will be included in the MCR.

   Aug 2, 2011 - Tire cleaning ramps are in place (24 feet) and in good condition.

Aug. 8, 2011 – Tire Cleaning ramps are in place, stable, and working as designed.

Aug. 17, 2011 – Tire cleaning ramps are working as anticipated. Good condition.

Aug. 23, 2011 – Tire cleaning ramps remain positioned and working on the main construction site entrance.

5. (AQ-SC3f) All unpaved exits from the construction site shall be graveled or otherwise treated to prevent track-out to public roadways. Observation of the effectiveness and condition of the measures taken shall be recorded weekly.

   Aug, 2011 - All exits between the construction site and public roadways are paved.

6. (AQ-SC3g) Fencing or other barriers shall be erected to prevent vehicles from entering the construction site through any access other than the graveled or treated entrance roadways. The status and effectiveness of the fencing/barriers shall be noted weekly for inclusion in the monthly compliance report.

   Aug 3, 2011 - All construction traffic is routed through a treated entrance/exit.

   Aug. 8, 2011 – All construction traffic is routed to appropriate entrance/exit.

   Aug. 17, 2011 – All construction traffic is routed over a treated entrance/exit.

   Aug. 23, 2011 – Construction traffic is temporarily alternatively routed. Dry sandy soil results in the effect being a non-issue. Water truck keeps the roads clear well before exiting the site.

   Aug. 30, 2011 – All vehicles appear to be using approved routes to and from the construction site.

7. (AQ-SC3h) Construction areas adjacent to all paved roadways shall be reviewed weekly for adherence to the measures as specified in the Storm Water Pollution Prevention Plan. Evaluation notes from the weekly audits will be included in the monthly compliance report.

   Aug 2, 2011 - Silt fencing, straw wattles, and sediment traps all in good condition.

   Aug. 8, 2011 – Storm Water Pollution Preventions plan measures are in place by all paved roadways.

   Aug. 17, 2011 – All paved roadways have silt fencing, straw wattles, and/or sediment traps in good condition.

Aug 26, 2011 –All SWPP measures along the road ways appear to be in place and in good condition.

Aug. 30, 2011 – All SWPP measures appear to be in place and functioning.

8. (AQ-SC3i) A water truck log shall be maintained designating the sweeping or washing of paved roads within the construction site. The record will be included in the monthly compliance report.

9. (AQ-SC3j) The first 500 feet of public roadway exiting from the construction site shall be observed on a daily basis (M-F) during the construction process for dirt or other debris. A dated record of the observation shall be taken for inclusion in the monthly compliance report (MCR). Sweeping or washing will be recorded in the water truck log for inclusion in the monthly compliance report.

Aug 1, 2011 – Dry conditions with no tracking onto public streets.

Aug. 2, 2011 – Tracking is not present onto public streets.

Aug 3, 2011 – Observation from Wilbur was that there is no tracking onto the street.

Aug. 4, 2011 – Public streets were showing no signs of tracking.

Aug. 5, 2011 – There is no tracking onto public streets from the construction access road.

Aug. 8, 2011 – No tracking onto public street.

Aug. 9, 2011 – Access to Wilbur Ave from the construction site is clean.

Aug. 10, 2011 – No dirt observed on access to Wilbur Ave.

Aug. 11, 2011 – Public access observed to be clean.

Aug. 12, 2011 – Public street observed to be free of construction soil.

Aug. 15, 2011 – Access to Wilbur is clean.

Aug. 16, 2011 – Dry conditions result in little tracking towards public streets.

Aug. 17, 2011 – Normal route closed. Traffic must travel further on paved surface to reach public street. (Wilbur) Street is clean.

Aug. 18, 2011 – Public street is clean.

Aug. 22, 2011 – Temporary access to Wilbur is via paved roadway. Access at Wilbur is clean.

Aug. 23, 2011 – Access to Wilbur Ave. is observed to be clean.

Aug. 24, 2011 – All entrances to Wilbur Ave were free of tracking and dirt.

Aug. 26, 2011 – Exit onto Wilbur appears to be free of dirt and tracking. The entrance road from Wilbur appears to have some tracking into the plant.

Aug. 29, 2011 – There is no tracking from construction roads onto the public Wilbur Ave.

Aug. 30, 2011 – Wilbur Ave. is free of construction dirt.

Aug. 31, 2011 – Wilbur is free of tracking from the construction site.

(AQ-SC3k) A record of all storage piles and disturbed areas shall be noted for inactivity that exceeds 10 days in length. Any disturbed areas or piles that have or are expected to exceed the 10 day rule will be treated with appropriate dust suppressant compounds. All areas that are treated with dust suppressant compounds will be noted for inclusion in the monthly compliance report.

Aug 2, 2011 All stock piles inactive for 10 or more days have been tarped.

Aug. 10, 2011 Inactive stock piles are tarped and protected.

Aug. 18, 2011 Inactive Stock Piles are tarped.

Aug. 23, 2011 Stock piles are tarped.

Aug. 30, 2011 Stock piles that are not in use are tarped and protected.

10. (AQ-SC3l) The construction contractor will include with his bid proposal packages the requirement that all vehicles that are used to transport solid bulk material on public roadways and that have the potential to cause visible emissions shall be provided with a cover, or the materials shall be sufficiently wetted and loaded onto the trucks to provide at least two feet of freeboard. Trucks carrying solid bulk material arriving at the construction site will be inspected for adherence to this requirement.

11. (AQ-SC3m) Wind erosion techniques shall be used on all construction areas that may be disturbed. A record of wind erosion techniques employed for a given month shall be included in the monthly compliance report.

Techniques employed:

Roadways kept clean.

Watering using various methods. (Truck and hose.)

Tarps on stock piles

Sweeper Brush Clean up of paved roads.

Kiewit

MARSH LANDING

Water Truck Log

Date: 8-31-11

Start Time: 7:00 Meter Reading: 063363

End Time: 5:30 Meter Reading: 063962

Total Gallons:

Areas: 1. Paved access road from MLGS to Wilbur access: 2 times

2. Craft Parking Area: 10 times

3. Laydown area: 8 times

4. Work Area: Grading 15 times

5. Work Area: Pile Drivers, 16 times

6. Wilbur Ave Access: No Access times

Kiewit

MARSH LANDING

Water Truck Log

Date: 8-30-11

Start Time: 7:00 Meter Reading: 062760

End Time: 5:30 Meter Reading: 063362

Total Gallons:

Areas: 1. Paved access road from MLGS to Wilbur access: 2 times

2. Craft Parking Area: 10 times

3. Laydown area: 11 times

4. Work Area: Grading 12 times

5. Work Area: Pile Drivers 14 times

6. Wilbur Ave Access: No Access times

Kiewit

MARSH LANDING

Water Truck Log

Date: 8-29-11

Start Time: 7:00 Meter Reading: 062211

End Time: 5:30 Meter Reading: 062760

Total Gallons: _____

Areas: 1. Paved access road from MLGS to Wilbur access: 2 times

2. Craft Parking Area: 5 times

3. Laydown area: 8 times

4. Work Area: Grading 8 times

5. Work Area: Pile Drivers 12 times

6. Wilbur Ave Access: No Access times

Kiewit

MARSH LANDING

Water Truck Log

Date: 8-26-11

Start Time: 7:00 Meter Reading: 061725

End Time: 4:00 Meter Reading: 06210

Total Gallons:

Areas: 1. Paved access road from MLGS to Wilbur access: 2 times

2. Craft Parking Area: 7 times

3. Laydown area: 9 times

4. Work Area: Grading 12 times

5. Work Area: PILE DRIVERS, 13 times

6. Wilbur Ave Access: No ACCESS times

Kiewit

MARSH LANDING

Water Truck Log

Date: 8-25-11

Start Time: 7:00 Meter Reading: 061064

End Time: 5:30 Meter Reading: 061710

Total Gallons:

Areas: 1. Paved access road from MLGS to Wilbur access: 2 times

2. Craft Parking Area: 8 times

3. Laydown area: 7 times

4. Work Area: Grading 14 times

5. Work Area: PILE DRIVERS, 6 times

6. Wilbur Ave Access: No Access times

Kiewit

MARSH LANDING

Water Truck Log

Date: 8-24-11

Start Time: 7:00 Meter Reading: 060686

End Time: 4:00 Meter Reading: 061064

Total Gallons:

Areas: 1. Paved access road from MLGS to Wilbur access: 2 times

2. Craft Parking Area: 5 times

3. Laydown area: 4 times

4. Work Area: Grading 12 times

5. Work Area: PILE DRIVERS, 12 times

6. Wilbur Ave Access: NO ACCESS times

Kiewit

MARSH LANDING

Water Truck Log

Date: 8-23-11

Start Time: 7:00 Meter Reading: 060334

End Time: 6:30 Meter Reading: 060668

Total Gallons: 33,400

Areas: 1. Paved access road from MLGS to Wilbur access: _____ times

2. Craft Parking Area: 5 times

3. Laydown area: 2 times

4. Work Area: Grading 6-1 times

5. Work Area: Pile Drivers, 10 times

6. Wilbur Ave Access: No ACCESS times

TANK-6- 4 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 8-22-11

Start Time: 7:00 Meter Reading: 059854

End Time: 5:30 Meter Reading: 060334

Total Gallons: 48,000

Areas: 1. Paved access road from MLGS to Wilbur access: 1 times

2. Craft Parking Area: 10 times

3. Laydown area: 10 times

4. Work Area: Grading 11 times

5. Work Area: PILE DRIVERS 10 times

6. Wilbur Ave Access: ——— times

Kiewit

MARSH LANDING

Water Truck Log

Date: 8-19-11

Start Time: 7:00 Meter Reading: 059493

End Time: 4:30 Meter Reading: 059854

Total Gallons: _____

Areas: 1. Paved access road from MLGS to Wilbur access: 1 times

2. Craft Parking Area: 5 times

3. Laydown area: 10 times

4. Work Area: Grading 12 times

5. Work Area: Pile Drivers times

6. Wilbur Ave Access: 0 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 8/18/11

Start Time: 7:00 AM Meter Reading: 05892.0

End Time: 5.30 PM Meter Reading: 05946.4

Total Gallons:

Areas: 1. Paved access road from MLGS to Wilbur access: 1 times

2. Craft Parking Area: 3 times

3. Laydown area: 20 times

4. Work Area: Grading 10 times

5. Work Area: Tank 6, 3 times

6. Wilbur Ave Access: 0 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 8/17/11

Start Time: 7:00 Am Meter Reading: 05858.8

End Time: 3:30 pm Meter Reading: 05892.0

Total Gallons:

Areas: 1. Paved access road from MLGS to Wilbur access: 2 times

2. Craft Parking Area: 7 times

3. Laydown area: 20 times

4. Work Area: Grading 5 times

5. Work Area: Parking lot, 15 times

6. Wilbur Ave Access: 2 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 8/16/11

Start Time: 7:08 AM Meter Reading: 08521.4

End Time: 3:20 pm Meter Reading: 0585 8.8

Total Gallons: _____

Areas: 1. Paved access road from MLGS to Wilbur access: 1 times

2. Craft Parking Area: 6 times

3. Laydown area: 1.5 times

4. Work Area: Grading 5 times

5. Work Area: water bossto, 4 times

6. Wilbur Ave Access: 1 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 8/15/11

Start Time: 7:00 AM Meter Reading: 05787.2

End Time: 3:30 pm Meter Reading: 05821.4

Total Gallons: _____

Areas: 1. Paved access road from MLGS to Wilbur access: 1 times

2. Craft Parking Area: 5 times

3. Laydown area: 5 times

4. Work Area: Grading 2 times

5. Work Area: _____, _____ times

6. Wilbur Ave Access: 1 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 8/12/2011

Start Time: 7:00 AM Meter Reading: 05743.6

End Time: 3:30 pm Meter Reading: 05787.2

Total Gallons: _____

Areas: 1. Paved access road from MLGS to Wilbur access: 2 times

2. Craft Parking Area: 5 times

3. Laydown area: 15 times

4. Work Area: Grading 10 times

5. Work Area: _____, _____ times

6. Wilbur Ave Access: _____ times

Kiewit

MARSH LANDING

Water Truck Log

Date: 8/10/11

Start Time: 700 Meter Reading: 5640.5

End Time: 3:30 Meter Reading: 5703.5

Total Gallons: 63.0

Areas: 1. Paved access road from MLGS to Wilbur access: 11 times

2. Craft Parking Area: 11 times

3. Laydown area: 11 times

4. Work Area: Grading 111 times

5. Work Area: _____, 111 times

6. Wilbur Ave Access: _____ times

Kiewit

MARSH LANDING

Water Truck Log

Date: 8/9/11

Start Time: 200 Meter Reading: 5577.5

End Time: 3:30 Meter Reading: 5640.5

Total Gallons: 630

Areas: 1. Paved access road from MLGS to Wilbur access: 11 times

2. Craft Parking Area: 11 times

3. Laydown area: 111 times

4. Work Area: Grading 111 times

5. Work Area: _____, 111 times

6. Wilbur Ave Access: _____ times

Kiewit

MARSH LANDING

AUGUST 11

Water Truck Log

Date: 8/8/11

Start Time: 7:00 AM. Meter Reading: 5509.0

End Time: 3:30 Meter Reading: 5577.5

Total Gallons: 68.5

Areas: 1. Paved access road from MLGS to Wilbur access: // times

2. Craft Parking Area: /// times

3. Laydown area: // times

4. Work Area: Grading _____ times

5. Work Area: _____, /// /// times

6. Wilbur Ave Access: _____ times

Kiewit

MARSH LANDING

Water Truck Log

Date: 8/5/11

Start Time: 700 Meter Reading: 5448.1

End Time: 330 Meter Reading: 5509.0

Total Gallons: 60.9

Areas: 1. Paved access road from MLGS to Wilbur access: 1 times

2. Craft Parking Area: 11 times

3. Laydown area: _____ times

4. Work Area: Grading _____ times

5. Work Area: _____, ~~////~~ 1111 times

6. Wilbur Ave Access: _____ times

Back Fill 111

Kiewit

MARSH LANDING

Water Truck Log

Date: 8/4/11

Start Time: ~~8/4/11~~ 700 A.M. Meter Reading: 5391.2

End Time: 3:30 Meter Reading: 5448.1

Total Gallons: 46.9

Areas: 1. Paved access road from MLGS to Wilbur access: 11 times

2. Craft Parking Area: 111 times

3. Laydown area: 11 times

4. Work Area: Grading ____ times

5. Work Area: ____, 111 times

6. Wilbur Ave Access: ____ times

BACKFILL 111

Kiewit

MARSH LANDING

Water Truck Log

Date: 8-3-11

Start Time: 7:00 AM Meter Reading: 5333000

End Time: 3:00 pm Meter Reading: 5391.200

Total Gallons: 58.2

Areas: 1. Paved access road from MLGS to Wilbur access: 11 times

2. Craft Parking Area: /// times

3. Laydown area: /// times

4. Work Area: Grading times

5. Work Area: , /// times

6. Wilbur Ave Access: times

Kiewit

MARSH LANDING

Water Truck Log

Date: 8-2-11

Start Time: 7:00 AM Meter Reading: 5280.7

End Time: 3:30 Meter Reading: 5333.0

Total Gallons: 52.3

Areas: 1. Paved access road from MLGS to Wilbur access: // times

2. Craft Parking Area: /// times

3. Laydown area: // times

4. Work Area: Grading times

5. Work Area: , /// times

6. Wilbur Ave Access: times

Back Fill ///

Kiewit

MARSH LANDING

Water Truck Log

Date: 8-1-2011

Start Time: 7:00 AM Meter Reading: 5223.20

End Time: 3:30 Meter Reading: 5280.70

Total Gallons: 57-50

Areas: 1. Paved access road from MLGS to Wilbur access: // times

2. Craft Parking Area: // times

3. Laydown area: // times

4. Work Area: Grading ____ times

5. Work Area: ____, // // times

6. Wilbur Ave Access: ____ times

Back fill. ///

Marsh Landing Generating Station Off Road Diesel Log

Date	Equipment #	Type	Model or S/N	Engine Family	EIN #	< 6 Days on Site	< 50 HP	Engine TIER	TIER Record	Owner	Maint Letter/Rcrds On File	Days Expected on Site	Date Off Site
2/15/2011	113485	JD Excavator Deere	350D	8JDXL09.102	PW8N94			3	(AC)	United Rental	X	60	4/22/2011
2/15/2011	Springline	25 KVA	25KW	Whisper Watt	N/A		X					60	5/5/2011
2/15/2011	HF08032	Hyster Forklift	210	7CEXL0409AAC	PY5K94			3	(AB)	Pape	X	45	5/5/2011
2/15/2011	48-0716	Gehl Extendable Fork Lift	DL12-40	8JDXL06.8105	TJ9W45			3	(AA)	PKS	X	750	
2/16/2011	1125672	JD Excavator Deere	350D	7HDXK09.0102	GT8F58			3	(AD)	United Rental	X	60	4/22/2011
2/18/2011	1126861	Light Plant	MQ		N/A		X			United Rental	X	750	3/4/2011
2/18/2011	20-2234	IR Compressor	P-185		N/A		X			PKS		750	
2/25/2011	1162849	Bobcat	T190	AKBXL02.6EAD	6N6C98			4	(AG)	United Rental	X	28	3/18/2011
2/25/2011	1169832	Extendable Forklift	JLG G12-55A	ACEXL0275AAG	ME8R55			3	(AE)	United Rental	X	60	3/23/2011
3/1/2011	504-977271	Deere Backhoe	710	7JDXL06.8041	CDGE85			3	(AF)	United Rental	X	30	3/29/2011
3/1/2011	516-736599	25 KW GEN	25KW	AKBXL026EAD 7106595	N/A		X			United Rental	X	60	4/15/2011
3/2/2011		Terex Crusher		7CPXL08.8ESK	D06B94			3	(AH)	Power Screen	X	60	4/20/2011
3/8/2011	54226	Excavator	X350LCH	75ZXL07.8HXB	PF6T33			3	(AJ)	Mecon	X	60	3/18/2011
3/10/2011		JD Skip Loader	210LE	4JDXL04.5025	HL8F77			2	(AK)	United Rental	X	14	3/18/2011
3/10/2011	9509806016	Roller	IR 5D-70	5CEXL0275AAC	FG4A98			2	(AL)	Hertz	X	14	3/18/2011
3/10/2011		Sweeper			TU6G86		X			PKS		750	3/24/2011
3/10/2011		Mechanical Van Generator			N/A		X			PKS		750	
3/23/2011	1016088	JLG Extendable Forklift		7CEXL0275	DD5M55			3	(AM)	United Rental	X	30	4/26/2011
3/23/2011		Excavator		7SZXL05.21XA	MX3J97			3	(AN)	Mecom	X	30	4/26/2011
3/23/2011	2703678	John Deere 710 Backhoe	JD710	8JDXL06.8041	HS8U59			3	(AO)	Pape	X	750	
3/24/2011	1178596	Manlift	600AJ		CG9C99		X	(4)		United Rental	X	30	4/14/2011
3/24/2011	28-0316	Roller Broom			YN6S97		X			PKS		750	
3/25/2011	1179436	Loader	JD 644	AJDXL06.8115	JL7U58			3	(AP)	United Rental	X	30	4/18/2011

Marsh Landing Generating Station Off Road Diesel Log

Date	Equipment #	Type	Model or S/N	Engine Family	EIN #	< 6 Days on Site	< 50 HP	Engine TIER	TIER Record	Owner	Maint Letter/Rcrds On File	Days Expected on Site	Date Off Site
3/29/2011	10-9901	Excavator		8SZXL03.0JTA	SY8V36			3	(AQ)	United Rental	X	30	4/26/2011
4/7/2011	#NM26740	Tack Loader	Cat 973	7CPXL08.8ESK				3	(AR)	Cresco	X	14	4/19/2011
4/7/2011	5-9901	Bulldozer (D9)		ACPXL18.1ESK	EM8V93			3	(AT)	Cresco	X	30	5/10/2011
4/7/2011	8-9901	Blade		8CPXL11.1ESK	LM3G86			3	(AS)	HOLT	X	120	6/20/2011
4/7/2011	8-9901	Blade		8CPXL11.1ESK	LM3G86			3	(AS)	HOLT	X	120	6/20/2011
4/7/2011	11-1509	Compactor		7CPXL15.2ESK				3	(AU)	PKS	X	180	
4/7/2011	4-3276	Back Trailer					X			PKS	X	180	
4/8/2011	549-26-8005	Generator	MultiquipDCA300ss	8KLXL11.0D06				3	(AV)	Hertz	X	60	8/15/2011
4/11/2011	461	CME75 Drill Rig	Cummins			X				Layne		4	4/14/2011
4/11/2011	Backhoe	825 Case				X				Layne		4	4/14/2011
4/15/2011		Excavator	325DL	MC9H37		X						5	4/19/2011
4/15/2011	12-9903	Scrapper	s/n CEH00423	4CPXL18.0HSK	SN586			2	(AZ)	HOLT	X	60	5/10/2011
4/15/2011	12-9904	Scrapper	s/n CEH00424	4CPXL18.OHSK	XD8X57			2	(BA)	HOLT	X	60	5/10/2011
4/15/2011	12-9901	Scrapper	s/n DFJ00228	5DOXK18.1ESK	BE8S55			3	(AX)	HOLT	X	60	5/19/2011
4/15/2011	12-9902	Scrapper	s/n DFJ000229	5CPXL18.1ESK	JF3W87			3	(AY)	HOLT	X	60	5/19/2011
4/15/2011	10-9902	Excavator	s/n PJW01076	6CPXL12.5ESK	KD7E86			3	(AW)	HOLT	X	90	7/14/2011
4/18/2011	11-9902	Roller	NM28923	APKXL06.6PJ2	HH6H89			3	(BB)	Cresco	X	60	6/20/2011
4/21/2011	812036	JD Skip Loader	210LE	4JDXL04.5025	EC5U96			2	(BC)	United Rental	X	60	5/5/2011
5/9/2011	435121	Excavator	TB180FR		RE3K34	X				United Rental		5	5/13/2011
5/10/2011	NM28692	CAT Bulldozer	D6KXL	8PKXL06.6PJ2	TU6V38			3	(BD)	PKS	X	365	
5/11/2011	1202223	4 yard wheel loader	Case 821F 4	BVEXL06.7SCA	RA4H99			4	(BE)	United Rental	X	60	6/27/2011
5/16/2011	1113618	John Deere 135D Excavator		8SZXL03.DJTA	SY8V36			3	(BF)	United Rental	X	60	7/7/2011
5/17/2011	7378886	Manlift				X				United Rental		5	5/24/2011
5/17/2011	1198654	Forklift			LL3D35	X				United Rental		5	5/24/2011
5/17/2011	1197083	Takeuchi Excavator	TB-180	AYDXL3.32M4N	TA7N35			4	(BG)	United Rental	X	60	7/7/2011
5/19/2011	CB-224E	Compactor			NG5C97	X				Vintage Paving		3	5/20/2011
5/19/2011	R0038	Compactor			TY6A55	X				Vintage Paving		3	5/20/2011
5/19/2011	006	Skip Loader	210 C		MC4544	X				Vintage Paving		3	5/20/2011
5/23/2011	6-9904	Skip Loader	570 MX3		FR4G57	X				United Rental		5	5/27/2011
5/23/2011	966H	CAT Loader		ACPXL11.1ESK	SG3G75			3	(BH)	PKS	X	700	
6/1/2011	1049	Crane	Manitowoc 4000	9CEXL00661AAF	EW9F88			3	(BI)	Foundation Inc	X	90	

Marsh Landing Generating Station Off Road Diesel Log

Date	Equipment #	Type	Model or S/N	Engine Family	EIN #	< 6 Days on Site	< 50 HP	Engine TIER	TIER Record	Owner	Maint Letter/Rcrds On File	Days Expected on Site	Date Off Site
6/1/2011	1082	Pettibone 304A	Super 30 Model 304A	7CEXL050AAE	ML8T58			3	(BJ)	Foundation Inc	X	90	
6/8/2011	6104	6104 HPSI Power Pack	JSC03174	7CPXL08.8ESK	141362			3	(BK)	Foundation Inc	X	90	
6/10/2011	EX200	Excavator	Cat321D	8MVXL06.4FF	YL7X44			3	(BL)	United Rental	X	90	7/1/2011
6/10/2011	#124755123	Backhoe	420	8PKXL04.4NH1	HH6U56			3	(BM)	Cresco	X	90	7/15/2011
6/14/2011	22-9906	Generator	DCA-25SS1U2				X			United Rental		21	7/13/2011
6/14/2011	549-26-0011	Generator	22-9904	ACEXL0540AAB				3	(BN)	Hertz		60	8/15/2011
6/26/2011	966-H	CAD Loader			JP9V45	X				Peterson		5	7/6/2011
7/7/2011	NMZ6432	Excavator	CAT 325D	6CPXL07.2ESL	FE9M98			3	(BO)	Cresco	X	60	7/15/2011
7/7/2011		Lincoln 300 Welder	768-30-6248-HPS				X			Hertz		60	
7/8/2011		Manlift			DVSF74	X				United Rental		5	7/10/2011
7/8/2011	1005	Crane			MT6B87			3	(BP)	Foundation Inc	X	60	
7/8/2011	6017	Power Pack						3	(BQ)	Foundation Inc	X	60	
7/8/2011		Steam Cleaner					X			PKS		700	
7/12/2011	1068	Pettibone	Super 30 Forklift	9CEXLO505AAE	LP8G94			3	(BR)	Foundation Inc	X	90	
7/12/2011	11-9904	Rollar CAT CS56	NM2895	AOJXK06.6PJ2				3	(BS)	Cresco	X	30	
7/12/2011	10-9903	CAT 314D Excavator	CRS16763	BMVXL04.2CCC	RY7G54			3	(BT)	HOLT	X	30	
7/13/2011	1184-4018	Excavator 315C	NM26034		SA3E75	X				Cresco		5	7/18/2011
7/15/2011	124755123	Backhoe	315 C	8PKXL04.4NH1	EV9U66			3	(BU)	Cresco	X	60	7/19/2011
7/15/2011	BW123PDH-3	Roller			EJ4E89	X				United Rental		5	7/19/2011
7/15/2011	006-18-5879	Ingersol Rand R185	Compressor				X			Hertz		60	
7/25/2011	22-940	Generator	609-815340		N/A		X			United Rental		45	
8/2/2011	1196536	Extended Fork Lift		BJDXL06.8117	XV7L67			3	(BU)	United Rental	X	60	
8/5/2011	1125638	Bobcat Fork Lift			DB5M34		X			United Rental		60	
8/5/2011		Excavator				X						5	8/10/2011
8/8/2011	10-3073	Excavator	CAT 328D	ACPXL07.2ESL	DW6P79			3	(BV)	PKS	X	600	
8/9/2011	1065766	Manlift	SkyJack		XD7W34		X			United Rental		30	
8/24/2011	21-3076	Lincoln Welder	Commander 500				X			PKS		600	
8/24/2011	21-2654	Lincoln Welder	Commander 500				X			PKS		600	
8/24/2011	21-2669	Lincoln Welder	Commander 500				X			PKS		600	

Marsh Landing Generating Station Off Road Diesel Log

Date	Equipment #	Type	Model or S/N	Engine Family	EIN #	< 6 Days on Site	< 50 HP	Engine TIER	TIER Record	Owner	Maint Letter/Rcrds On File	Days Expected on Site	Date Off Site

United Rentals

August 2, 2011

Unit # 1196536 Genie GTH-1056 forklift has been maintained per manufactures requirements and is in good working order. At the time of the machines departure from United Rental yard in Dublin, CA. to the jobsite (Marsh Landing Generating Station) a full inspection was performed prior to allowing the machine to leave our yard. If any Safety or Environmental issues where found during this inspection the machine would not be allowed to be put to work until all issues have been resolved.

United Rentals

George Calligeros

Account Manager

Northern California

California Environmental Protection Agency AIR RESOURCES BOARD	JOHN DEERE POWER SYSTEMS	EXECUTIVE ORDER U-R-004-0433 New Off-Road Compression-Ignition Engines

Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2011	BJDXL06.8117	4.5, 6.8	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Electronic Control Module, Direct Diesel Injection, Turbocharger, Charge Air Cooler, Smoke Puff Limiter	Loaders, Tractor, Dozer, Pump, Generator Set, Compressor, Other Industrial Equipment

The engine models and codes are attached.

The following are the exhaust certification standards (STD), or family emission limit(s) (FEL) as applicable, and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
75 ≤ kW < 130	Tier 3	STD	N/A	N/A	4.0	5.0	0.30	20	15	50
		FEL	--	--	3.8	--	--	--	--	--
		CERT	--	--	3.5	1.6	0.20	6	2	12

BE IT FURTHER RESOLVED: That the family emission limit(s) (FEL) is an emission level declared by the manufacturer for use in any averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of any engine within this engine family under 13 CCR Sections 2423 and 2427.

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this 22 day of December 2010.

Annette Hebert, Chief
Mobile Source Operations Division

Engine Model Summary Form

Attachment Page 1 of 2

EO#: U-R-004-0433

11-17-2010

ufacturer: **John Deere Power Systems**

ine category: **Nonroad CI**

Engine Family: **BJDXL06.8117**

Family Name: **350HAH**

cess Code: **New Submission**

ngine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
5HF285G	4045H	139.47@2400	102.10@2400	55.14@2400	387.17@1600	120.2@1600	43.33@1600	EM EC SPL
45HF285F	4045H	124.72@2400	91.80@2400	49.56@2400	354.72@1600	111.9@1600	40.33@1600	EM EC SPL
45HF285C	4045H	115.33@2400	84.80@2400	45.77@2400	317.11@1600	101.1@1600	36.45@1600	EM EC SPL
45HF285D	4045H	115.33@2200	90.40@2200	44.71@2200	354.72@1600	113.7@1600	40.97@1600	EM EC SPL
45HF285E	4045H	124.72@2200	97.00@2200	47.98@2200	387.17@1600	124.3@1600	44.78@1600	EM EC SPL
68HF285E	6068H	173.00@2400	82.40@2400	66.69@2400	491.89@1500	101.22@1500	51.22@1500	EM EC SPL
68HF285F	6068H	173.00@2200	86.60@2200	64.18@2200	526.55@1500	108.46@1500	54.83@1500	EM EC SPL
68HF285G	6068H	155.56@2400	75.70@2400	61.31@2400	441.01@1500	93.6@1500	47.43@1500	EM EC SPL
68HF285H	6068H	155.56@2200	79.20@2200	58.78@2200	491.89@1500	102.6@1500	52.01@1500	EM EC SPL
68HF285I	6068H	139.47@2400	68.90@2400	55.80@2400	396.76@1500	87.3@1500	44.23@1500	EM EC SPL
68HF285J	6068H	139.47@2200	72.30@2200	53.64@2200	441.01@1500	96.4@1500	48.88@1500	EM EC SPL
45HF285J	4045H	126.06@1800	115.80@1800	46.90@1800				EM EC SPL
45HF285I	4045H	158.25@1800	144.10@1800	58.32@1800				EM EC SPL
45HF285H	4045H	132.77@1800	121.70@1800	49.26@1800				EM EC SPL
68HT066	6068H	123.38@2100	68.20@2100	48.29@2100	401.18@1500	90.4@1500	45.84@1500	EM EC SPL
68HT069	6068H	173.00@2000	93.80@2000	63.28@2000	544.25@1500	120.7@1500	61.07@1500	EM EC SPL
45HT056	4045H	127.40@2200	85.60@2200	49.81@2200	387.17@1600	106.56@1600	45.11@1600	EM EC SPL
68HT063A	6068H	167.63@2100	87.50@2100	62.00@2100	550.89@1500	118.2@1500	59.79@1500	EM EC SPL
68HT063B	6068H	173.00@2100	90.00@2100	63.74@2100	573.75@1500	119.1@1500	60.26@1500	EM EC SPL
8HDW74A	6068H	152.88@2350	76.10@2350	60.37@2350	511.07@1600	107.3@1600	58.10@1600	EM EC SPL
68HT067	6068H	139.47@2200	72.30@2200	53.64@2200	441.01@1500	96.4@1500	48.88@1500	EM EC SPL
45HT057A	4045H	108.63@2200	89.20@2200	44.14@2200	337.03@1500	114.4@1500	38.61@1500	EM EC SPL
45HT057B	4045H	115.33@2200	93.50@2200	46.28@2200	370.95@1500	118.9@1500	40.11@1500	EM EC SPL
45HP052C	4045H	116.67@2100	96.90@2100	45.75@2100	353.84@1575	113.9@1575	40.33@1575	EM EC SPL
45HP052A	4045H	135.45@2100	111.50@2100	52.65@2100	383.93@1575	122.4@1575	43.35@1575	EM EC SPL
45HP052B	4045H	128.07@2100	105.50@2100	49.81@2100	386.73@1575	122.5@1575	43.39@1575	EM EC SPL
45HDW54	4045H	128.74@2200	100.90@2200	49.94@2200	389.39@1600	122.6@1600	44.21@1600	EM EC SPL
68HT072	6068H	173.00@2000	93.80@2000	63.28@2000	544.25@1500	120.7@1500	61.07@1500	EM EC SPL
5HPRNT6	4045H	146.18@2400	111.50@2400	60.17@2400	413.65@1600	131.8@1600	47.40@1600	EM EC SPL

DDI, TC

45HFG82I	4045H	158.25@1800	144.10@1800	58.32@1800	~~2.02 AQ SC5~~ EM EC SPL	DDI, CAC, T
5HFG82H	4045H	132.77@1800	121.70@1800	49.26@1800	EM EC SPL	DDI, TC,

Date: 11-17-2010 Attachment page 2 of 2

EO#: U-R-004-0433

BV

Kiewit

Marsh Landing Generating Station

Date: 8/8/11

10-3073 Has been maintained per manufactures requirements and is in good working order. At the time of the machines arrival to site (Marsh Landing Generating Station) a full inspection prior to allowing the machine to work was performed. If any Safety or Environmental issues where found during this inspection the machine would not be allowed to work tell all issues have been resolved.

Kevin Bock
Equipment Superintendent
Kiewit Powers Constructors Co

California Environmental Protection Agency AIR RESOURCES BOARD	CATERPILLAR INC.	EXECUTIVE ORDER U-R-001-0377 New Off-Road Compression-Ignition Engines

Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engine and emission control system produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2010	ACPXL07.2ESL	7.2	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Direct Diesel Injection, Turbocharger, Charge Air Cooler and Engine Control Module	Loader and Industrial Equipment

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
130 ≤ KW < 225	Tier 3	STD	N/A	N/A	4.0	3.5	0.20	20	15	50
		CERT	--	--	3.3	2.8	0.14	14	4	20

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this 23 day of October 2009.

Annette Hebert

Annette Hebert, Chief
Mobile Source Operations Division

Engine Model Summary Template

ATTACHMENT 1 of 3

U-R-001-0377
12/23/10

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
ACPXL07.2ESL	Cert Test	C7	275@2100	147	104	977@1400	202	95	EM, DI, TC,
ACPXL07.2ESL	1	C7	233@1800	139	84.4	724@1350	152	69.0	EM, DI, TC,
ACPXL07.2ESL	2	C7	197@1800	120	72.9	690@1350	145	66.0	EM, DI, TC,
ACPXL07.2ESL	3	C7	197@1800	120	72.8	690@1350	145	66.0	EM, DI, TC,
ACPXL07.2ESL	4	C7	174@1800	105	63.3	611@1350	132	59.9	EM, DI, TC,
ACPXL07.2ESL	5	C7	225@2200	117	86.7	646@1500	138	69.4	EM, DI, TC,
ACPXL07.2ESL	6	C7	216@1800	130	78.9	756@1400	158	74.6	EM, DI, TC,
ACPXL07.2ESL	7	C7	219@1800	134	81.2	715@1400	152	69.0	EM, DI, TC,
ACPXL07.2ESL	8	C7	233@1800	142	86.0	715@1400	150	68.1	EM, DI, TC,
ACPXL07.2ESL	9	C7	225@2200	116	86	758@1400	156	74	EM, DI, TC,
ACPXL07.2ESL	10	C7	197@1800	120	73	690@1400	145	68	EM, DI, TC,
ACPXL07.2ESL	11	C7	232@1800	142	86	715@1400	151	71	EM, DI, TC,
ACPXL07.2ESL	12	C7	219@1800	133	81	715@1400	151	71	EM, DI, TC,
ACPXL07.2ESL	14	C7	250@2200	131	97	842@1400	171	81	EM, DI, TC,
ACPXL07.2ESL	15	C7	196@1800	118	72	661@1400	142	67	EM, DI, TC,
ACPXL07.2ESL	16	C7	250@1800	148	90	842@1400	171	81	EM, DI, TC,
ACPXL07.2ESL	17	C7	250@1800	148	90	842@1400	171	81	EM, DI, TC,
ACPXL07.2ESL	18	C7	225@2200	120	89	657@1500	141	71	EM, DI, TC,
ACPXL07.2ESL	19	C7	250@1800	148	90	842@1400	171	81	EM, DI, TC,
ACPXL07.2ESL	20	C7	205@2100	116	82	578@1500	127	64	EM, DI, TC,
ACPXL07.2ESL	21	C7	232@1800	142	86	715@1400	151	71	EM, DI, TC,
ACPXL07.2ESL	22	C7	219@1800	133	81	715@1400	151	71	EM, DI, TC,
ACPXL07.2ESL	23	C7	232@1800	142	86	715@1400	151	71	EM, DI, TC,
ACPXL07.2ESL	24	C7	300@2200	152	113	940@1400	189	89	EM, DI, TC,
ACPXL07.2ESL	25	C7	300@2100	157	111	940@1400	189	89	EM, DI, TC,
ACPXL07.2ESL	26	C7	188@2000	111	74	673@1000	138	47	EM, DI, TC,
ACPXL07.2ESL	27	C7	193@2000	114	77	693@1000	144	48	EM, DI, TC,
ACPXL07.2ESL	28	C7	193@2000	112	76	712@1000	146	49	EM, DI, TC,

Engine Model Summary Template

ATTACHMENT 2 of 3

U-R-001-0377
12/23/10

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
ACPXL07.2ESL	29	C7	202@2000	117	79	732@1000	150	50	EM, DI, TC,
ACPXL07.2ESL	30	C7	208@2000	120	81	752@1000	155	52	EM, DI, TC,
ACPXL07.2ESL	31	C7	213@2000	122	82	772@1000	160	54	EM, DI, TC,
ACPXL07.2ESL	32	C7	217@2000	125	84	791@1000	164	55	EM, DI, TC,
ACPXL07.2ESL	33	C7	223@2000	127	86	811@1000	167	56	EM, DI, TC,
ACPXL07.2ESL	34	C7	237@2000	133	89	870@1000	180	61	EM, DI, TC,
ACPXL07.2ESL	35	C7	275@2200	143	106	927@1400	188	88	EM, DI, TC,
ACPXL07.2ESL	36	C7	275@1800	163	99	927@1400	188	88	EM, DI, TC,
ACPXL07.2ESL	37	C7	275@2100	147	104	977@1400	197	93	EM, DI, TC,
ACPXL07.2ESL	38	C7	196@1800	117	71	661@1400	141	66	EM, DI, TC,
ACPXL07.2ESL	39	C7	218@1800	133	81	715@1400	151	71	EM, DI, TC,
ACPXL07.2ESL	40	C7	250@2100	136	96	889@1400	181	85	EM, DI, TC,
ACPXL07.2ESL	41	C7	232@1800	144	87	715@1400	151	71	EM, DI, TC,
ACPXL07.2ESL	42	C7	205@2200	117	86	623@1650	136	75	EM, DI, TC,
ACPXL07.2ESL	43	C7	230@2200	128	95	682@1650	151	84	EM, DI, TC,
ACPXL07.2ESL	44	C7	275@2200	150	111	811@1650	173	96	EM, DI, TC,
ACPXL07.2ESL	45	C7	225@1800	142	86	758@1400	156	74	EM, DI, TC,
ACPXL07.2ESL	46	C7	230@2200	121	89	682@1650	145	81	EM, DI, TC,
ACPXL07.2ESL	47	C7	274@1800	166	100	927@1400	191	90	EM, DI, TC,
ACPXL07.2ESL	48	C7	260@1800	156	95	881@1400	183	86	EM, DI, TC,
ACPXL07.2ESL	49	C7	196@1800	117	71	661@1400	141	67	EM, DI, TC,
ACPXL07.2ESL	50	C7	275@1800	163	99	927@1400	188	88	EM, DI, TC,
ACPXL07.2ESL	51	C7	232@1800	142	86	715@1400	152	71	EM, DI, TC,
ACPXL07.2ESL	52	C7	250@1800	149	90	842@1400	171	81	EM, DI, TC,
ACPXL07.2ESL	53	C7	232@1800	142	86	715@1400	152	71	EM, DI, TC,
ACPXL07.2ESL	54	C7	188@2000	111	74	673@1000	138	47	EM, DI, TC,
ACPXL07.2ESL	55	C7	198@2000	115	78	712@1000	146	49	EM, DI, TC,
ACPXL07.2ESL	56	C7	202@2000	117	79	732@1000	150	50	EM, DI, TC,

ATTACHMENT 3 of 3

Engine Model Summary Template

U-R-001-0377
12/23/10

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
ACPXL07.2ESL	57	C7	208@2000	120	81	752@1000	155	52	EM, DI, TC,
ACPXL07.2ESL	58	C7	213@2000	122	82	772@1000	162	55	EM, DI, TC,
ACPXL07.2ESL	59	C7	223@2000	127	86	811@1000	167	56	EM, DI, TC,
ACPXL07.2ESL	60	C7	250@1800	148	90	842@1400	171	81	EM, DI, TC,
ACPXL07.2ESL	61	C7	197@1800	120	73	690@1400	146	69	EM, DI, TC,
ACPXL07.2ESL	62	C7	225@2200	116	86	758@1400	156	74	EM, DI, TC,

Marsh Landing Generating Station (08-AFC-3C)
Biological Resources Report Subsections 2.04/2.06
August 2011

September 2, 2011

Christine Stora
Compliance Project Manager
California Energy Commission
1516 Ninth Street, MS-2000
Sacramento, CA 95814-5512

RE: Marsh Landing Generating Station (08-AFC-3C)
August 2011 Monthly Monitoring Summary Report, Biological Resources

Dear Ms. Stora:

In accordance with BIO-2, BIO-5 and BIO-6 of the California Energy Commission's (CECs) Conditions of Certification (COCs), this report summarizes the surveys and monitoring of biological resources during August 2011 for the Marsh Landing Generating Station (MLGS). This document presents the results of monitoring, describes activities conducted, and identifies compliance issues found in accordance with the COCs for biological resources and Section 9.3 of the Biological Resources Mitigation, Implementation, and Monitoring Plan (BRMIMP) for the MLGS.

Project Description

The MLGS site is located in unincorporated Contra Costa County, California, approximately one-tenth of a mile from the current City of Antioch limits and just west of State Route (SR) 160. Surrounding land uses include the existing Contra Costa Power Plant (CCPP) to the north, east and south, the Pacific Gas and Electric (PG&E) electrical switchyard to the south, the PG&E Gateway Generating Station to the east, a large vacant lot that was previously used for industrial (paper making) purposes to the west, and the San Joaquin River to the north.

The MLGS site will occupy approximately 27 acres on the western portion of the CCPP site formerly occupied by five #6 fuel oil tanks and an area to the east of the former tank farm. The proposed MLGS site, construction laydown areas, and project linear routes are mostly contained within the existing CCPP property and are highly disturbed or developed due to ongoing CCPP operations, recently completed demolition of fuel oil tanks on the site, and construction of the Gateway Generating Station. The project includes a new wastewater pipeline to convey, process, and sanitize wastewater for the City of Antioch's sewer main on Wilbur Avenue.

The majority of the MLGS site is composed of paved, graveled, or bare ground surfaces with very sparse ruderal and ornamental vegetation. Herbaceous cover, when present, is limited to weedy annuals including willow herb (*Epilobium brachycarpum*), prickly lettuce (*Lactuca serriola*), black mustard (*Brassica nigra*), burclover (*Medicago polymorpha*), and short-pod mustard (*Hirschfeldia incana*). A fencerow of Tasmanian bluegum (*Eucalyptus globulus*) occurs along the western perimeter of the MLGS site. Because the MLGS site has been primarily devoid of vegetation for the last 59 years while used as a fuel oil tank farm, and was the site of demolition over the several months prior to MLGS mobilization and construction, wildlife use of the site is limited.

Biological Resources Monitoring

Condition of Certification BIO-2 requires that the Designated Biologist "supervise, conduct and coordinate mitigation, monitoring and other biological resources compliance efforts, particularly in areas requiring avoidance or containing sensitive biological resources, such as special status species or their habitat." As such, daily monitoring of this site began at the initiation of site mobilization and demolition activities on February 14, 2011, and has continued on each subsequent active work day. As of August 1, URS, in coordination with GenOn and the CEC Biologist and Compliance Project Manager, reduced the biological monitoring effort to twice per week. This level of effort was considered sufficient due to the absence of active bird nests or other biological concerns that would normally require daily presence of a biologist. Biological monitoring occurred on August 2, 3, 8, 11, 16, 18, 23, 25, and 30, 2011; a biological monitor was on site on each of these days.

Approved biological monitors, under the supervision of the Designated Biologist, arrive on site to check-in with the MLGS Site Manager and attend the Kiewit daily safety/toolbox briefing. Monitors then proceed with their daily monitoring inspection, documented in the Daily Monitoring Log. A typical monitoring inspection consists of a walk around the project site to record observations of ongoing activities and inspect active work areas for wildlife presence and indirect (i.e. noise-, dust-related) disturbance. During the monitoring inspection, monitors record all species observed within and adjacent to the project site on the Daily Monitoring Log (see Attachment A for complete Daily Monitoring Logs and Attachment B for a complete list of species observed during biological resources monitoring).

Monitors perform inspections to ensure proper maintenance and continued implementation of the mitigation measures listed below. This includes an inspection of all ESA fencing and silt fencing. Monitors also briefly survey the entire site, including inactive work zones, for nesting bird activity, stabilization of disturbed slopes where erosion may occur, proper management of potential wildlife pitfalls, and proper waste disposal. Should further mitigation measures be implemented in the future, monitors will conduct inspections to ensure they are well-kept in accordance with the COCs.

In the event that the Designated Biologist determines that the current level of monitoring is not appropriate in certain locations, the CEC Compliance Project Manager shall be notified detailing the justification for the change in the level of monitoring. This request will be reviewed and must be approved by the CPM prior to any change in monitoring level.

Biological Resources Monitoring Observations: August 2011

No cliff swallow nesting activity was detected on site during August. Swallow activity in the culverts had tapered off to a few pairs by the end of July. Multiple visual inspections of the nests in late July failed to detect any active swallow nests (URS 2011a). As of July 29, monitors were unable to detect any swallows flying into or out of the culverts. Subsequent site inspections in August confirmed the absence of cliff swallows from both the culverts and rim of Tank 6. A single non-native house sparrow was observed roosting in an abandoned cliff swallow nest along the rim of Tank 6. Throughout the MLGS project area a few cliff swallows have been observed foraging, but with greatly reduced numbers compared to the peak of nesting season in May and June. On August 25, Kiewit removed the temporary ESA fencing panels from the west edge of

the 3 culverts. These panels were initially installed to create a 25 foot buffer between work activities and the formerly active cliff swallow and black phoebe nests. The fencing was removed because the swallow nests are no longer active, and because Kiewit is demobilizing from this area.

Installation of an off-site water and sewer line continued throughout August. Work on the section of line west of the culverts and underneath the west access road is complete, and the trench has been back-filled in these areas. Two western toads (most likely juveniles dispersing from the detention basin) were detected and photographed by construction personnel in a section of the trench on Tuesday, August 9. Construction personnel removed the frogs, returned them to the detention basin, and contacted the URS biologist, who was not on-site that day. Subsequent to these observations, and in anticipation of backfilling the trench, URS biologists coordinated with GenOn and Kiewit to inspect the trench for amphibians regularly, and at a minimum prior to any backfilling. The URS biologist inspected the trench on August 11 and did not observe any toads. On August 16, the URS biologist inspected the trench and detected one Pacific-tree frog, which was relocated to the detention basin. Backfilling of the trench was initiated the following day, after an inspection of the trench by construction personnel, during which no frogs, toads, or other wildlife was detected. On August 18 the URS biologist inspected the trench again and did not detect any wildlife. URS biologists and/or construction personnel continued to inspect the trench for entrapped wildlife prior to backfilling each day but no additional wildlife was found in the trench.

During the month of August, the two pile drivers dedicated to the project were used on a regular basis. Birds were not detected attempting to build nests or roost on the pile drivers during August.

The federally listed endangered Antioch dunes evening primrose (*Oenothera deltoides* ssp. *howellii*) (primrose) first described in the May 2011 monthly report (URS 2011b) growing on the property immediately west of the MLGS site remains undetected in the project area. The single primrose plant detected on July 27, outside the project area, west of Tank 6 (described initially in the July 2011 monthly report [URS 2011a]) remains protected behind ESA and silt fencing.

No other potential conflicts between the MLGS project and sensitive biological resources (within or outside of the project boundaries) were observed.

<u>Construction Activities</u>

During the month of August, MLGS site activities included:

- Potholing for underground utilities
- Installation of silt fence and straw wattles
- Trenching and back-filling in pipeline ROW
- Excavation and redistribution of soil
- Scraper and blade operation for project grading
- Removal/replacement of chain-link fence
- Developing trailer/staging area facilities
- Demobilizing equipment/materials from area near Tank 6
- Smoothing of ruts and localized depressions in construction area

- Compaction of graded soils
- Building wooden concrete forms and installing rebar
- Pile driving in energy block
- Pouring concrete

Implementation of Mitigation Measures

For the month of August 2011, several mitigation measures were implemented in accordance with COCs BIO-4, BIO-6 and the general Best Management Practices (BMPs) outlined in the BRMIMP Section 8.1. Specifically:

- Environmentally Sensitive Area (ESA) fencing was maintained to demarcate construction exclusion zones around the drainage areas west of Tank 6, the oak tree west of the berm between former Tanks 3 and 5 (COC BIO-6-1), the oak tree in the greenbelt near the well-pad construction site, and along the western openings of the detention basin culverts. Because the staging area between the PG&E switchyard and the detention basin is not in use and is isolated from the project area by chain-link fencing, ESA fencing is not required around the detention basin.
- Silt fencing was installed and maintained around staging and construction areas (Storm Water Pollution Prevention Plan measures; BRMIMP section 8.1.1)
- Potential wildlife pitfalls (trenches, bores, other excavations) were backfilled, sloped at a 3:1 ratio or covered completely at the end of each workday to avoid trapping wildlife (COC BIO-6-5)
- Worker guidelines were enforced to ensure all trash and food-waste was contained and removed daily from the site (COC BIO-6-8)
- Dust control measures were implemented on all unvegetated surfaces and in demolition areas (BRMIMP section 8.1.1)
- A vehicle speed limit of 15 miles per hour was enforced on all nonpublic roads (BRMIMP section 8.1.1)

Conditions of Certification Compliance

No significant instances of non-compliance with the Conditions of Certification or applicable laws, ordinances, and regulations were recorded.

Summary

Daily monitoring activities have not revealed any significant issues with management of biological resources. Observations of wildlife indicate the majority of activity occurs outside of the active construction zones and no impacts to wildlife have been observed or are anticipated. Monitors will continue to survey in the same manner as has been practiced to date unless otherwise specified by the Designated Biologist and approved by the Compliance Project Manager.

References

URS (URS Corporation). 2011a. Marsh Landing Generating Station (08-AFC-3C): July 2011 Monthly Monitoring Summary Report, Biological Resources. August 4.

URS (URS Corporation). 2011b. Marsh Landing Generating Station (08-AFC-3C): May 2011 Monthly Monitoring Summary Report, Biological Resources. June 2.

Sincerely,

Jonathan Stead
Designated Biologist, MLGS
URS Corporation

Attachments

cc: David Frandsen, GenOn
Nick Hontucan, GenOn
Anne Connell, URS

Attachment A

Daily Biological Resources Monitoring Logs
August 2011
Marsh Landing Generating Station

Biological Monitoring Log

Marsh Landing Generating Station	Date: Aug-2-2011
Monitor: Derek Jansen	Time: 1300-1530
Weather: Sun, 89F, W @ 17mph	

Photo Numbers: N/A

Activity that requires monitor's presence: Excavation, trenching, and site clean up.

Description of Construction Activities Observed:
-Kiewit continued excavation for the new facility.
-Kiewit began compacting sand around the new concrete pads.
-West gate utility installation west of the access road.

Compliance Observations and Issues: N/A

ESA Fencing: Up and in good condition.

Wildlife Pitfalls/Traps/Pipes: N/A

Nesting Birds: All cliff swallows have fledged from Tank 6 and the box culverts. Only a English house sparrow (non-native) remains that is using a cliff swallow nest.

Coordination with Construction Personnel: N/A

Other Compliance Issues: N/A

Wildlife list:

Osprey, gull, snowy egret, great blue heron, red-shouldered hawk, bush-tit, house finch, cliff swallow, black phoebe, marsh wren, double-crested cormorant, barn swallow, mourning dove, American crow, Eurasian collared-dove, common tern, great egret, American kestrel, northern mockingbird, scrub jay, white pelican, house sparrow and red-winged blackbird.

Daily Monitoring Checklist **Date** Aug-2-2011
(Check if in compliance)

√ ESA fencing or a physical barrier is separating sensitive resources from active work areas and is in good condition.

√ All trenches left open overnight have an escape ramp or are completely covered

√ No new bird nesting activity observed/known nests buffered appropriately

√ Straw wattles and/or silt fence are in place and in good condition

√ Any areas of disturbed soil with slopes off the site are stabalized to reduce erosion potential during and after construction

√ Speed limit signs and messages are in place and accurate

√ Equipment storage and parking is limited to the project site and/or designated staging areas

√ Deliberate feeding of wildlife is not occurring

√ Food-related trash is being disposed of in closed containers and removed weekly

√ No firearms are present on site (except security personnel)

√ No pets are present on site

Notes:
-Nesting bird activity has slowed. The remaining nests have fledged and do not show any activity of double clutching.
-There is an Antioch dunes evening primrose outside of the Kiewit construction area. The plant is located northwest of fuel tank #6. LAT/LONG: 38d00’54.43”N; 121d46’00.33”W Elevation 13-feet

Biological Monitoring Log

Marsh Landing Generating Station	Date: 8/3/2011
Monitor: Ode Bernstein	Time: 0700-0900
Weather: Clear, warm, light wind	

Photo Numbers: no photos

Activity that requires monitor's presence:

- Construction near sensitive resources

Description of Construction Activities Observed:

- Stockpile management in energy block
- Backfilling trench by Tank 6
- Light carpentry

Compliance Observations and Issues:

ESA Fencing: OK

Wildlife Pitfalls/Traps/Pipes: OK

Nesting Birds: OK—no new nests

Coordination with Construction Personnel: attended toolbox meeting with Kiewit

Other Compliance Issues: No compliance issues

Wildlife Species List for Day:

house sparrow
great egret
Caspian tern
black phoebe
marsh wren
Stellar's jay
killdeer
kestrel
scrub jay
mourning dove
Eurasian collared dove
crow
bushtit

Daily Monitoring Checklist **Date :** 8/3/2011
(Check if in compliance)

- ☒ ESA fencing or a physical barrier is separating sensitive resources from active work areas and is in good condition.
- ☒ All trenches left open overnight have an escape ramp or are completely covered
- ☒ No new bird nesting activity observed/known nests buffered appropriately
- ☒ Straw wattles and/or silt fence are in place and in good condition
- ☒ Any areas of disturbed soil with slopes off the site are stabalized to reduce erosion potential during and after construction
- ☒ Speed limit signs and messages are in place and accurate
- ☒ Equipment storage and parking is limited to the project site and/or designated staging areas
- ☒ Deliberate feeding of wildlife is not occurring
- ☒ Food-related trash is being disposed of in closed containers and removed weekly
- ☒ No firearms are present on site (except security personnel)
- ☒ No pets are present on site

Notes:

1) Informed by Mike Kasten that a black dog has been observed in the detention basin. County animal control was contacted but was unable to catch the dog. Mike told me that the security guard was going to attempt to catch the dog using a live trap. I informed Mike and the security guard that the trap should be observed continuously during the day, and should not be left open overnight.
2) A house sparrow is roosting/potentially nesting in an old cliff swallow nest on Tank 6. This species is not covered under the MBTA.

Biological Monitoring Log

Marsh Landing Generating Station	Date: 8/8/11
Monitor: Joe Bandel	Time: 7am - 9am
Weather: Sunny, clear, breezy	

Photo Numbers:

Activity that requires monitor's presence:

Description of Construction Activities Observed:

- construction of tanks at NW corner of project area
- repair chain link fence along west access road
- Setup pile driving equipment to start pile driving
- minor grading area

Compliance Observations and Issues:

ESA Fencing: In place + in good condition. Fence along southwest border near oil tank was repaired some time ago + looked good.

Wildlife Pitfalls/Traps/Pipes: Traps covered or have ramps.

Nesting Birds: No nests found

Coordination with Construction Personnel: None

Other Compliance Issues: None

Wildlife Species List for Day:

western scrub jay - seen in Eucalyptus trees along west side
house finch - seen along fence at NW corner of project area
Great blue heron - seen in marsh north of project area
red-tailed hawk - seen flying over detention basin
cliff swallow - seen flying over west side of project area
ground squirrel - seen along ground west of project area

URS
1333 Broadway, Suite 800
Oakland, CA 94612

Daily Monitoring Checklist **Date** 8/8/11
(Check if in compliance)

- ☑ ESA fencing or a physical barrier is separating sensitive resources from active work areas and is in good condition.
- ☑ All trenches left open overnight have an escape ramp or are completely covered
- ☑ No new bird nesting activity observed/known nests buffered appropriately
- ☑ Straw wattles and/or silt fence are in place and in good condition
- ☑ Any areas of disturbed soil with slopes off the site are stabalized to reduce erosion potential during and after construction
- ☑ Speed limit signs and messages are in place and accurate
- ☑ Equipment storage and parking is limited to the project site and/or designated staging areas
- ☑ Deliberate feeding of wildlife is not occurring
- ☑ Food-related trash is being disposed of in closed containers and removed weekly
- ☑ No firearms are present on site (except security personnel)
- ☑ No pets are present on site

Notes:

URS
1333 Broadway, Suite 800
Oakland, CA 94612

Biological Monitoring Log

Marsh Landing Generating Station	Date: 8/18/11
Monitor: Joe Bandel	Time: 7am - 10am
Weather: Sunny, clear, calm	

Photo Numbers:

Activity that requires monitor's presence:

Description of Construction Activities Observed:

- Pile driving in center of construction area.
- Construction of tanks at NW corner of project area
- Utility work
- backfilling trench of waterline at north end of waterline

Compliance Observations and Issues:

ESA Fencing: In place + in good condition

Wildlife Pitfalls/Traps/Pipes: All trenches + pits had ramps

Nesting Birds: No new nesting birds

Coordination with Construction Personnel: Talked with construction personnel at site of pipeline work and asked if they had seen frogs or any other wildlife in the trenches. They said they had not seen any wildlife in the trench however they had not worked at that location since last week.

Other Compliance Issues:

Wildlife Species List for Day:

black-tailed jackrabbit - seen near ESA fencing near oil tank
American Crow - Seen flying over project area
house finch - seen in trees near west access road

URS
1333 Broadway, Suite 800
Oakland, CA 94612

Daily Monitoring Checklist **Date** 8/10/11
(Check if in compliance)

- ☑ ESA fencing or a physical barrier is separating sensitive resources from active work areas and is in good condition.
- ☑ All trenches left open overnight have an escape ramp or are completely covered
- ☑ No new bird nesting activity observed/known nests buffered appropriately
- ☑ Straw wattles and/or silt fence are in place and in good condition
- ☑ Any areas of disturbed soil with slopes off the site are stabalized to reduce erosion potential during and after construction
- ☑ Speed limit signs and messages are in place and accurate
- ☑ Equipment storage and parking is limited to the project site and/or designated staging areas
- ☑ Deliberate feeding of wildlife is not occurring
- ☑ Food-related trash is being disposed of in closed containers and removed weekly
- ☑ No firearms are present on site (except security personnel)
- ☑ No pets are present on site

Notes: I inspected the trench where frogs were found on Tuesday. I did not find a single frog in the trench. I suspect that the frogs are tree frogs from their small size in the photograph, the fact that I have seen many tree frogs at the site on nomerous other occasions, and the fact that the frogs had to be small to fit into the crevices. I am advising the contractors to inspect the trench for frogs prior to backfilling and if frogs are present, move the frogs to a safe location prior to backfilling.

Biological Monitoring Log

Marsh Landing Generating Station	Date: 8/16/11
Monitor: Joe Bandel	Time: 7am - 9:15am
Weather: Sunny, clear, ~~breezy~~	

Photo Numbers:

Activity that requires monitor's presence:

Description of Construction Activities Observed:

- Pile driving → 2 pile drivers at a time
- work on tanks at NW corner of project
- work on water pipeline at north end of pipeline east of west access road
- cleanup - abatement of pipes near parking lot

Compliance Observations and Issues:

ESA Fencing: In place + in good condition

Wildlife Pitfalls/Traps/Pipes: Trenches had ramps for wildlife + traps were covered.

Nesting Birds: No nests found

Coordination with Construction Personnel: Talked to Raja about the timing of backfilling the waterline trench west of the west access road. He said backfilling could begin anytime between wed. + Friday. I said that Thursday would be preferred because I would be present to check the trench for wildlife.

Other Compliance Issues:

Wildlife Species List for Day:

Pacific tree frog - One frog seen in trench west of west access road + east of oil tank in crevices in side of trench.
Great egret - seen in marsh north of project area
Cliff swallow - seen flying in area north of project area

URS
1333 Broadway, Suite 800
Oakland, CA 94612

Daily Monitoring Checklist **Date** 8/16/11
(Check if in compliance)

- ☑ ESA fencing or a physical barrier is separating sensitive resources from active work areas and is in good condition.
- ☑ All trenches left open overnight have an escape ramp or are completely covered
- ☑ No new bird nesting activity observed/known nests buffered appropriately
- ☑ Straw wattles and/or silt fence are in place and in good condition
- ☑ Any areas of disturbed soil with slopes off the site are stabalized to reduce erosion potential during and after construction
- ☑ Speed limit signs and messages are in place and accurate
- ☑ Equipment storage and parking is limited to the project site and/or designated staging areas
- ☑ Deliberate feeding of wildlife is not occurring
- ☑ Food-related trash is being disposed of in closed containers and removed weekly
- ☑ No firearms are present on site (except security personnel)
- ☑ No pets are present on site

Notes: Found one pacific tree frog inside of trench on west side of west access road. I moved the frog to a safe, suitable location in the detention basin. The whole trench was searched for frogs, toad or any other wildlife, + no others other than the 1 frog was found.

Biological Monitoring Log

Marsh Landing Generating Station	Date: 8/18/11
Monitor: Joe Bandel	Time: 7am – 9am
Weather: Sunny, clear, breezy	

Photo Numbers: no photos

Activity that requires monitor's presence:
Construction near sensitive resources

Description of Construction Activities Observed:
- Pile Driving
- Backfilling water line trench west of west access road
- Excavating water line trench at north end of west access road
- Transportation of piling materials on site

Compliance Observations and Issues:

ESA Fencing: In place + in good condition

Wildlife Pitfalls/Traps/Pipes: All trenches have escape ramps and pitfalls are covered

Nesting Birds: No new nests found

Coordination with Construction Personnel: Talked with construction workers about backfilling work for waterline trench west of west access road. They informed me that they began backfilling the trench yesterday. Prior to backfilling they inspected the trench for wildlife including frogs and did not find any wildlife. Proceeded to backfill a portion of the trench mostly on the south side near the gate. They plan to continue backfilling today

Other Compliance Issues:

Wildlife Species List for Day:
Coyote – seen in field west of project area
western scrub jay – seen along fence at northern end of project area
cliff swallow – seen along north side of project area
Great Egret – seen in marsh north of project area
eurasian collared dove – seen in Eucalyptus trees along west side of project area
red-tailed hawk – seen perched on top of powerline tower over detention basin

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Oakland, CA 94612

Daily Monitoring Checklist **Date** 8/18/11
(Check if in compliance)

- ☑ ESA fencing or a physical barrier is separating sensitive resources from active work areas and is in good condition.
- ☑ All trenches left open overnight have an escape ramp or are completely covered
- ☑ No new bird nesting activity observed/known nests buffered appropriately
- ☑ Straw wattles and/or silt fence are in place and in good condition
- ☑ Any areas of disturbed soil with slopes off the site are stabalized to reduce erosion potential during and after construction
- ☑ Speed limit signs and messages are in place and accurate
- ☑ Equipment storage and parking is limited to the project site and/or designated staging areas
- ☑ Deliberate feeding of wildlife is not occurring
- ☑ Food-related trash is being disposed of in closed containers and removed weekly
- ☑ No firearms are present on site (except security personnel)
- ☑ No pets are present on site

Notes: I inspected the trench for the waterline west of the west access road prior to backfilling work beginning. No frogs, toads or other wildlife was found in the trench.

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Biological Monitoring Log

Marsh Landing Generating Station	Date: 8/23/2011
Monitor: ODE BERNSTEIN	Time: 0700 - 0830
Weather: SUNNY, low wind, ↑ 60s	

Photo Numbers:

Activity that requires monitor's presence:
CONSTRUCTION NEAR SENS. RESOURCES, NESTING BIRD SEASON

Description of Construction Activities Observed:
PILEDRIVING
EXCAVATION
MATERIAL STAGING

Compliance Observations and Issues:

ESA Fencing: OK

Wildlife Pitfalls/Traps/Pipes: OK

Nesting Birds: OK - NONE OBSERVED

Coordination with Construction Personnel: OK

Other Compliance Issues: NONE

PROJECT IS IN COMPLIANCE

Wildlife Species List for Day:

BUSHTIT
BARN SWALLOW *
STARLING *
HOUSE FINCH *
MARSH WREN
SCRUB JAY *
CASPIAN TERN
UNK. RAPTOR
COWBIRD / GRACKLE
GREAT BLUE HERON
CROW *
GROUND SQUIRREL *
BLACK PHOEBE
DOVE UNK.
MOCKINGBIRD

* = IN PROJECT AREA

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Daily Monitoring Checklist **Date** 8/23/11
(Check if in compliance)

- ☑ ESA fencing or a physical barrier is separating sensitive resources from active work areas and is in good condition.
- ☑ All trenches left open overnight have an escape ramp or are completely covered
- ☑ No new bird nesting activity observed/known nests buffered appropriately
- ☑ Straw wattles and/or silt fence are in place and in good condition
- ☑ Any areas of disturbed soil with slopes off the site are stabalized to reduce erosion potential during and after construction
- ☑ Speed limit signs and messages are in place and accurate
- ☑ Equipment storage and parking is limited to the project site and/or designated staging areas
- ☑ Deliberate feeding of wildlife is not occurring
- ☑ Food-related trash is being disposed of in closed containers and removed weekly
- ☑ No firearms are present on site (except security personnel)
- ☑ No pets are present on site

Notes:

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Biological Monitoring Log

Marsh Landing Generating Station	Date: 8/25/2011
Monitor: Ode Bernstein	Time: 0700-0930
Weather: Clear, moderate wind, mid 60s	

Photo Numbers: no photos

Activity that requires monitor's presence:

- Construction near sensitive resources

Description of Construction Activities Observed:

- Pile driving
- Staging materials
- Excavation by switchyard

Compliance Observations and Issues:

ESA Fencing: OK, see notes

Wildlife Pitfalls/Traps/Pipes: OK

Nesting Birds: OK, no new nests

Coordination with Construction Personnel: attended Kiewit toolbox meeting

Other Compliance Issues: OK

Wildlife Species List for Day:

Raven, gull, kestrel, scrub jay, barn swallow, mockingbird, fence lizard, killdeer, collared dove, Cal. ground squirrel

Daily Monitoring Checklist **Date:** 8/25/2011
(Check if in compliance)

- ☒ ESA fencing or a physical barrier is separating sensitive resources from active work areas and is in good condition.
- ☒ All trenches left open overnight have an escape ramp or are completely covered
- ☒ No new bird nesting activity observed/known nests buffered appropriately
- ☒ Straw wattles and/or silt fence are in place and in good condition
- ☒ Any areas of disturbed soil with slopes off the site are stabalized to reduce erosion potential during and after construction
- ☒ Speed limit signs and messages are in place and accurate
- ☒ Equipment storage and parking is limited to the project site and/or designated staging areas
- ☒ Deliberate feeding of wildlife is not occurring
- ☒ Food-related trash is being disposed of in closed containers and removed weekly
- ☒ No firearms are present on site (except security personnel)
- ☒ No pets are present on site

1) ESA fencing on west side of culvert openings was being removed in the morning. I asked Kiewit why they were removing this ESA fence, and they told me that they were removing the ESA fence along the culverts because they are removing materials from the area as they are nearly done working in the area near Tank 6. They do not intend to remove ESA fence from any other part of the project area. I requested that if any other ESA fence is going to be removed, that they first consult with the Designated Biologist. There is no nesting activity underneath the culverts, so removal of the ESA fence will not impact any nesting birds.

Notes:
2) Inspected the open trench next to the switchyard for entrapped amphibians or reptiles but none were detected.

Biological Monitoring Log

Marsh Landing Generating Station	Date: 8·30·2011
Monitor: Connor Dibble	Time: 0700 -0830
Weather: clear, light wind, 65° F	

Photo Numbers:

Activity that requires monitor's presence: Earth moving/construction in tank basin

Description of Construction Activities Observed:
Pile driving; various activities on W. Gate Rd trench and throughout the tank basin.

Compliance Observations and Issues: none

ESA Fencing: ok,

Wildlife Pitfalls/Traps/Pipes: ok.

Nesting Birds: none

Coordination with Construction Personnel: toolbox meeting

Other Compliance Issues: none.

Wildlife Species List for Day:
Great egret
Finch
WC sparrow
mourning dove
Am. crow
dark-eyed junco
black phoebe

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Daily Monitoring Checklist **Date** 8-30-2011

(Check if in compliance)

- ☑ ESA fencing or a physical barrier is separating sensitive resources from active work areas and is in good condition.
- ☑ All trenches left open overnight have an escape ramp or are completely covered
- ☑ No new bird nesting activity observed/known nests buffered appropriately
- ☑ Straw wattles and/or silt fence are in place and in good condition
- ☑ Any areas of disturbed soil with slopes off the site are stabalized to reduce erosion potential during and after construction
- ☑ Speed limit signs and messages are in place and accurate
- ☑ Equipment storage and parking is limited to the project site and/or designated staging areas
- ☑ Deliberate feeding of wildlife is not occurring
- ☑ Food-related trash is being disposed of in closed containers and removed weekly
- ☑ No firearms are present on site (except security personnel)
- ☑ No pets are present on site

Notes: Walked perimeter and observed const. activities and birds. It did not appear that construction was disturbing, though pile-driving is very loud. Wildlife activity is primarily along SJR front.

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Oakland, CA 94612

Attachment B

Complete Observed Wildlife Species List
Biological Resources Monitoring
August 2011
Marsh Landing Generating Station

Scientific Name	Common Name	Conservation Status[1]	Origin	Notes[2]
Agelaius phoeniceus	red-winged blackbird	n/a	Native	detention basin
Aphelocoma californica	western scrub jay	n/a	Native	transient in project site
Ardea alba	great egret	n/a	Native	observed in salt marsh north of project site
Egretta thula	snowy egret	n/a	Native	observed in salt marsh north of project site
Psaltriparus minimus	bushtit	n/a	Native	transient in project site
Sterna caspia	Caspian tern	n/a	Native	observed in salt marsh north of project site
Ardea herodias	great blue heron	n/a	Native	observed in salt marsh north of project site
Buteo jamaicensis	red-tailed hawk	n/a	Native	transient in project site
Cyanocitta stellari	Stellar's jay	n/a	Native	transient in project site
Canis latrans	coyote	n/a	Native	adjacent property west of project
Corvus corax	common raven	n/a	Native	transient in project site
Buteo lineatus	red-shouldered hawk	n/a	Native	flyover (no activity in project site)
Carpodacus mexicanus	house finch	n/a	Native	transient in project site
Charadrius vociferus	killdeer	n/a	Native	west of detention basin
Cistothorus palustris	marsh wren	n/a	Native	observed in marsh north of project site
Corvus brachyrhynchos	American crow	n/a	Native	transient in project site
Falco sparverius	American kestrel	n/a	Native	transient in project site
Larus sp.	gull	n/a	Native	flyover (no activity in project site)
Lepus californicus	black-tailed jackrabbit	n/a	Native	west drainage basin
Mimus polyglottos	northern mockingbird	n/a	Native	western access road
Molothrus ater	brown-headed cowbird	n/a	Native	flyover (no activity in project site)
Pandion haliaetus	osprey	DFG: WL	Native	flyover (no activity in project site)
Passer domesticus	house sparrow	n/a	Non-Native	roosting in former cliff swallow nest on fuel tank
Pelecanus erythrorhynchos	American white pelican	DFG: SSC	Native	flyover (no activity in project site)

Petrochelidon pyrrhonota	cliff swallow	n/a	Native	transient in project site
Phalacrocorax auritus	double-crested cormorant	DFG: WL	Native	flyover (no activity in project site)
Pseudacris regilla	Pacific chorus frog	n/a	Native	detention basin, water line trench
Sayomis nigricans	black phoebe	n/a	Native	throughout project area
Sceloporus sp.	fence lizard	n/a	Native	throughout project area
Spermophilis beecheyi	California ground squirrel	n/a	Native	detention basin uplands
Streptopelia decaocto	Eurasian collared-dove	n/a	Non-native	throughout project area
Sturnus vulgaris	European starling	n/a	Non-native	transient in project site
Zenaida macroura	mourning dove	n/a	Native	throughout project area

[1] **Conservation Status Definitions**: DFG (California Department of Fish and Game): WL (Watch List), FP (Fully Protected), SSC (Species of Special Concern), T (Threatened)

[2] **Note**: Wildlife activity was observed *outside* the project site unless otherwise noted

Subsection 2.05(BIO-4)

As of 8-31-2011

Worker Environmental Awareness Program Matrix

Date	**Numbers**
8/31/2011	5
Total	**5**

Marsh Landing Generating Station

WORKER ENVIRONMENTAL AWARENESS PROGRAM
WORKER TRAINING ATTENDANCE RECORD

Trainer:	Raja Ponnaka
Date:	8/30/2011
Training:	WEAP

(for office use only)

205BIO-4

I have attended the Marsh Landing Generating Station Project **Worker Environmental Awareness Program Worker Training** and understand and agree to comply with all environmental requirements presented. I understand that I am accountable for my actions and that failure to comply with the requirements may be grounds for immediate removal from the project and/or legal action.

	SIGNATURE	PRINT NAME	COMPANY/AFFILIATION	Date
1.				
2.	Sean Crane	SEAN CRANE	CCS	8/30/11
3.	Ryan J. Blevens	Ryan Blevens	CCS	8/30/11
4.	[illegible]	Axel Anderlalm	CCS	8/30/11
5.	Jon Montoya	Jon Montoya	CCS	8/30/11
6.	Adrian Sanchez	Adrian Sanchez	CCS	8/30/11
7.	[illegible]	Nathaniel Pritzl	CCS	9/1/11
8.	Larry J. Singleton	Larry Singleton	CCS	9/1/11
9.	[illegible]	Maurice Ward Jr	FCI	9/6/11
10.	Bob Ford	Bob Ford	PKS	9-6-11
11.	Kevin Bartosek	Kevin W Bartosek	PKS	9-6-11
12.	Greg Gilman	Greg Gilman	PKS	9-6-11
13.	Craig Azevedo	Craig Azevedo	PKS	9-6-11
14.	Kathleen Kubal	Kathleen Kubal	URS	9/6/11
15.	[illegible]	JAMES GREG	KIENSER	9/7/11
16.	M Nicholas	Michael Nicholas	Foundation	9/8/11
17.	Stacy Ball	STACY BALL	URS	9-8-11
18.	Joliena Avalos	JOLIENA AVALOS	PKS	9/08/11
19.				
20.				

Subsection 2.09(CIVIL-3)

As of 8-31-2011

Non Conformance Report	See NCR Log Below	1

Kiewit

NON-CONFORMANCE LOG

PROJECT Marsh Landing Generating Station **JOB #** 14502

NCR No.	DATE INITIATED	DATE CLOSED	DESCRIPTION OF NCR	DISPOSITION = Repair, Rework, Use-As-Is, etc.
001	8/30/2011	8/31/2011	Bent re-bar at plie # IP-003	Use As Is

Subsection 2.11(CUL-5)

As of -8-31-2011

Worker Environmental Awareness Program Matrix

Date	**Numbers**
8/31/2011	5
Total	**5**

Marsh Landing Generating Station

WORKER ENVIRONMENTAL AWARENESS PROGRAM
WORKER TRAINING ATTENDANCE RECORD

Trainer:	Ray Pontius 211 CUL-5
Date:	8/30/2011
Training:	WEAP
	(for office use only)

I have attended the Marsh Landing Generating Station Project **Worker Environmental Awareness Program Worker Training** and understand and agree to comply with all environmental requirements presented. I understand that I am accountable for my actions and that failure to comply with the requirements may be grounds for immediate removal from the project and/or legal action.

	SIGNATURE	PRINT NAME	COMPANY/AFFILIATION	Date
1.				
2.	Sean Crane	SEAN CRANE	CCS	8/30/11
3.	Ryan J. Blevens	Ryan Blevens	CCS	8/30/11
4.	[illegible]	Axel Anderslam	CCS	8/30/11
5.	Jon Montoya	Jon Montoya	CCS	8/30/11
6.	Adrian Sanchez	Adrian Sanchez	CCS	8/30/11
7.	[illegible]	Nathaniel Pritzl	CCS	9/1/11
8.	Larry Singleton	Larry Singleton	CCS	9/1/11
9.	[illegible]	Maurice Ward Jr	FCI	9/6/11
10.	Bob Ford	Bob Ford	PKS	9-6-11
11.	Kevin Bartosek	Kevin W Bartosek	PKS	9-6-11
12.	Greg Gilman	Greg Gilman	PKS	9-6-11
13.	Craig Azevedo	Craig Azevedo	PKS	9-6-11
14.	Kathleen Kubal	Kathleen Kubal	URS	9/6/11
15.	[illegible]	JAMES GREG	KIENSER	9/7/11
16.	[illegible]	Michael Nicholas	Foundation	9/8/11
17.	[illegible]	STACY BALL	URS	9-8-11
18.	Joliena Avalos	JOLIENA AVALOS	PKS	9/08/11
19.				
20.				

Cultural Resources Report Subsection 2.12

Marsh Landing Generating Station (08-AFC-3C)

August 2011

September 8, 2011

Christine Stora
Compliance Project Manager
California Energy Commission
1516 Ninth Street, MS-2000
Sacramento, CA 95814-5512

RE: Marsh Landing Generating Station (08-AFC-3C) Monthly Monitoring Summary Report, Cultural Resources

Dear Ms. Stora:

In accordance with CUL-6 of the California Energy Commission's (CEC's) Conditions for Certification (COCs), this letter report summarizes the cultural resources monitoring activities which took place at the Marsh Landing Generating Station (MLGS) construction site in August 2011.

Project Description

The proposed MLGS site is located in unincorporated Contra Costa County, California, approximately one-tenth of a mile from the current City of Antioch limits and just west of State Route (SR) 160. Surrounding land uses include the existing Contra Costa Power Plant (CCPP) to the north, east and south, the Pacific Gas and Electric (PG&E) electrical switchyard to the south, the PG&E Gateway Generating Station to the east, a large vacant lot that was previously used for industrial (paper making) purposes to the west, and the San Joaquin River to the north.

The MLGS site will occupy approximately 27 acres on the western portion of the CCPP site formerly occupied by five #6 fuel oil tanks and an area to the east of the former tank farm. The proposed MLGS site, construction laydown areas, and project linear routes are mostly contained within the existing CCPP property and are highly disturbed or developed due to ongoing CCPP operations, recently completed demolition of five fuel oil tanks on the site, and construction of the Gateway Generating Station. The project includes a new wastewater pipeline to convey process and sanitary wastewater to the City of Antioch's sewer main on Wilbur Avenue. The majority of the MLGS site is composed of paved, graveled, or bare ground surfaces with very sparse ruderal and ornamental vegetation.

Cultural Resources Monitoring

In accordance with Condition of Certification CUL-6, to ensure that there are no impacts to undiscovered resources, the Cultural Resources Specialist (CRS) or Cultural Resources Monitors (CRMs) will monitor full-time all ground disturbing activities on the project site, at the laydown areas, along the linear facility routes, and at roads or other ancillary areas, for as long as the activities are ongoing.

Full- time archaeological monitoring requires at least one monitor per excavation area where earthmoving equipment is actively removing native soils. If an excavation area is too large for one monitor to effectively observe the soil removal, one or more additional monitors are retained to observe the area.

In the event that the CRS determines that the current level of monitoring is not appropriate in certain locations, the CEC's Compliance Project Manager (CPM) shall be notified by letter or e-mail detailing the justification for the change in the level of monitoring. This request will be reviewed and must be approved by the CPM prior to any change in monitoring level.

Cultural resources monitoring activities are the responsibility of the CRS. Any interference with monitoring activities, removal of a monitor from duties assigned by the CRS, or direction to a monitor to

relocate monitoring activities by anyone other than the CRS shall be considered non-compliance with the COCs.

Monitoring Activities

Cultural resources monitoring activities at the MLGS site for the month of August included monitoring utility potholing, trenching, and excavation for pile driving. Monitoring took place from August 1 through August 31, 2011. One CRM was on site during all ground disturbing activities. No ground disturbing activities took place on August 5, 2011, and no monitor was on site. No cultural materials over 50 years of age were discovered during monitoring.

In addition to monitoring ground disturbing activities, the CRM periodically surveyed all recently disturbed surface soils throughout the project site. No cultural materials, soil changes suggesting archaeological deposition, or other constituents such as charcoal or bone were observed. Activities and observations are summarized in Table 1 below, and Daily Monitoring Logs are attached to this letter report.

On July 22, 2011, a request to reduce monitoring to spot checks during pile driving only was submitted to the CPM and CEC cultural staff. CEC approval was received on August 22, 2011.

Table 1. Summary of Cultural Resources Monitoring Activities August 2011.

Date	Monitors	Activities/Observations	Discoveries
08.01.2011	Joe Fayer	Monitored trenching for underground utilities along east edge of Powerblock. Maximum depth of excavation 3 ft. below ground surface (bgs). Native soils observed below 2 ft. bgs, clean brown sands.	None
08.02.2011	Joe Fayer	Monitored trenching in Powerblock pad area. Depth of disturbance 3 ft. bgs within previously disturbed soils. Monitored potholing in location of future warehouse. Depth of excavation also 3 ft. bgs within previously disturbed soils.	None
08.03.2011	Joe Fayer	Monitored potholing within footprint of future warehouse pad. Maximum depth of excavation 4 ft. bgs. All soils previously disturbed and redeposited.	None
08.04.2011	Ben Elliott	Monitored excavations in SE corner of parking area and new plant footprint. Maximum depth of disturbance 4 ft. bgs. All soils appear to be redeposited native light brown sands.	None

Date	Monitors	Activities/Observations	Discoveries
08.08.2011	Joe Fayer	Monitored pile driving within the Powerblock to a depth of 30-40 ft. bgs. Presumed native soils below 10 ft.	None
08.09.2011	Joe Fayer	Monitored pile driving within the Powerblock to a depth of 30-40 ft. bgs. Presumed native soils below 10 ft.	None
08.10.2011	Joe Fayer	Monitored pile driving within the Powerblock to a depth of 30-40 ft. bgs. Presumed native soils below 10 ft. Also monitored excavation of joint trench along western access road to a depth of 8 ft. bgs.	None
08.11.2011	Joe Fayer	Monitored pile driving within the Powerblock to a depth of 30-40 ft. bgs. Presumed native soils below 10 ft. Also monitored excavation of joint trench along western access road to a depth of 8 ft. bgs. Soils below 3 ft. assumed to be native; clean homogenous light brown sands.	None
08.12.2011	Joe Fayer	Monitored pile driving within the Powerblock to a depth of 30-40 ft. bgs. Presumed native soils below 10 ft. Also monitored excavation of joint trench along western access road to a depth of approx. 5 ft. bgs. Soils below 3 ft. assumed to be native; clean homogenous light brown sands.	None
08.15.2011	Joe Fayer	Monitored pile driving within the Powerblock to a depth of 30-50 ft. bgs. Presumed native soils below 10 ft. Also monitored excavation of joint trench along western access road to a depth of approx. 5 ft. bgs. Numerous existing utilities encountered. Soils appear previously disturbed.	None

Date	Monitors	Activities/Observations	Discoveries
08.16.2011	Joe Fayer	Monitored pile driving within the Powerblock to a depth of 30-40 ft. bgs. Presumed native soils below 10 ft. Also monitored excavation of joint trench along western access road to a depth of approx. 5 ft. bgs. Many existing utilities present to a depth of 3 ft. bgs. Soils below 3 ft. assumed to be native; clean homogenous light brown sands.	None
08.17.2011	Joe Fayer	Monitored pile driving within the Powerblock to a depth of 30-40 ft. bgs. Presumed native soils below 10 ft. Also monitored installation of support structures for existing utilities within joint trench along western access road. Excavation minimal; maximum depth 3 ft. bgs within previously disturbed soils.	None
08.18.2011	Joe Fayer	Monitored pile driving within the Powerblock to a depth of 30-40 ft. bgs. Presumed native soils below 10 ft. Also monitored excavation of joint trench along western access road. Excavation minimal due to the high number of existing utilities encountered.	None
08.19.2011	Joe Fayer	Monitored pile driving within the Powerblock to a depth of 30-40 ft. bgs. Presumed native soils below 10 ft. Also monitored installation of support structures for existing utilities within joint trench. Excavation minimal within previously disturbed soils.	None
08.22.2011	Joe Fayer	Continued pile driving in the Powerblock is being spot checked. Also monitored excavation of duct bank within Powerblock, to a depth of 8 ft. bgs. Native, undisturbed soils present below 5 ft. bgs.	None
08.23.2011	Joe Fayer	Spot checked pile driving. Monitored excavation of the joint trench; two water pipes encountered at the bottom of the excavation at approx. 8 ft. bgs. Also observed excavation of duct vault within the Powerblock to a depth of 8 ft. bgs.	None

Date	Monitors	Activities/Observations	Discoveries
08.24.2011	Joe Fayer	Spot checked pile driving and monitored excavation of duct vault within the Powerblock area to depth of 8 ft. bgs. Native soils observed below 6 ft. bgs.	None
08.25.2011	Joe Fayer	Spot checked pile driving and monitored excavation of duct bank within the Powerblock area to depth of 8 ft. bgs. Native soils observed below 6 ft. bgs.	None
08.26.2011	Ben Elliott	Spot checked pile driving. Monitored excavation of joint trench along western access road and excavation of duct bank within Powerblock. Possible disturbed native soils observed in joint trench excavation.	None
08.29.2011	Joe Fayer	Spot checked pile driving and monitored excavation of duct bank within the Powerblock area to depth of 8 ft. bgs. Native soils observed below 6 ft. bgs.	None
08.30.2011	Ben Elliott	Spot checked pile driving and monitored excavation of duct bank within the Powerblock area to depth of 8 ft. bgs. Presumed native soils observed below 6 ft. bgs.	None
08.31.2011	Ben Elliott	Spot checked pile driving and monitored excavation of duct bank within the Powerblock area to depth of 8 ft. bgs. Presumed native soils observed below 6 ft. bgs.	None

Conditions/LORS Compliance

No instances of non-compliance with the Conditions of Certification or applicable LORS were recorded. One minor compliance issue occurred in August. On August 23, 2011, the CRM notified the CRS and CPM that crews working on the excavation of the joint trench had worked overtime without informing the CPM, CRS or CRM. The following morning, the CRM inspected the area excavated the previous evening and determined that no native soils had been impacted, as the excavations were exposing existing water pipes present at the bottom of the joint trench. Communication protocols were reviewed with the contractor and the CRM was instructed to confirm with both the contractor supervisor and the CPM that all ground disturbance was completed for the day prior to leaving the site. No further communication issues have been reported by the CRM.

Summary and Conclusions

Cultural resources monitoring took place between August 1 and August 31, 2011. One CRM was onsite during ground disturbing activities. All ground disturbing activities throughout the MLGS project area were monitored. No cultural resources were discovered. Monitoring is ongoing, and will continue full-time for all ground disturbing activities except pile driving, which will be spot monitored.

Sincerely,

Maureen Kick
Cultural Resources Specialist, Marsh Landing Generating Station

Attachments: Monitoring Logs

cc: David Frandsen, GenOn
Nick Hontuchan, GenOn
Anne Connell, URS

Attachment A

Daily Cultural Resources Monitoring Logs
August 2011
Marsh Landing Generating Station

Appendix D: This page can be duplicated and copies completed daily by each CRM.

Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 8·1·11 Monitor Name: J. Fayer

Weather Conditions: Sunny Warm
Hours on Site Not Worked and Reason:
Work Location (Project Component): Power Block
Work Type (Machine): Excavation / Trenching
Depth of Excavation: 3' below ground surface
Observed Native Soils (Stratigraphy): Native soils below 2'
Disturbed/Redeposited Soils: 0-2' soil disturbed
Features:
N/A

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, stratigraphic context.):
N/A

Assessment of Significance of Any Finds? (As recommended by the CRS):
N/A

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling):
N/A
No Cultural Material Observed
-Kiewit is trenching for underground utilities, trench is about 4' wide, 3' deep below ground surface. Trench is along east edge of Power Block, traveling roughly North/South. Today about 200' of trench was dug. 0-2' was disturbed, redeposited, identified by concrete chunks & road base gravels mixed in with sands. 2-3' appeared to be native soil, clean brown sands.

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 8.2.11 Monitor Name: J. Fayer

Weather Conditions: Sunny Warm
Hours on Site Not Worked and Reason:
Work Location (Project Component): (Trenching/pot-holing), Power Block
Work Type (Machine):
Depth of Excavation: 3'
Observed Native Soils (Stratigraphy): No Native soils
Disturbed/Redeposited Soils: All soils re-deposited
Features:
N/A

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, stratigraphic context.):
N/A

Assessment of Significance of Any Finds? (As recommended by the CRS):
N/A

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling):
N/A
No Cultural Material observed today

-Kiewitt continues trenching. Today, trenching up on top of Power Block pad. 3' deep trench is entirely in redeposited soils.

~~[illegible]~~
-Pot hole-ing in location of future warehouse. All soils redeposited.

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 8.3.11 Monitor Name: J. Fayer

Weather Conditions: Sunny Windy
Hours on Site Not Worked and Reason:
Work Location (Project Component): "warehouse pad"
Work Type (Machine): Pot-holing
Depth of Excavation: 3-4' bgs
Observed Native Soils (Stratigraphy): No Native Soils
Disturbed/Redeposited Soils: All soils redeposited
Features:
N/A

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, stratigraphic context.):
N/A

Assessment of Significance of Any Finds? (As recommended by the CRS):
N/A

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling):
N/A
- Kiewit using "shop-vac" rig mounted on a flatbed truck. Pot-holing about 3 feet deep, 6" wide. All soils seen today are previously disturbed.
- No Cultural Resources observed today

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 8-4-11 Monitor Name: BEN ELLIOTT (URS)

Weather Conditions: SUNNY / LIGHT WIND ≈ 76°
Hours on Site ~~Not Worked and Reason~~: 0700 – 1430
Work Location (Project Component): SE corner of Rewitt parking ? in new plant foot print
Work Type (Machine): CAT 314D-L (track ex.), CAT dozer (D6?) INTERMITTENT EXCAVATIONS
Depth of Excavation: 3-4 ft. bgs
Observed Native Soils (Stratigraphy): all soils likely redeposited native: SAND, light brown
Disturbed/Redeposited Soils: ↓
Features:

Ø

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, stratigraphic context.):

Ø

Assessment of Significance of Any Finds? (As recommended by the CRS):

Ø

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling):

Ø

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 8.8.11 Monitor Name: J. Fryer

Weather Conditions: Sunny Warm & Windy
Hours on Site Not Worked and Reason:
Work Location (Project Component): Power Block
Work Type (Machine): Driving/Drilling piles
Depth of Excavation: Drilling to 30' Below current ground surface
Observed Native Soils (Stratigraphy): Native soils below 10'
Disturbed/Redeposited Soils: Redeposited soils 0-10'
Features:
N/A

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, stratigraphic context.):
N/A

Assessment of Significance of Any Finds? (As recommended by the CRS):
N/A

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling):
N/A
- Foundation is driving piles today, pre-drilling 30-40' deep ~~holes for the~~ piles.
7 piles driven

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 8.9.11 Monitor Name: J. Fayer

Weather Conditions: Sunny Warm
Hours on Site Not Worked and Reason:
Work Location (Project Component): Power Block
Work Type (Machine): Pile Driving/Drilling
Depth of Excavation: 30' bgs
Observed Native Soils (Stratigraphy): Native sands below +/- 10' bgs.
Disturbed/Redeposited Soils: 0-10' mostly redeposited soils
Features:
N/A

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, stratigraphic context.):
N/A

Assessment of Significance of Any Finds? (As recommended by the CRS):
N/A

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling):
N/A

- Foundation continues driving piles, pre-drilling 30' deep holes for the piles. One drill rig operating. Drove (about) 10 piles.

No cultural material observed today.

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 8·10·11 Monitor Name: J. Fayer

Weather Conditions: Sunny & Warm
Hours on Site Not Worked and Reason:
Work Location (Project Component): Power Block & Trench along Project's Western Access rd.
Work Type (Machine): Pile driving/drilling & Trenching
Depth of Excavation: 50' bgs & 8' bgs
Observed Native Soils (Stratigraphy): Native soil observed in each activity
Disturbed/Redeposited Soils: Disturbed soil present in both activity.
Features:

None

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, stratigraphic context.):

None

Assessment of Significance of Any Finds? (As recommended by the CRS):

None

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling):

None

- Foundation has two drill rigs operating today, driving ~~& drilling piles~~. Both rigs drilling to depth of 30' below current ground surface. ~~Piles~~ are driven to about 50' bgs. Spoils from drilling are inspected. Soils: 0-10' redeposited sands. 10-30' are presumably native homogenous sand. very wet near 25' bgs.

- Trenching taking place along western access rd to the project, on the eastside of this rd. Trench is about 8' bgs in its deepest location. Trench ~~about~~ 5' wide.

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 8-11-11 Monitor Name: J. Fryer

Weather Conditions: Sunny Warm
Hours on Site Not Worked and Reason:
Work Location (Project Component): Power Block / Western Access Rd Trench
Work Type (Machine): A) Pile Driving/Drilling & B) Trenching
Depth of Excavation: A) 50' B) 5'
Observed Native Soils (Stratigraphy): Native Soils observed in both activities
Disturbed/Redeposited Soils: "upper" portion of both activities previously disturbed (see below)
Features:
N/A

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, stratigraphic context.):
N/A

Assessment of Significance of Any Finds? (As recommended by the CRS):
N/A

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling):
N/A
* No Cultural Material observed. *
- Foundation continues driving piles, pre-drilling holes 30' bgs. Tailings from drilling were inspected. Two drill rigs operating today, about 15 piles were driven. Approx 0-10' bgs, soils were previously excavated. 10'-30' were native sands.

- Kiewit continues Joint trench, along Western Access rd. 5' deep x 6' wide. Below 3' soils assumed to be native, clean homogenous pale brown sands.

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 8.12.11 Monitor Name: J. Fayer

Weather Conditions: Sunny Warm
Hours on Site Not Worked and Reason:
Work Location (Project Component): Power Block & Joint Trench
Work Type (Machine): Pile Driving & Trenching
Depth of Excavation: 50' & 5'
Observed Native Soils (Stratigraphy): Native soils present in both activities
Disturbed/Redeposited Soils: "Upper" portions of both excavations contains disturbed soils
Features:
N/A

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, stratigraphic context.):
N/A

Assessment of Significance of Any Finds? (As recommended by the CRS):
N/A

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling):
N/A
* No Cultural Discoveries Today *
- Foundation Continues Driving piles 50', predrilling the first 30'. Below 30' soils are presumably native, Soil becomes wet near 25'.
- Kiewit Continues the joint trench along the Western access rd. Trench is 5' deep, about the last two feet are native.

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 8·15·11 Monitor Name: J. Fayer

Weather Conditions: Sunshine & warmth.
Hours on Site Not Worked and Reason:
Work Location (Project Component): Junction Trench along Western Access Rd & Power Block
Work Type (Machine): Trenching & Pile Driving/drilling
Depth of Excavation: 5' bgs & 50' BGS
Observed Native Soils (Stratigraphy): Native soils seen in both activities.
Disturbed/Redeposited Soils: Disturbed soil present in both activities
Features:
N/A

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, stratigraphic context.):
N/A

Assessment of Significance of Any Finds? (As recommended by the CRS):
N/A

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling):
N/A
* No Cultural Material observed today *
Kiewit is still digging Joint trench, along East side of & parallel to Western Access road. Trench is 5' deep x 6' wide. Numerous underground utilities are present, making progress slow, as well as evidence that soils exposed today have been previously disturbed.

Foundation has two drill rigs/pile drivers operating today. They are drilling holes to 30', then driving piles to 50'. No cultural material observed.

I delete level level

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 8.16.11 Monitor Name: J. Fayer

Weather Conditions: Hot & Sunny
Hours on Site Not Worked and Reason:
Work Location (Project Component): Power Block & Joint Trench along Western Access Road
Work Type (Machine): Pile Driving/Drilling & Trenching
Depth of Excavation: 50' & 5'
Observed Native Soils (Stratigraphy): Native soils present
Disturbed/Redeposited Soils: Some soils previously disturbed
Features:
N/A

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, stratigraphic context.):
N/A

Assessment of Significance of Any Finds? (As recommended by the CRS):
N/A

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling):
N/A
* No Cultural Material observed today *
- Kiewit continues digging joint trench along Western Access rd. Trench 5' deep x 6' wide. Native soils below 3'. Pale brown sand. Many utilities present from 0-3' bgs.

- Foundation also continues activity. Two drill rigs pre-drilling 30' holes, then driving piles to 50'. 0-10' soils are redeposited. Below 10' likely native ~~soils~~

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 8.17.11 Monitor Name: J. Fayer

Weather Conditions: Sunny & Hot
Hours on Site Not Worked and Reason:
Work Location (Project Component): Power Block & Joint Trench
Work Type (Machine): Pile driving/drilling & Trenching
Depth of Excavation: 50' & 5'
Observed Native Soils (Stratigraphy): (SEE Below)
Disturbed/Redeposited Soils:
Features:
N/A

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, stratigraphic context.):
N/A

Assessment of Significance of Any Finds? (As recommended by the CRS):
N/A

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling):
N/A

- Krewit continues working on Joint Trench along East side of project's western Access road. Today they are constructing temporary support structures for existing underground utilities (H2O pipes, Fiber optic lines) that bisect the trench. Some hand excavation around these utilities, which are about 3' bgs. Presumably, all these soils are previously disturbed.

- Foundation has two pile drivers operating. Pre-drilling holes to about 30' bgs. These spoils were inspected. Then driving piles to 50'. 0-10' of soil were redeposited. About 10-30' were native soil, pale brown sand. Soil very wet near 25'.

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 8.18.11 Monitor Name: J. Fayer

Weather Conditions: Warm Sunshine
Hours on Site Not Worked and Reason:
Work Location (Project Component): Power Block and Joint Trench
Work Type (Machine): Pile Driving/Drilling and Trenching
Depth of Excavation: 50' and 5'
Observed Native Soils (Stratigraphy): (SEE Below)
Disturbed/Redeposited Soils:
Features:
N/A

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, stratigraphic context.):
N/A

Assessment of Significance of Any Finds? (As recommended by the CRS):
N/A

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling):
N/A
No Cultural Discoveries Today

-Foundation continues driving piles. Pre-drilling to 30', driving piles to 50'. In Power Block location. Drilling spoils spot-checked due to other simultaneous activities onsite.

-Kiewit is still, slowly, digging Joint Trench along east side ~~of~~ Western access road. Many, many underground utilities are present, making progress slow, and offering evidence that exposed soils have been previously disturbed.

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 8.19.11 Monitor Name: J. Fayel

Weather Conditions: Sunny & Warm, with moderate NW breeze
Hours on Site Not Worked and Reason:
Work Location (Project Component): Power Block & Joint Trench
Work Type (Machine): Pile Driving/Drilling & Trench maintenance
Depth of Excavation: 50' & N/A
Observed Native Soils (Stratigraphy): Native soils seen below 10' bgs in pile driving activity
Disturbed/Redeposited Soils: 0-10' previously disturbed soils in pile driving
Features:
N/A

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, stratigraphic context.):
N/A

Assessment of Significance of Any Finds? (As recommended by the CRS):
N/A

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling):
N/A

Kiewitt is not digging the Joint Trench today. Rather, they are stabilizing existing water lines that bisect the trench

- Foundation has two drill rigs onsite, both pre-drilling 30' deep holes, the driving piles 50'. The backdirt from drilling was inspected.

*No Cultural material observed

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 8.22.11 Monitor Name: J. Fayer

Weather Conditions: Sunny & warm
Hours on Site Not Worked and Reason:
Work Location (Project Component): Power Block
Work Type (Machine): Pile Driving & Duct Vault Excavation
Depth of Excavation: 50' 8'
Observed Native Soils (Stratigraphy): Native soils present in each activity
Disturbed/Redeposited Soils: Disturbed soils present.
Features:
N/A

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, stratigraphic context.):
N/A

Assessment of Significance of Any Finds? (As recommended by the CRS):
N/A

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling):
N/A
No Cultural discoveries today.

Kiewit is excavating a duct vault in the power block. This vault is about 15' x 12' x about 8' deep. The bottom 3' or so are most likely native soils

Foundation also continues pile driving.

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 8.23.11 Monitor Name: J. Fayer

Weather Conditions: Sunny & Hot
Hours on Site Not Worked and Reason:
Work Location (Project Component): Power Block & Joint Trench near Project's western Access Rd.
Work Type (Machine): Pile Driving & Excavation of Duct Vault & Trenching
Depth of Excavation: 50' & 8' bgs & 5' bgs
Observed Native Soils (Stratigraphy): Native soils observed in both activities
Disturbed/Redeposited Soils: Upper portion of each excavation has been redeposited
Features:
N/A

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, stratigraphic context.):
N/A

Assessment of Significance of Any Finds? (As recommended by the CRS):
N/A

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling):
N/A
-*No Cultural Discoveries Today*
- Foundation continues to drive piles with two drill rigs operating simultaneously. About 30 piles were driven today. The spoils from 30' of pre-drilling were inspected. 0-10' redeposited soils. 10-30' native sands.
- Kiewit excavated an 8' deep ductvault in the powerblock. This ductvault measures about 20'x30'. The bottom 2 or 3' of this excavation are in native soils.
- Kiewit also continues excavating Joint Trench. Currently, they are exposing two 8" water pipes. These pipes are at the bottom of the trench. Todays excavation is wider than previous trench for installation of these water pipes, as the edges of the current excavation show what is likely native sands.

*Note (8.24.11), arrived on site @ 7am this morning to see that excavation of Joint Trench continued yesterday afternoon, after I left. I was unaware overtime was going to be worked. No communication from other parties.

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 8.24.11 Monitor Name: J. Fayer

Weather Conditions: Sunny & Warm
Hours on Site Not Worked and Reason:
Work Location (Project Component): Power Block
Work Type (Machine): Pile Driving & Excavation
Depth of Excavation: 50' & 8'
Observed Native Soils (Stratigraphy): Native Soils present in both activities
Disturbed/Redeposited Soils: Upper portion of soil in both activities has been redeposited
Features:
N/A

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, stratigraphic context.):
N/A

Assessment of Significance of Any Finds? (As recommended by the CRS):
N/A

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling):
N/A

- Foundation continues driving piles. Two rigs drove a total of about 30 piles. The spoils from 30' of pre-drilling were inspected.
- Kiewit continues excavating duct bank in powerblock. Excavation is about 8' deep, the bottom 2' of which are in native soils.
- No cultural material observed today.

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 8.25.11 Monitor Name: J. Fayer

Weather Conditions: Sunny & Warm
Hours on Site Not Worked and Reason:
Work Location (Project Component): Power Block
Work Type (Machine): Pile Driving & Excavation
Depth of Excavation: 50' & 8'
Observed Native Soils (Stratigraphy): Native Soils observed in both activity
Disturbed/Redeposited Soils: yes
Features:
N/A

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, stratigraphic context.):
N/A

Assessment of Significance of Any Finds? (As recommended by the CRS):
N/A

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling):
N/A

No Cultural Material observed Today

-Kiewitt excavating a duct bank in the Power Block. Excavation near 8' deep below current ground surface. Below about 5-6' bgs, soils are native brown sands.

-Foundation has two pile drivers operating. Pre-drilling holes the first 30' bgs. These spoils were spot checked.

2.12 CUL-6

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 8/26/11 Monitor Name: BEN ELLIOTT (URS) 7:00 AM - 1530

Weather Conditions: SUNNY / CLEAR W/ WIND

Hours on Site Not Worked and Reason: —

Work Location (Project Component): TRENCHING - along Kiewit access, Excavation - N/A proj. area (DUCT BANK), PILE DRIVI

Work Type (Machine): TRACK MOUNTED EXCAVATOR, PILE DRIVER W/ AUGER

Depth of Excavation: TRENCH: ≈5', DUCT BANK/VAULT ≈ 8'

Observed Native Soils (Stratigraphy): —

Disturbed/Redeposited Soils: POSSIBLY DISTURBED NATIVE IN TRENCH ALONG KIEWIT ACCESS

Features: Ø

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, stratigraphic context.): Ø

Assessment of Significance of Any Finds? (As recommended by the CRS): Ø

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling): Ø

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 8.29.11 Monitor Name: J. Fayer

Weather Conditions: Sunny warm light breeze
Hours on Site Not Worked and Reason:
Work Location (Project Component): Power Block
Work Type (Machine): Pile driving & Excavation
Depth of Excavation: 50' bgs & 8' bgs
Observed Native Soils (Stratigraphy): Native soils present in both activities
Disturbed/Redeposited Soils:
Features:
N/A

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, stratigraphic context.):
N/A

Assessment of Significance of Any Finds? (As recommended by the CRS):
N/A

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling):
N/A
* NO Cultural Discoveries Today *
- Foundation continues driving piles, two drivers onsite. Drove about 24 piles today
- Kiewit continues to excavate Duct bank, at a depth of about 8' below current ground surface, which the last 2 or 3' are native soils.

CULTURAL RESOURCES MONITORING
MARSH LANDING GENERATING
STATION

08/30/11 B. ELLIOT
0735 - 1600 (URS)

SUNNY, CLEAR, WINDY
[POWERBLOCK 1]
TWO TRACK MOUNTED EXCAVATORS
EXCAVATING TO ≈ 6-8' BGS
— — SAND, SOME CLAY/SILT
CONTENT, BROWN,
HOMOGENIOUS — NO
STRATIGRAPHY

PILE DRIVING (TWO TEAMS)
pilot hole auger 22' - 30'
observed backdirt — no cultural material

NO ARCHAEOLOGICAL/CULT
DISCOVERIES

NO ACTIONS TAKEN

NO PHOTOGRAPHS

CULTURAL RESOURCES MONITORING
MARSH LANDING GENERATING
STATION

08/31/11 B. ELLIOTT
0730 - 1730 (URS)

SUNNY, CLEAR, WINDY
[POWERBLOCK 1]
TWO TRACK MOUNTED EXCAVATORS
EXCAVATING TO ≈ 6-8' BGS
- - SAND, SOME CLAY/SILT
CONTENT, BROWN,
HOMOGENIOUS - NO
STATIGRAPHY

PILE DRIVING (TWO TEAMS)
Pilot hole auger 22' - 30'
observed backdirt - no cultural material

33 total piles

NO ARCHAEOLOGICAL/CUL
DISCOVERIES

NO ACTIONS TAKEN

NO PHOTOGRAPHS

Frandsen, David

From: Maureen_Kick@URSCorp.com
Sent: Friday, July 22, 2011 2:25 PM
To: cstora@energy.state.ca.us
Cc: Anne_Connell@URSCorp.com; mmcguirt@energy.state.ca.us; Frandsen, David
Subject: Marsh Landing Generating Station (08-AFC-3C) CUL-6, Request for Reduction in Cultural Resources Monitoring

Dear Ms. Stora:

Pursuant to CUL-6, I am requesting your approval to reduce the level of cultural resources monitoring at Marsh Landing Generating Station. Mass excavation and the majority of ground disturbing activities (primarily utility trenching) are largely complete. Within the majority of the project area, mass grading and recompaction has occurred to a depth of up to 20 feet below the original ground surface. Full time monitoring has been ongoing for approximately 5 months. No significant cultural discoveries have occurred.

Upcoming ground disturbing activities that have the potential to encounter previously undisturbed or native soils at the site include pile driving, excavation of a gas line trench and drilling of two water wells. Excavation of the gas line trench and drilling of water wells are not expected to occur prior to September 2011. Pile driving is expected to occur throughout the months of August and September 2011. Pile driving consists of drilling a pilot hole for each pile, and then driving the pile. One rig is used to drill and drive one pile at a time. It is my opinion that this activity can be adequately monitored through spot checks several times a week.

I am in regular communication with the project owner and general contractor regarding activities at the project site, and the contractor will continue to provide to me an anticipated schedule of construction activities on a weekly basis. In the event that unanticipated ground disturbing activities are scheduled, or trenching and/or drilling resume, full time monitoring of these activities would also resume, as appropriate.

Please don't hesitate to contact me should you have any questions or concerns. Thank you for your timely consideration of this request.

Sincerely,

Maureen Kick
Cultural Resources Specialist

Maureen S. Kick, MA, RPA
Senior Archaeologist
URS Corporation
1333 Broadway, Suite 800
Oakland, CA 94612-1924
Phone: 510.893.3600
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CONTRA COSTA COUNTY
Department of Conservation & Development
Building Inspection Division
651 Pine Street, N. Wing – 3rd Floor
Martinez, CA 94553 1229

MARSH LANDING PROJECT TRANSMITTAL

DATE : August 3, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 1

Sent for your ☐ **Information** ☒ **Review** ☐ **As Requested**

The following packages have been returned with comments and/or have been approved. Please, see the attached detailed list of documents included with each package.

ELEC-1-17.2 (CBO-0186)
Approved

Deborah Sandercock, S.E. Supervising Structural Engineer	FOR Marie Taylor Supervising Building Inspector	Gary Faria Senior Grading Inspector

Marsh Landing - CBO Transmittal Report

CBO-0186 **Title** **ELEC-1-17.2** **File No** **015F**

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-ED-003 Rev. 1		Electrical Duct Bank Layout Gas Metering Area (Revised Note 1 to reflect 2005 Edition of the NEC, Revised Duct Bank Route, Revised & Added Details)	MT	8/3/2011	8/3/2011	Approved

CONTRA COSTA COUNTY
Department of Conservation & Development
Building Inspection Division
651 Pine Street, N. Wing – 3rd Floor
Martinez, CA 94553 1229

MARSH LANDING PROJECT TRANSMITTAL

DATE : August 10, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 5

Sent for your ☐ **Information** ☒ **Review** ☐ **As Requested**

The following packages have been returned with comments and/or have been approved. Please, see the attached detailed list of documents included with each package.

STRUC-1-2.1B (CBO-0247) Approved	ELEC-1-17.0 (CBO-0240) Approved	
ELEC-1-9.0 (CBO-0228) Approved	ELEC-1-4.0 (CBO-0244) Approved	
ELEC-1-17.3 (CBO-0241) Approved		

Ritchie for

Deborah Sandercock, S.E. Supervising Structural Engineer	Marie Taylor Supervising Building Inspector	Gary Faria Senior Grading Inspector

Marsh Landing - CBO Transmittal Report

CBO-0240 **Title** **ELEC-1-17.0** **File No** **015F**

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-ED-130 rev0		Electrical Duct Bank Layout Fuel Gas and Stacks 2 and 3 Areas	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-001 rev0		Electrical Duct Bank Layout Site Key Plan	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-010 rev0		Electrical Duct Bank Layout Yard Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-020 rev0		Electrical Duct Bank Layout Water Treatment Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-030 rev0		Electrical Duct Bank Layout Fuel Gas Compressor Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-120 rev0		Electrical Duct Bank Layout Administration and Control Buildings, Stacks 1 and 2	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-140 rev0		Electrical Duct Bank Layout Stack 4 and Yard Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-320 rev0		Electrical Duct Bank Layout GSU 1 and 2 Switchyard Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-330 rev0		Electrical Duct Bank Layout GSU 2 and 3 Switchyard Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-900 rev0		Electrical Duct Bank Details	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-901 rev0		Electrical Duct Bank Details	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-902 rec0		Electrical Duct Bank Details SFC/ See Package 01 and 02	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-903 rev0		Electrical Duct Bank Details SFC/ See Package 03 and 04	MT	8/9/2011	8/10/2011	Approved

Drawing	2009-019-ED-340 rev0		Electrical Duct Bank Layout GSU 4 and Switchyard Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-110 rev0		Electrical Duct Bank Layout Ammonia Storage Area	MT	8/9/2011	8/10/2011	Approved

CBO-0241 **Title** **ELEC-1-17.3** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Drawing	2009-019-ED-220 rev0		Electrical Duct Bank Layout SCR/CTG 1 and 2 Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-230 rev0		Electrical Duct Bank Layout SCR/CTG 2 and 3 Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-240 rev0		Electrical Duct Bank Layout SCR/CTG 4 Area	MT	8/9/2011	8/10/2011	Approved

CBO-0244 **Title** **ELEC-1-4.0** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Drawing	2009-019-EG-900 rev0		Electrical Grounding Installation Details	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-EG-901 rev0		Electrical Grounding Installation Details	MT	8/9/2011	8/10/2011	Approved

CBO-0228 **Title** **ELEC-1-9.0** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Drawing	2009-019-EC-001 rev 0		Electrical Embedded Conduit Layout Site Key Plan	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-EC-960C rev 0		Electrical Embedded Conduit Layout Typical CTG Conduit Elevation 13'-7"	MT	8/9/2011	8/10/2011	Approved

Drawing	2009-019-EC-960B rev 0		Electrical Embedded Conduit Layout Typical CTG Conduit Elevation 14'-2"	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-EC-960A rev 0		Electrical Embedded Conduit Layout Typical CTG Conduit Elevation 14'-9"	MT	8/9/2011	8/10/2011	Approved

CBO-0247 **Title** **STRUC-1-2.1B** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Calcs	912A-02 Rev 2		Pile to Pile Cap Connection	RS	8/10/2011	8/10/2011	Approved
Drawing	2009-019-SF-202 rev1		Pile to Pile Cap Connection Details	RS	8/10/2011	8/10/2011	Approved

CONTRA COSTA COUNTY
Department of Conservation & Development
Building Inspection Division
651 Pine Street, N. Wing – 3rd Floor
Martinez, CA 94553 1229

MARSH LANDING PROJECT TRANSMITTAL

DATE : August 10, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 5

Sent for your ☐ **Information** ☒ **Review** ☐ **As Requested**

The following packages have been returned with comments and/or have been approved. Please, see the attached detailed list of documents included with each package.

STRUC-1-2.1B (CBO-0247) Approved	ELEC-1-17.0 (CBO-0240) Approved	
ELEC-1-9.0 (CBO-0228) Approved	ELEC-1-4.0 (CBO-0244) Approved	
ELEC-1-17.3 (CBO-0241) Approved		

Ritchie for Deborah Sandercock, S.E. Supervising Structural Engineer	Marie Taylor Supervising Building Inspector	Gary Faria Senior Grading Inspector

Marsh Landing - CBO Transmittal Report

CBO-0240 **Title** **ELEC-1-17.0** **File No** **015F**

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-ED-130 rev0		Electrical Duct Bank Layout Fuel Gas and Stacks 2 and 3 Areas	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-001 rev0		Electrical Duct Bank Layout Site Key Plan	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-010 rev0		Electrical Duct Bank Layout Yard Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-020 rev0		Electrical Duct Bank Layout Water Treatment Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-030 rev0		Electrical Duct Bank Layout Fuel Gas Compressor Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-120 rev0		Electrical Duct Bank Layout Administration and Control Buildings, Stacks 1 and 2	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-140 rev0		Electrical Duct Bank Layout Stack 4 and Yard Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-320 rev0		Electrical Duct Bank Layout GSU 1 and 2 Switchyard Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-330 rev0		Electrical Duct Bank Layout GSU 2 and 3 Switchyard Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-900 rev0		Electrical Duct Bank Details	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-901 rev0		Electrical Duct Bank Details	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-902 rec0		Electrical Duct Bank Details SFC/ See Package 01 and 02	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-903 rev0		Electrical Duct Bank Details SFC/ See Package 03 and 04	MT	8/9/2011	8/10/2011	Approved

Drawing	2009-019-ED-340 rev0		Electrical Duct Bank Layout GSU 4 and Switchyard Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-110 rev0		Electrical Duct Bank Layout Ammonia Storage Area	MT	8/9/2011	8/10/2011	Approved

CBO-0241 **Title** **ELEC-1-17.3** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Drawing	2009-019-ED-220 rev0		Electrical Duct Bank Layout SCR/CTG 1 and 2 Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-230 rev0		Electrical Duct Bank Layout SCR/CTG 2 and 3 Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-240 rev0		Electrical Duct Bank Layout SCR/CTG 4 Area	MT	8/9/2011	8/10/2011	Approved

CBO-0244 **Title** **ELEC-1-4.0** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Drawing	2009-019-EG-900 rev0		Electrical Grounding Installation Details	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-EG-901 rev0		Electrical Grounding Installation Details	MT	8/9/2011	8/10/2011	Approved

CBO-0228 **Title** **ELEC-1-9.0** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Drawing	2009-019-EC-001 rev 0		Electrical Embedded Conduit Layout Site Key Plan	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-EC-960C rev 0		Electrical Embedded Conduit Layout Typical CTG Conduit Elevation 13'-7"	MT	8/9/2011	8/10/2011	Approved

Drawing	2009-019-EC-960B rev 0	Electrical Embedded Conduit Layout Typical CTG Conduit Elevation 14'-2"	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-EC-960A rev 0	Electrical Embedded Conduit Layout Typical CTG Conduit Elevation 14'-9"	MT	8/9/2011	8/10/2011	Approved

CBO-0247 **Title** **STRUC-1-2.1B** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Calcs	912A-02 Rev 2		Pile to Pile Cap Connection	RS	8/10/2011	8/10/2011	Approved
Drawing	2009-019-SF-202 rev1		Pile to Pile Cap Connection Details	RS	8/10/2011	8/10/2011	Approved

CONTRA COSTA COUNTY
Department of Conservation & Development
Building Inspection Division
651 Pine Street, N. Wing – 3rd Floor
Martinez, CA 94553 1229

MARSH LANDING PROJECT TRANSMITTAL

DATE : August 10, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 5

Sent for your ☐ **Information** ☒ **Review** ☐ **As Requested**

The following packages have been returned with comments and/or have been approved. Please, see the attached detailed list of documents included with each package.

STRUC-1-2.1B (CBO-0247) Approved	ELEC-1-17.0 (CBO-0240) Approved	
ELEC-1-9.0 (CBO-0228) Approved	ELEC-1-4.0 (CBO-0244) Approved	
ELEC-1-17.3 (CBO-0241) Approved		

Ritchie for Deborah Sandercock, S.E. Supervising Structural Engineer	Marie Taylor Supervising Building Inspector	Gary Faria Senior Grading Inspector

Marsh Landing - CBO Transmittal Report

CBO-0240 **Title** **ELEC-1-17.0** **File No** **015F**

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-ED-130 rev0		Electrical Duct Bank Layout Fuel Gas and Stacks 2 and 3 Areas	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-001 rev0		Electrical Duct Bank Layout Site Key Plan	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-010 rev0		Electrical Duct Bank Layout Yard Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-020 rev0		Electrical Duct Bank Layout Water Treatment Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-030 rev0		Electrical Duct Bank Layout Fuel Gas Compressor Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-120 rev0		Electrical Duct Bank Layout Administration and Control Buildings, Stacks 1 and 2	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-140 rev0		Electrical Duct Bank Layout Stack 4 and Yard Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-320 rev0		Electrical Duct Bank Layout GSU 1 and 2 Switchyard Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-330 rev0		Electrical Duct Bank Layout GSU 2 and 3 Switchyard Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-900 rev0		Electrical Duct Bank Details	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-901 rev0		Electrical Duct Bank Details	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-902 rec0		Electrical Duct Bank Details SFC/ See Package 01 and 02	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-903 rev0		Electrical Duct Bank Details SFC/ See Package 03 and 04	MT	8/9/2011	8/10/2011	Approved

Drawing	2009-019-ED-340 rev0		Electrical Duct Bank Layout GSU 4 and Switchyard Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-110 rev0		Electrical Duct Bank Layout Ammonia Storage Area	MT	8/9/2011	8/10/2011	Approved

CBO-0241 **Title** **ELEC-1-17.3** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Drawing	2009-019-ED-220 rev0		Electrical Duct Bank Layout SCR/CTG 1 and 2 Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-230 rev0		Electrical Duct Bank Layout SCR/CTG 2 and 3 Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-240 rev0		Electrical Duct Bank Layout SCR/CTG 4 Area	MT	8/9/2011	8/10/2011	Approved

CBO-0244 **Title** **ELEC-1-4.0** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Drawing	2009-019-EG-900 rev0		Electrical Grounding Installation Details	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-EG-901 rev0		Electrical Grounding Installation Details	MT	8/9/2011	8/10/2011	Approved

CBO-0228 **Title** **ELEC-1-9.0** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Drawing	2009-019-EC-001 rev 0		Electrical Embedded Conduit Layout Site Key Plan	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-EC-960C rev 0		Electrical Embedded Conduit Layout Typical CTG Conduit Elevation 13'-7"	MT	8/9/2011	8/10/2011	Approved

Drawing	2009-019-EC-960B rev 0	Electrical Embedded Conduit Layout Typical CTG Conduit Elevation 14'-2"	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-EC-960A rev 0	Electrical Embedded Conduit Layout Typical CTG Conduit Elevation 14'-9"	MT	8/9/2011	8/10/2011	Approved

CBO-0247 **Title** **STRUC-1-2.1B** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Calcs	912A-02 Rev 2		Pile to Pile Cap Connection	RS	8/10/2011	8/10/2011	Approved
Drawing	2009-019-SF-202 rev1		Pile to Pile Cap Connection Details	RS	8/10/2011	8/10/2011	Approved

CONTRA COSTA COUNTY
Department of Conservation & Development
Building Inspection Division
651 Pine Street, N. Wing – 3rd Floor
Martinez, CA 94553 1229

MARSH LANDING PROJECT TRANSMITTAL

DATE : August 10, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 5

Sent for your ☐ **Information** ☒ **Review** ☐ **As Requested**

The following packages have been returned with comments and/or have been approved. Please, see the attached detailed list of documents included with each package.

STRUC-1-2.1B (CBO-0247) Approved	ELEC-1-17.0 (CBO-0240) Approved	
ELEC-1-9.0 (CBO-0228) Approved	ELEC-1-4.0 (CBO-0244) Approved	
ELEC-1-17.3 (CBO-0241) Approved		

Ritchie for Deborah Sandercock, S.E. Supervising Structural Engineer	Marie Taylor Supervising Building Inspector	Gary Faria Senior Grading Inspector

Marsh Landing - CBO Transmittal Report

CBO-0240 **Title** **ELEC-1-17.0** **File No** **015F**

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-ED-130 rev0		Electrical Duct Bank Layout Fuel Gas and Stacks 2 and 3 Areas	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-001 rev0		Electrical Duct Bank Layout Site Key Plan	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-010 rev0		Electrical Duct Bank Layout Yard Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-020 rev0		Electrical Duct Bank Layout Water Treatment Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-030 rev0		Electrical Duct Bank Layout Fuel Gas Compressor Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-120 rev0		Electrical Duct Bank Layout Administration and Control Buildings, Stacks 1 and 2	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-140 rev0		Electrical Duct Bank Layout Stack 4 and Yard Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-320 rev0		Electrical Duct Bank Layout GSU 1 and 2 Switchyard Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-330 rev0		Electrical Duct Bank Layout GSU 2 and 3 Switchyard Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-900 rev0		Electrical Duct Bank Details	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-901 rev0		Electrical Duct Bank Details	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-902 rec0		Electrical Duct Bank Details SFC/ See Package 01 and 02	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-903 rev0		Electrical Duct Bank Details SFC/ See Package 03 and 04	MT	8/9/2011	8/10/2011	Approved

Drawing	2009-019-ED-340 rev0		Electrical Duct Bank Layout GSU 4 and Switchyard Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-110 rev0		Electrical Duct Bank Layout Ammonia Storage Area	MT	8/9/2011	8/10/2011	Approved

CBO-0241 **Title** **ELEC-1-17.3** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Drawing	2009-019-ED-220 rev0		Electrical Duct Bank Layout SCR/CTG 1 and 2 Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-230 rev0		Electrical Duct Bank Layout SCR/CTG 2 and 3 Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-240 rev0		Electrical Duct Bank Layout SCR/CTG 4 Area	MT	8/9/2011	8/10/2011	Approved

CBO-0244 **Title** **ELEC-1-4.0** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Drawing	2009-019-EG-900 rev0		Electrical Grounding Installation Details	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-EG-901 rev0		Electrical Grounding Installation Details	MT	8/9/2011	8/10/2011	Approved

CBO-0228 **Title** **ELEC-1-9.0** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Drawing	2009-019-EC-001 rev 0		Electrical Embedded Conduit Layout Site Key Plan	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-EC-960C rev 0		Electrical Embedded Conduit Layout Typical CTG Conduit Elevation 13'-7"	MT	8/9/2011	8/10/2011	Approved

Drawing	2009-019-EC-960B rev 0	Electrical Embedded Conduit Layout Typical CTG Conduit Elevation 14'-2"	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-EC-960A rev 0	Electrical Embedded Conduit Layout Typical CTG Conduit Elevation 14'-9"	MT	8/9/2011	8/10/2011	Approved

CBO-0247 **Title** **STRUC-1-2.1B** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Calcs	912A-02 Rev 2		Pile to Pile Cap Connection	RS	8/10/2011	8/10/2011	Approved
Drawing	2009-019-SF-202 rev1		Pile to Pile Cap Connection Details	RS	8/10/2011	8/10/2011	Approved

CONTRA COSTA COUNTY
Department of Conservation & Development
Building Inspection Division
651 Pine Street, N. Wing – 3rd Floor
Martinez, CA 94553 1229

MARSH LANDING PROJECT TRANSMITTAL

DATE : August 24, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 3

Sent for your ☐ **Information** ☒ **Review** ☐ **As Requested**

The following packages have been returned with comments and/or have been approved. Please, see the attached detailed list of documents included with each package.

STRUC-1-8.0 (CBO-0274) Approved	STRUC-1-37.0 (CBO-0242) w/ Comments
ELEC-1-7.0 (CBO-0243) Approved	

Deborah Sandercock, S.E. Supervising Structural Engineer	Marie Taylor Supervising Building Inspector	Gary Faria Senior Grading Inspector

Marsh Landing - CBO Transmittal Report

CBO-0243 Title **ELEC-1-7.0** File No **015F**

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-EG-002 rev0		Electrical Grounding Layout Site Ground Grid	MT	8/24/2011	8/24/2011	Approved
Drawing	2009-019-EG-001 rev0		Electrical Grounding Layout Site Key Plan	MT	8/24/2011	8/24/2011	Approved

CBO-0242 Title **STRUC-1-37.0** File No **015F**

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Calcs	910R-07 Rev A		Isophase Area Foundation Calculation	RS		8/24/2011	Returned with comments
Drawing	2009-019-SF-089B revA		Units #2 ISO-Phase Support Area mat Foundation Plan, Sections and Details	RS		8/24/2011	Returned with comments
Drawing	2009-019-SF-089A revA		Units #1, 3 and 4 ISO-Phase Support Area Mat Foundation Plan, Sections and Details	RS		8/24/2011	Returned with comments

CBO-0274 Title **STRUC-1-8.0** File No **015F**

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-SF-020 Rev. 1		SCR System Unit #4 Foundation Piling Plan	MT	8/24/2011	8/24/2011	Approved
Drawing	2009-019-SF-018 Rev. 1		SCR System Unit #2 Foundation Piling Plan	MT	8/24/2011	8/24/2011	Approved
Drawing	2009-019-SF-019 Rev. 1		SCR System Unit #3 Foundation Piling Plan	MT	8/24/2011	8/24/2011	Approved

Drawing	2009-019-SF-017 Rev. 1	SCR System Unit #1 Foundation Piling Plan	MT	8/24/2011	8/24/2011	Approved

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GEN-2-1.0	Marsh Landing SCHEDULE														
	MASTER DRAWING LIST (REV 3)			11/18/10		01/04/11		03/04/11							
	MASTER SPECIFICATION LIST			11/18/10		01/04/11									
GEN-4-1.0															
	CALIFORNIA RESIDENT ENGINEER - F. GENE AMRHEIN			12/13/10		01/26/11									02/16/11
GEN-5-1.0	KPE RESPONSIBLE ENGINEERS														
	CE1RESUME - CIVIL ENGINEER RESUME - OMAR OLIVARES			11/23/10		01/17/11									02/15/11
	EE1RESUME - ELECTRICAL ENGINEER RESUME - CHARLIE SCHWARTZE			11/23/10		01/17/11									02/15/11
	ME1RESUME - MECHANICAL ENGINEER RESUME - JAKE ALBERS			11/23/10		01/17/11									02/15/11
	SE1RESUME - STRUCTURAL ENGINEER RESUME - F. GENE AMRHEIN			11/23/10		01/17/11									02/15/11
	GE1RESUME -GEOLOGIST RESUME - PHILIP MEYMAND			11/23/10		01/17/11									02/15/11
	EG1RESUME - ENGINEERING GEOLOGIST - RAY RICE			11/24/10		01/17/11									02/15/11
	SE2RESUME - STRUCTURAL ENGINEER RESUME - JOHN LIU					03/17/11									03/21/11
	EE3RESUME - ELECTRICAL ENGINEER RESUME - THARU NADARAJAH					06/20/11									06/21/11
	SE3RESUME - STRUCTURAL ENGINEER RESUME - CHAD ENDERS					06/21/11									06/28/11
GEN-6-1.0	3RD PARTY INSPECTIONS														
	QC SOUTHWEST RESUMES	Resumes		02/20/11	02/20/11	02/20/11									02/24/11
	Anselmo DeHaro	Resume				04/08/11									04/12/11
Condition	Title	Deliverable Type	Deliverable No	Target Release Date IFR		ACTUAL SUBMITTAL DATE	CBO COMMENTS		CBO DUE DATE	Target Release Date IFC					CBO APPROVED
CIVIL-1															
CIVIL-1-1.0	Fencing	Specification	907	12/28/2010	2/4/2011	2/4/2011				1/15/2011					3/10/2011
CIVIL-1-2.0	DESIGN CRITERIA	Misc.	CDC-001							1/5/2011	2/4/2011	2/4/2011	3/15/2011	3/23/2011	3/25/2011
CIVIL-1-3.0	GRADING KEY PLAN	Drawing	CG-001	1/12/2011	2/25/2011	2/18/2011	3/10/2011			2/16/2011	3/18/2011	3/21/2011		7/1/2011	3/25/2011
	GRADING PLAN	Drawing	CG-019	1/12/2011	2/25/2011	2/18/2011	3/10/2011			2/16/2011	3/18/2011	3/21/2011		7/1/2011	3/25/2011
	GRADING PLAN	Drawing	CG-020	1/12/2011	2/25/2011	2/18/2011	3/10/2011			2/16/2011	3/18/2011	3/21/2011		7/1/2011	3/25/2011
	GRADING PLAN	Drawing	CG-021	1/12/2011	2/25/2011	2/18/2011	3/10/2011			2/16/2011	3/18/2011	3/21/2011		7/1/2011	3/25/2011
	GRADING PLAN	Drawing	CG-027	1/12/2011	2/25/2011	2/18/2011	3/10/2011			2/16/2011	3/18/2011	3/21/2011		7/1/2011	3/25/2011
	GRADING PLAN	Drawing	CG-028	1/12/2011	2/25/2011	2/18/2011	3/10/2011			2/16/2011	3/18/2011	3/21/2011		7/1/2011	3/25/2011
	GRADING PLAN	Drawing	CG-029	1/12/2011	2/25/2011	2/18/2011	3/10/2011			2/16/2011	3/18/2011	3/21/2011		7/1/2011	3/25/2011
	GRADING PLAN	Drawing	CG-030	1/12/2011	2/25/2011	2/18/2011			3/10/2011	2/16/2011	3/18/2011	3/21/2011		7/1/2011	3/25/2011
	GRADING PLAN	Drawing	CG-035	1/12/2011	2/25/2011	2/18/2011	3/10/2011			2/16/2011	3/18/2011	3/21/2011		7/1/2011	3/25/2011
	GRADING PLAN	Drawing	CG-036	1/12/2011	2/25/2011	2/18/2011	3/10/2011			2/16/2011	3/18/2011	3/21/2011		7/1/2011	
	GRADING PLAN	Drawing	CG-037	1/12/2011	2/25/2011	2/18/2011	3/10/2011			2/16/2011	3/18/2011	3/21/2011		7/1/2011	
	GRADING PLAN	Drawing	CG-043	1/12/2011	2/25/2011	2/18/2011	3/10/2011			2/16/2011	3/18/2011	3/21/2011		7/1/2011	3/25/2011
	GRADING PLAN	Drawing	CG-044	1/12/2011	2/25/2011	2/18/2011	3/10/2011			2/16/2011	3/18/2011	3/21/2011		7/1/2011	3/25/2011
	EROSION CONTROL KEY PLAN	Drawing	CM-008	1/28/2011	1/18/2011	2/18/2011	3/10/2011			3/4/2011	3/18/2011	3/23/2011		5/20/2011	
	EROSION CONTROL KEY PLAN	Drawing	CM-009									3/23/2011		5/6/2011	3/25/2011
	POND & DITCH SECTION	Drawing	CX-001									3/21/2011		5/6/2011	3/30/2011
	~~GRADING PLAN~~	~~Drawing~~	~~CG-022~~	~~1/12/2011~~	~~2/25/2011~~	~~2/18/2011~~			~~3/10/2011~~	~~2/16/2011~~	~~3/18/2011~~	~~3/21/2011~~		5/6/2011	VOID
CIVIL-1-3.1	URS GRADING REVIEW	Letter	URS LETTER			3/28/2011			3/30/2011						
	URS MLGS EARTHWORK	LETTER	URS LETTER			5/31/2011	6/17/2011	6/24/2011	7/1/2011						
CIVIL-1-4.0	MLGS SWPPP		SWPP			3/2/2011	3/11/2011								Reference
CIVIL-1-5.0	TEMPORARY FACILITIES PLAN	Drawing	CS-400	1/12/2011	1/12/2011	2/7/2011		3/9/2011		2/16/2011	3/24/2011	3/30/2011		8/10/2011	5/5/2011
CIVIL-1-6.0	COVER SHEET	Drawing	CN-001	1/12/2011	3/10/2011	02/25/11			03/18/11	2/16/2011	3/25/2011	3/25/2011		5/20/2011	03/30/11
	NOTES, ABBREVIATIONS AND LEGENDS	Drawing	CN-002	1/12/2011	3/10/2011	02/25/11			03/18/11	2/16/2011	3/25/2011	3/25/2011		5/6/2011	03/30/11
CIVIL-1-7.0	Earthwork	Specification	901A				3/11/2011			2/9/2011	2/24/2011	2/21/2011		4/19/2011	7/1/2011
	Roads	Specification	902				3/11/2011			2/9/2011	2/28/2011	2/21/2011			3/25/2011
	Storm Drainage	Specification	905							2/8/2011	2/21/2011				3/11/2011
	URS MML EARTHWORK SPEC REVIEW LETTER	LETTER										4/19/2011			7/1/2011

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CIVIL-1-7.1	JENSEN PRECAST 5000PSI F!C CONCRETE MIX DESIGN		LOCKFORD 5000PSI			05/19/11		08/12/11							
	JENSEN PRECAST 5000PSI		JENSEN			05/19/11		08/12/11							
	MANHOLE JOINT SEALANT		MANHOLE			05/19/11		08/12/11							
	BOOT CONNECTORS		BOOT			05/19/11		08/12/11							
	48" DIA SDMH #301		ALT BID 48 SDMH			05/19/11		08/12/11							
	N-12 WT IB PIPE (PER ASTM F2648)		ADS N12			05/19/11		08/12/11							
	D&L PART # A-1024		A-1024			05/19/11		08/12/11							
	36X36X36 - REBAR DWG		36 X 36 X 36					08/12/11							
	48 MH 4 INCH REBAR		48 MH 4					08/12/11							
	48" DIA SDMH #302		48 #302					08/12/11							
	DRAIN INLET #303 - STRUCTURE DETAIL DWG		DRAIN INLET					08/12/11							
	DRAINAGE SUBMITTAL DRWGS - MARSH LANDING		DRAINAGE					08/12/11							
	NPC CORE AND SEAL BOOTS		NPC					08/12/11							
	R-3561 F & G		R-3561					08/12/11							
	~~36" DIA SDMH #301~~		~~36 SDMH~~			~~05/19/11~~									
	~~DROP INLETS~~		~~00 DRAIN INLETS~~			~~05/19/11~~									
CIVIL-1-8.0	SITE KEY PLAN	Drawing	CS-001	1/26/2011	3/10/2011	2/25/2011				3/3/2011	3/25/2011	3/25/2011		7/1/2011	4/6/2011
	SITE PLAN	Drawing	CS-019	1/26/2011	3/10/2011	2/25/2011				3/3/2011	3/25/2011	3/25/2011		7/1/2011	4/6/2011
	SITE PLAN	Drawing	CS-020	1/26/2011	3/10/2011	2/25/2011				3/3/2011	3/25/2011	3/25/2011		7/1/2011	4/6/2011
	SITE PLAN	Drawing	CS-021	1/26/2011	3/10/2011	2/25/2011				3/3/2011	3/25/2011	3/25/2011		7/1/2011	4/6/2011
	SITE PLAN	Drawing	CS-027	1/26/2011	3/10/2011	2/25/2011				3/3/2011	3/25/2011	3/25/2011		7/1/2011	4/6/2011
	SITE PLAN	Drawing	CS-028	1/26/2011	3/10/2011	2/25/2011				3/3/2011	3/25/2011	3/25/2011		7/1/2011	4/6/2011
	SITE PLAN	Drawing	CS-029	1/26/2011	3/10/2011	2/25/2011				3/3/2011	3/25/2011	3/25/2011		7/1/2011	4/6/2011
	SITE PLAN	Drawing	CS-030	1/26/2011	3/10/2011	2/25/2011				3/3/2011	3/25/2011	3/25/2011		7/1/2011	4/6/2011
	SITE PLAN	Drawing	CS-035	1/26/2011	3/10/2011	2/25/2011				3/3/2011	3/25/2011	3/25/2011		7/1/2011	4/6/2011
	SITE PLAN	Drawing	CS-036	1/26/2011	3/10/2011	2/25/2011				3/3/2011	3/25/2011	3/25/2011		7/1/2011	4/6/2011
	SITE PLAN	Drawing	CS-037	1/26/2011	3/10/2011	2/25/2011				3/3/2011	3/25/2011	3/25/2011		7/1/2011	4/6/2011
	SITE PLAN	Drawing	CS-044											7/1/2011	
	SITE DETAILS	Drawing	CD-001	1/26/2011	3/10/2011	2/25/2011				3/3/2011	3/25/2011	3/25/2011		5/6/2011	4/6/2011
	SURFACING DETAILS	Drawing	CD-021	1/26/2011	3/10/2011	2/25/2011				3/3/2011	3/25/2011	3/25/2011		5/6/2011	4/6/2011
	FENCING DETAILS	Drawing	CD-006	1/26/2011	3/10/2011					3/3/2011	4/7/2011	3/25/2011			4/6/2011
CIVIL-1-8.1	TYPICAL BIORETENTION FACILITY DETAILS	Drawing	CD-024									5/6/2011		6/28/2011	
CIVIL-1-8.2	BOLLARD KEY PLAN	Drawing	CM-001	1/26/2011	9/2/2011					3/4/2011	9/8/2011				
	BOLLARD PLAN	Drawing	CM-002		9/2/2011										
	BOLLARD PLAN	Drawing	CM-003		9/2/2011										
	BOLLARD PLAN	Drawing	CM-004		9/2/2011										
	BOLLARD PLAN	Drawing	CM-005		9/2/2011										
CIVIL-1-9.0	PRE-DEVELOPMENT DRAINAGE PLAN	Drawing	CM-006	1/28/2011	1/18/2011	02/18/11	3/15/2011			3/4/2011	3/18/2011	3/21/2011		6/28/2011	
	POST DEVELOPMENT DRAINAGE PLAN	Drawing	CM-007	1/28/2011	1/18/2011	02/18/11	3/15/2011			3/4/2011	3/18/2011	3/21/2011		6/28/2011	
CIVIL-1-10.0	STORM WATER DETAILS	Drawing	CD-016	1/26/2011	3/10/2011	2/18/2011	3/10/2011			3/3/2011	3/21/2011	3/21/2011		8/15/2011	3/25/2011
	STORM WATER DETAILS	Drawing	CD-017				3/10/2011			3/3/2011	3/21/2011	3/21/2011		8/15/2011	3/25/2011
CIVIL-1-11.0	STORM WATER PLAN	Drawing	CM-013	1/28/2011	1/18/2011	02/18/11	3/15/2011			3/2/2011	3/18/2011	3/21/2011		7/1/2011	
CIVIL-1-12.0	FENCING KEY PLAN	Drawing	CM-018	1/26/2011	03/10/11	2/25/2011			3/10/2011	3/3/2011	3/25/2011			8/11/2011	6/16/2011
CIVIL-1-13.0	SURFACING PLAN	Drawing	CM-023	1/26/2011	03/10/11	2/25/2011	3/15/2011			3/3/2011	3/25/2011	3/25/2011		5/20/2011	
	SURFACING PLAN	Drawing	CM-024									5/6/2011		7/1/2011	
CIVIL-1-13.1	TYPICAL BIORETENTION FACILITY DETAILS	Drawing	CD-025									5/20/2011		6/28/2011	
	BIORETENTION FACILITY SURFACING PLAN - FM APPROVAL NECESSARY	Drawing	CM-025									5/20/2011		6/28/2011	
CIVIL-1-14.0	STORM WATER CONTROL PLAN	MISC	C-02			2/18/2011	3/15/2011				3/18/2011	3/23/2011		6/28/2011	
CIVIL-1-15.0	DRAINAGE, EROSION AND SEDIMENT CONTROL PLAN	MISC	012D			2/18/2011	3/15/2011				3/18/2011	3/23/2011		5/27/2011	

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CIVIL-4-1.0	FINAL GRADING PLANS														
CIVIL-4-2.0	Final Stormwater Plan														
CIVIL-4-3.0	Final Erosion and Sediment Control Plans														
CIVIL-4-4.0	RESPONSIBLE ENGINEER STATEMENT														
ELEC-1-1.0	ELECTRICAL GROUNDING LAYOUT - AMMONIA STORAGE AREA	Drwg	EG-110	6/25/2011	6/25/2011	7/11/2011			7/25/2011	8/13/2011	8/13/2011	8/16/2011			9/2/2011
ELEC-1-2.0	ISOPHASE BUS DUCT SPECIFICATIONS	Spec	842A							3/23/2011	3/23/2011	3/23/2011			4/20/2011
ELEC-1-3.0	UNIT AUX TRANSFORMERS	Spec	800B						4/5/2011	6/1/2011	6/1/2011				REFERENCE
ELEC-1-3.1	4160V & 480V SWGR & MCCs; ELECTRICAL ENCLOSURE SPECIFICATIONS	Spec	830			3/28/2011				6/1/2011	6/1/2011				REFERENCE
ELEC-1-4.0	ELECTRICAL GROUNDING LAYOUT - INSTALLATION DETAILS	Drwg	EG-900	6/25/2011	6/25/2011	6/6/2011			6/15/2011	8/13/2011	8/13/2011	8/5/2011			8/10/2011
	ELECTRICAL GROUNDING LAYOUT - INSTALLATION DETAILS	Drwg	EG-901	6/25/2011	6/25/2011	6/6/2011			6/15/2011	8/13/2011	8/13/2011	8/5/2011			8/10/2011
	ELECTRICAL GROUNDING LAYOUT - INSTALLATION DETAILS	Drwg	EG-902	6/25/2011	6/25/2011					8/13/2011	8/13/2011	8/16/2011			
ELEC-1-4.1	ELECTRICAL GROUNDING LAYOUT - SCR CTG 1 AND 2 AREAS	Drwg	EG-220	6/25/2011	5/31/2011	07/11/11			7/25/2011	8/13/2011	8/13/2011	8/16/2011			9/2/2011
	ELECTRICAL GROUNDING LAYOUT - SCR CTG 2 AND 3 AREAS	Drwg	EG-230	6/25/2011	5/31/2011	07/11/11			7/25/2011	8/13/2011	8/13/2011	8/16/2011			9/2/2011
	ELECTRICAL GROUNDING LAYOUT- SCR AND CTG 4 AREA	Drwg	EG-240			07/11/11			7/25/2011			8/16/2011			9/2/2011
ELEC-1-5.0	ELECTRICAL COMMODITY SPECIFICATION	Spec	805	7/22/2011	4/13/2011	4/13/2011			5/5/2011						REFERENCE
ELEC-1-6.0	ELECTRICAL HAZARDOUS AREA CLASSIFICATION OVERALL PLAN	Drwg	EA-001	6/24/2011	6/24/2011	6/24/2011	7/12/2011			7/29/2011	7/29/2011	8/5/2011	8/26/2011	8/29/2011	
ELEC-1-7.0	ELECTRICAL GROUNDING LAYOUT SITE KEY PLAN	Drwg	EG-001	6/25/2011	6/25/2011	6/6/2011	6/15/2011			8/13/2011	8/13/2011	8/5/2011			
	ELECTRICAL GROUNDING SITE GROUNDING GRID LAYOUT	Drwg	EG-002	6/25/2011	6/25/2011	6/6/2011	6/15/2011			8/13/2011	8/13/2011	8/5/2011			
ELEC-1-8.0	GROUNDING ANALYSIS	Task	868	6/24/2011											
ELEC-1-8.1	GROUNDING SYSTEM CALC	Calc				5/24/2011			6/7/2011						
ELEC-1-9.0	ELECTRICAL EMBEDDED CONDUIT LAYOUT SITE KEY PLAN	Drwg	EC-001	6/25/2011	6/25/2011					8/13/2011	8/13/2011	7/15/2011		8/31/2011	9/8/2011
	ELECTRICAL EMBEDDED CONDUIT LAYOUT TYPICAL CTG CONDUIT ELEVATION 14'-9"	Drwg	EC-960A	6/25/2011	6/25/2011					8/13/2011	8/13/2011	7/15/2011			8/10/2011
	ELECTRICAL EMBEDDED CONDUIT LAYOUT TYPICAL CTG CONDUIT ELEVATION 14'-2"		EC-960B									7/15/2011			8/10/2011
	ELECTRICAL EMBEDDED CONDUIT LAYOUT TYPICAL CTG CONDUIT ELEVATION 13'-7"		EC-960C									7/15/2011			8/10/2011
	ELECTRICAL EMBEDDED CONDUIT LAYOUT TYPICAL CTG CONDUIT ELEVATION 11'-0", 10'-4 1/2" AND 9'-9"		EC-960D									7/15/2011			8/10/2011
ELEC-1-9.1	ELECTRICAL EMBEDDED CONDUIT LAYOUT WATER TREATMENT AREA	DRWG	EC-020			8/31/2011						8/31/2011			9/8/2011
ELEC-1-10.0	BATTERY & UPS SPECIFICATIONS	Spec	853							9/7/2011	9/7/2011				
ELEC-1-11.0	ELECTRICAL LEGEND	Drwg	EE-001	9/28/2011	9/28/2011					12/30/2011	12/30/2011	6/3/2011			6/15/2011
ELEC-1-11.1	ELECTRICAL GROUNDING LAYOUT - ADMINISTRATION CONTROL BUILDING AREA	Drwg	EG-120	6/25/2011	6/25/2011	7/11/2011			7/25/2011	9/24/2011		8/16/2011			9/2/2011
	ELECTRICAL GROUNDING LAYOUT - WATER TREATMENT AREA	Drwg	EG-020	6/25/2011	6/25/2011	7/11/2011			7/25/2011	9/24/2011		8/16/2011			9/2/2011
ELEC-1-11.2	ELECTRICAL LEGEND FOR ONE LINE DIAGRAMS	Drwg	EE-002	9/28/2011	9/28/2011					12/30/2011	12/30/2011				
ELEC-1-12.0	OVERALL ONE-LINE DIAGRAM	Drwg	EO-001	9/28/2011	9/28/2011					12/30/2011	12/30/2011				

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ELEC-1-12.1	METERING AND RELAYING ONE-LINE DIAGRAM GAS TURBINE GENERATOR UNIT 01	Drwg	EO-002	9/28/2011	9/28/2011	5/13/2011			5/20/2011	12/30/2011	12/30/2011				
	METERING AND RELAYING ONE-LINE DIAGRAM GAS TURBINE GENERATOR UNIT 02	Drwg	EO-003	9/28/2011	9/28/2011	5/13/2011			5/20/2011	12/30/2011	12/30/2011				
	METERING AND RELAYING ONE-LINE DIAGRAM GAS TURBINE GENERATOR UNIT 03	Drwg	EO-004	9/28/2011	9/28/2011	5/13/2011			5/20/2011	12/30/2011	12/30/2011				
	METERING AND RELAYING ONE-LINE DIAGRAM GAS TURBINE GENERATOR UNIT 04	Drwg	EO-005	9/28/2011	9/28/2011	5/13/2011			5/20/2011	12/30/2011	12/30/2011				
	METERING AND RELAYING ONE-LINE DIAGRAM UNIT AUXILIARY TRANSFORMERS 01 AND 02	Drwg	EO-006	9/28/2011	9/28/2011	5/13/2011			5/20/2011	12/30/2011	12/30/2011				
ELEC-1-12.2	ELECTRICAL ONE-LINE DIAGRAM SWGR-5KV-001	Drwg	EO-007	9/28/2011	9/28/2011					12/30/2011	12/30/2011				
	ELECTRICAL ONE-LINE DIAGRAM MCC-5KV-001A	Drwg	EO-008	9/28/2011	9/28/2011					12/30/2011	12/30/2011				
	ELECTRICAL ONE-LINE DIAGRAM MCC-5KV-001B	Drwg	EO-009	9/28/2011	9/28/2011					12/30/2011	12/30/2011				
	ELECTRICAL ONE-LINE DIAGRAM SWGR-480V-001	Drwg	EO-011	9/28/2011	9/28/2011					12/30/2011	12/30/2011				
	ELECTRICAL ONE-LINE DIAGRAM 480V MCC-CTG-101	Drwg	EO-012	9/28/2011	9/28/2011					12/30/2011	12/30/2011				
	ELECTRICAL ONE-LINE DIAGRAM 480V MCC-CTG-102	Drwg	EO-013	9/28/2011	9/28/2011					12/30/2011	12/30/2011				
	ELECTRICAL ONE-LINE DIAGRAM 480V MCC-CTG-201	Drwg	EO-014	9/28/2011	9/28/2011					12/30/2011	12/30/2011				
	ELECTRICAL ONE-LINE DIAGRAM 480V MCC-CTG-202	Drwg	EO-015	9/28/2011	9/28/2011					12/30/2011	12/30/2011				
	ELECTRICAL ONE-LINE DIAGRAM 480V MCC-CTG-301	Drwg	EO-016	9/28/2011	9/28/2011					12/30/2011	12/30/2011				
	ELECTRICAL ONE-LINE DIAGRAM 480V MCC-CTG-302	Drwg	EO-017	9/28/2011	9/28/2011					12/30/2011	12/30/2011				
	ELECTRICAL ONE-LINE DIAGRAM 480V MCC-CTG-401	Drwg	EO-018	9/28/2011	9/28/2011					12/30/2011	12/30/2011				
	ELECTRICAL ONE-LINE DIAGRAM 480V MCC-CTG-402	Drwg	EO-019	9/28/2011	9/28/2011					12/30/2011	12/30/2011				
	ELECTRICAL ONE-LINE DIAGRAM 480V MCC-WT-001A	Drwg	EO-020	9/28/2011	9/28/2011					12/30/2011	12/30/2011				
	ELECTRICAL ONE-LINE DIAGRAM 480V MCC-WT-001B	Drwg	EO-021	9/28/2011	9/28/2011					12/30/2011	12/30/2011				
	ELECTRICAL ONE-LINE DIAGRAM 480V MCC-BOP-001A	Drwg	EO-022	9/28/2011	9/28/2011					12/30/2011	12/30/2011				
	ELECTRICAL ONE-LINE DIAGRAM 480V MCC-BOP-001B	Drwg	EO-023	9/28/2011	9/28/2011					12/30/2011	12/30/2011				
ELEC-1-13.0	ELECTRICAL GROUNDING LAYOUT - RAW WATER STORAGE AREA	Drwg	EG-010	6/25/2011	6/25/2011					11/15/2011	8/13/2011	8/16/2011			9/2/2011
	ELECTRICAL GROUNDING LAYOUT - FUEL GAS COMPRESSORS	Drwg	EG-030	6/25/2011	6/25/2011	7/11/2011				11/15/2011	8/13/2011	8/16/2011			9/2/2011
	ELECTRICAL GROUNDING LAYOUT - FUEL GAS STACK 2 AND 3 AREAS	Drwg	EG-130	6/25/2011	6/25/2011	7/11/2011				11/15/2011	8/13/2011	8/16/2011			9/2/2011
	ELECTRICAL GROUNDING LAYOUT- STACK 4 AND YARD AREA	Drwg	EG-140			7/11/2011						8/16/2011			9/2/2011
ELEC-1-14.0	~~ELECTRICAL GROUNDING LAYOUT - GSU 101 AREA~~	~~Drwg~~	~~EG-310~~	~~6/25/2011~~	~~6/25/2011~~										
	ELECTRICAL GROUNDING LAYOUT - GSU 1 AND 2 AND SWITCHYARD AREA	Drwg	EG-320	10/29/2011	6/25/2011	7/11/2011			7/25/2011	8/13/2011	8/13/2011	8/16/2011			9/2/2011
	ELECTRICAL GROUNDING LAYOUT - AUX TRANSFORMER GSU 3 AND SWITCHYARD AREA	Drwg	EG-330	10/29/2011	6/25/2011	7/11/2011			7/25/2011	8/13/2011	8/13/2011	8/16/2011			9/2/2011
	ELECTRICAL GROUNDING LAYOUT- GSU 4 AND SWITCHYARD AREA	Drwg	EG-340			7/11/2011			7/25/2011			8/16/2011			9/2/2011
ELEC-1-15.0	ELECTRICAL LIGHTNING PROTECTION SITE KEY PLAN	Drwg	EGL-001	2/3/2012	2/3/2012					3/9/2012	3/9/2012				
	ELECTRICAL LIGHTNING PROTECTION LAYOUT - YARD AREA	Drwg	EGL-010	2/3/2012	2/3/2012					3/9/2012	3/9/2012				
	ELECTRICAL LIGHTNING PROTECTION LAYOUT - ADMIN BUILDING AREA	Drwg	EGL-020	2/3/2012	2/3/2012					3/9/2012	3/9/2012				
	ELECTRICAL LIGHTNING PROTECTION LAYOUT - YARD AREA	Drwg	EGL-030	2/3/2012	2/3/2012					3/9/2012	3/9/2012				
	ELECTRICAL LIGHTNING PROTECTION LAYOUT - AMMONA STORAGE AREA	Drwg	EGL-110	2/3/2012	2/3/2012					3/9/2012	3/9/2012				
	ELECTRICAL LIGHTNING PROTECTION LAYOUT - WATER TREATMENT AREA	Drwg	EGL-120	2/3/2012	2/3/2012					3/9/2012	3/9/2012				
	ELECTRICAL LIGHTNING PROTECTION LAYOUT - YARD AREA	Drwg	EGL-130	2/3/2012	2/3/2012					3/9/2012	3/9/2012				
	ELECTRICAL LIGHTNING PROTECTION LAYOUT - CTG 101 AREA	Drwg	EGL-210	2/3/2012	2/3/2012					3/9/2012	3/9/2012				
	ELECTRICAL LIGHTNING PROTECTION LAYOUT - CTG 101/201 AREA	Drwg	EGL-220	2/3/2012	2/3/2012					3/9/2012	3/9/2012				
	ELECTRICAL LIGHTNING PROTECTION LAYOUT - CTG 301/404 AREA	Drwg	EGL-230	2/3/2012	2/3/2012					3/9/2012	3/9/2012				
	ELECTRICAL LIGHTNING PROTECTION LAYOUT - GSU 101 AREA	Drwg	EGL-310	2/3/2012	2/3/2012					3/9/2012	3/9/2012				
	ELECTRICAL LIGHTNING PROTECTION LAYOUT - GSU 201/SWITCHYARD AREA	Drwg	EGL-320	2/3/2012	2/3/2012					3/9/2012	3/9/2012				
	ELECTRICAL LIGHTNING PROTECTION LAYOUT - GSU 301/401/SWITCHYARD AREA	Drwg	EGL-330	2/3/2012	2/3/2012					3/9/2012	3/9/2012				
	ELECTRICAL LIGHTNING PROTECTION LAYOUT - DEAD END TOWER AREA	Drwg	EGL-440	2/3/2012	2/3/2012					3/9/2012	3/9/2012				
	ELECTRICAL LIGHTNING PROTECTION LAYOUT - DEAD END TOWER AREA	Drwg	EGL-450	2/3/2012	2/3/2012					3/9/2012	3/9/2012				
	ELECTRICAL LIGHTNING PROTECTION LAYOUT - INSTALLATION DETAILS	Drwg	EGL-900	2/3/2012	2/3/2012					3/9/2012	3/9/2012				
	ELECTRICAL LIGHTNING PROTECTION LAYOUT - INSTALLATION DETAILS	Drwg	EGL-901	2/3/2012	2/3/2012					3/9/2012	3/9/2012				
	ELECTRICAL LIGHTNING PROTECTION LAYOUT - INSTALLATION DETAILS	Drwg	EGL-902	2/3/2012	2/3/2012					3/9/2012	3/9/2012				
ELEC-1-16.0															
	ELECTRICAL LIGHTING SITE KEY PLAN	Drwg	EL-001	2/4/2012	2/4/2012					2/1/2012					
	ELECTRICAL LIGHTING SITE LIGHTING LAYOUT	Drwg	EL-002	2/4/2012	2/4/2012					2/1/2012					
	ELECTRICAL LIGHTING LAYOUT - YARD AREA	Drwg	EL-010	2/4/2012	2/4/2012					2/1/2012					
	ELECTRICAL LIGHTING LAYOUT - WATER TREATMENT AREA	Drwg	EL-020	2/4/2012	2/4/2012					2/1/2012					

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	ELECTRICAL LIGHTING LAYOUT - YARD AREA	Drwg	EL-030	2/4/2012	2/4/2012					2/1/2012					
	ELECTRICAL LIGHTING LAYOUT - AMMONA STORAGE AREA	Drwg	EL-110	2/4/2012	2/4/2012					2/1/2012					
	ELECTRICAL LIGHTING LAYOUT - ADMINISTRATION BUILDING AREA	Drwg	EL-120	2/4/2012	2/4/2012					2/1/2012					
	ELECTRICAL LIGHTING LAYOUT - YARD AREA	Drwg	EL-130	2/4/2012	2/4/2012					2/1/2012					
	ELECTRICAL LIGHTING LAYOUT - CTG 101 AREA	Drwg	EL-210	2/4/2012	2/4/2012					2/1/2012					
	ELECTRICAL LIGHTING LAYOUT - CTG 101/201 AREA	Drwg	EL-220	2/4/2012	2/4/2012					2/1/2012					
	ELECTRICAL LIGHTING LAYOUT - CTG 301/404 AREA	Drwg	EL-230	2/4/2012	2/4/2012					2/1/2012					
	ELECTRICAL LIGHTING LAYOUT - GSU 101 AREA	Drwg	EL-310	2/4/2012	2/4/2012					2/1/2012					
	ELECTRICAL LIGHTING LAYOUT - GSU 201/SWITCHYARD AREA	Drwg	EL-320	2/4/2012	2/4/2012					2/1/2012					
	ELECTRICAL LIGHTING LAYOUT - GSU 301/401/SWITCHYARD AREA	Drwg	EL-330	2/4/2012	2/4/2012					2/1/2012					
	ELECTRICAL LIGHTING LAYOUT - DEAD END TOWER AREA	Drwg	EL-440	2/4/2012	2/4/2012					2/1/2012					
	ELECTRICAL LIGHTING LAYOUT - DEAD END TOWER AREA	Drwg	EL-450	2/4/2012	2/4/2012					2/1/2012					
	ELECTRICAL LIGHTING LAYOUT - LUMINAIRE SCHEDULE	Drwg	EL-900	2/4/2012	2/4/2012					2/1/2012					
	ELECTRICAL LIGHTING LAYOUT - INSTALLATION DETAILS	Drwg	EL-901	2/4/2012	2/4/2012					2/1/2012					
	ELECTRICAL LIGHTING LAYOUT - INSTALLATION DETAILS	Drwg	EL-902	2/4/2012	2/4/2012					2/1/2012					
ELEC-1-17.0	ELECTRICAL DUCT BANK LAYOUT SITE KEY PLAN	Drwg	ED-001			6/6/2011			6/15/2011			8/3/2011			8/10/2011
	ELECTRICAL DUCT BANK LAYOUT - YARD AREA	Drwg	ED-010			6/6/2011			6/15/2011			8/3/2011		8/30/2011	9/8/2011
	ELECTRICAL DUCT BANK LAYOUT - WATER TREATMENT AREA	Drwg	ED-020			6/6/2011			6/15/2011			8/3/2011		8/30/2011	9/8/2011
	ELECTRICAL DUCT BANK LAYOUT - YARD AREA	Drwg	ED-030			6/6/2011			6/15/2011			8/3/2011		8/30/2011	9/8/2011
	ELECTRICAL DUCT BANK LAYOUT - AMMONA STORAGE AREA	Drwg	ED-110			6/6/2011			6/15/2011			8/3/2011		8/30/2011	9/8/2011
	ELECTRICAL DUCT BANK LAYOUT ADMINISTRATION AND CONTROL BUILDINGS, STACKS 1 AND 2	Drwg	ED-120			6/6/2011			6/15/2011			8/3/2011		8/30/2011	9/8/2011
	ELECTRICAL DUCT BANK LAYOUT FUEL GAS AND STACKS 2 AND 3 AREAS	Drwg	ED-130			6/6/2011			6/15/2011			8/3/2011		8/30/2011	9/8/2011
	ELECTRICAL DUCT BANK LAYOUT STACK 4 AND YARD AREA	DWG	ED-140			6/6/2011			6/15/2011			8/3/2011		8/30/2011	9/8/2011
	ELECTRICAL DUCT BANK LAYOUT GSU 1 AND 2 AND SWITCHYARD AREA	Drwg	ED-320			6/6/2011			6/15/2011			8/12/2011		9/8/2011	9/2/2011
	ELECTRICAL DUCT BANK LAYOUT GSU 2 AND 3 AND SWITCHYARD AREA	Drwg	ED-330			6/6/2011			6/15/2011			8/12/2011		9/8/2011	9/8/2011
	ELECTRICAL DUCT BANK LAYOUT GSU 4 AND SWITCHYARD AREA	DWG	ED-340			6/6/2011			6/15/2011			8/12/2011		9/8/2011	9/8/2011
	ELECTRICAL DUCT BANK DETAILS	Drwg	ED-900			6/6/2011			6/15/2011			8/12/2011			9/8/2011
	ELECTRICAL DUCT BANK DETAILS	Drwg	ED-901			6/6/2011			6/15/2011			8/3/2011			8/10/2011
	ELECTRICAL DUCT BANK DETAILS SFC/SEE PACKAGE 01 AND 02	Drwg	ED-902			6/6/2011			6/15/2011			8/12/2011			9/8/2011
	ELECTRICAL DUCT BANK DETAILS SFC/SEE PACKAGE 03 AND 04	Drwg	ED-903			6/6/2011			6/15/2011			8/12/2011			9/8/2011
	ELECTRICAL DUT BANK LAYOUT FUEL GAS COMPRESSOR AREA	Drwg	ED-904									8/3/2011			8/10/2011
ELEC-1-17.1	ELECTRICAL DUCT BANK LAYOUT WELL PUMP AREA	Drwg	ED-002			4/14/2011	5/5/2011					5/11/2011	6/15/2011	6/3/2011	7/1/2011
ELEC-1-17.2	ELECTRICAL DUCT BANK LAYOUT GAS METERING AREA	Drwg	ED-003			04/19/11						05/18/11		08/12/11	09/08/11
ELEC-1-17.3	ELECTRICAL DUCT BANK LAYOUT - CTG 1 AND 2 AREA	Drwg	ED-220		5/31/2011	6/6/2011			6/15/2011			8/3/2011		8/30/2011	9/8/2011
	ELECTRICAL DUCT BANK LAYOUT - CTG 3 AND 4 AREA	Drwg	ED-230		5/31/2011	6/6/2011			6/15/2011			8/3/2011		8/30/2011	9/8/2011
	ELECTRICAL DUCT BANK LAYOUT- SCR/CTG 4 AREA	DWG	ED-240			06/06/11			6/15/2011			8/3/2011		8/30/2011	9/8/2011
ELEC-1-17.4	ELECTRICAL DUCT BANK LAYOUT - DEAD END TOWER AREA	Drwg	ED-440												
	ELECTRICAL DUCT BANK LAYOUT - DEAD END TOWER AREA	Drwg	ED-450												
~~**ELEC-1-17.5**~~	~~ELECTRICAL DUCT BANK LAYOUT - GSU 1 AREA~~	~~Drwg~~	~~ED-310~~												
MECH-1-1.0	LINE LIST	Misc	075B							08/19/11	08/19/11				
MECH-1-2.0	PIPE CODE	Misc	075F							08/19/11	08/19/11				
MECH-1-3.0	FIRE PROTECTION SYSTEM	Spec	530							10/15/11	10/15/11				
MECH-1-4.0	UG FIREWATER LOOP	Spec	531							07/27/11	08/03/11				
MECH-1-5.0	MECHANICAL COMMODITIES	TSpc	600		3/28/2011	3/28/2011			04/05/11	08/24/11	04/25/11	04/25/11			REFERENCE
MECH-1-5.1	WELL WATER PUMPS	Spec	565		4/11/2011	3/30/2011	4/20/2011				05/09/11				REFERENCE
MECH-1-6.0	SMALL BORE FABRICATION ISOMETRIC AQUEOUS AMMONIA	Drwg	AQA500-1							12/08/11	12/08/11				
	SMALL BORE FABRICATION ISOMETRIC AQUEOUS AMMONIA	Drwg	AQA501-1							12/08/11	12/08/11				
	SMALL BORE FABRICATION ISOMETRIC AQUEOUS AMMONIA	Drwg	AQA502-1							12/08/11	12/08/11				

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	SMALL BORE FABRICATION ISOMETRIC AQUEOUS AMMONIA	Drwg	AQA503-1							12/08/11	12/08/11				
	SMALL BORE FABRICATION ISOMETRIC AQUEOUS AMMONIA	Drwg	AQA504-1							12/08/11	12/08/11				
	SMALL BORE FABRICATION ISOMETRIC AQUEOUS AMMONIA	Drwg	AQA505-1							12/08/11	12/08/11				
	SMALL BORE FABRICATION ISOMETRIC AQUEOUS AMMONIA	Drwg	AQA506-1							12/08/11	12/08/11				
	SMALL BORE FABRICATION ISOMETRIC AQUEOUS AMMONIA	Drwg	AQA507-1							12/08/11	12/08/11				
	SMALL BORE FABRICATION ISOMETRIC AQUEOUS AMMONIA	Drwg	AQA508-1							12/08/11	12/08/11				
	SMALL BORE FABRICATION ISOMETRIC AQUEOUS AMMONIA	Drwg	AQA509-1							12/08/11	12/08/11				
MECH-1-7.0	MECHANICAL UNDERGROUND BUILDING PIPING CONTROL ROOM AND WAREHOUSE	Drwg	BP-001A	07/27/11	07/27/11					09/07/11	09/07/11				
	MECHANICAL UNDERGROUND BUILDING PIPING WATER TREATMENT	Drwg	BP-002A	07/27/11	07/27/11					09/07/11	09/07/11				
MECH-1-8.0	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP100-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP101-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP102-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP103-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP104-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP105-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP106-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP107-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP108-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP109-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP110-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP111-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP112-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP113-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP114-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP115-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP116-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP117-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP118-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP119-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP120-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP121-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP122-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP123-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP124-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP125-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP126-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP127-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP128-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP129-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP130-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP131-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP132-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP133-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP134-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP135-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP136-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP137-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP138-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP139-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP140-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP141-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP142-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP143-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP144-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP145-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP146-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP147-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP148-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP149-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP150-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP151-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP152-1	08/25/11	08/25/11					09/27/11	09/27/11				

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	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP153-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP154-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP155-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP156-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP157-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP158-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP159-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP160-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP161-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP162-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP163-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP164-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP165-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP166-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP167-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP168-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP169-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP170-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP171-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP172-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP173-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP174-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP175-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP176-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP177-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP178-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP179-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP180-1	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC COMBUSTION TURBINE PIPING	Drwg	CTP181-1	08/25/11	08/25/11					09/27/11	09/27/11				
MECH-1-9.0	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	Drwg	CTP500-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	Drwg	CTP501-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	Drwg	CTP502-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	Drwg	CTP503-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	Drwg	CTP504-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	Drwg	CTP505-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	Drwg	CTP506-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	Drwg	CTP507-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	Drwg	CTP508-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	Drwg	CTP509-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	Drwg	CTP510-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	Drwg	CTP511-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	Drwg	CTP512-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	Drwg	CTP513-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	Drwg	CTP514-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	Drwg	CTP515-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	Drwg	CTP516-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	Drwg	CTP517-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	Drwg	CTP518-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	Drwg	CTP519-1							12/06/11	12/06/11				

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	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	Drwg	CTP520-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	Drwg	CTP521-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	Drwg	CTP522-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	Drwg	CTP523-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	Drwg	CTP524-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	Drwg	CTP525-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	Drwg	CTP526-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	Drwg	CTP527-1							12/06/11	12/06/11				
MECH-1-10.0	LARGE BORE FABRICATION ISOMETRIC DWS - DEMINERALIZED WATER	Drwg	DWS100-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMINERALIZED WATER	Drwg	DWS101-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMINERALIZED WATER	Drwg	DWS102-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMINERALIZED WATER	Drwg	DWS103-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMINERALIZED WATER	Drwg	DWS104-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMINERALIZED WATER	Drwg	DWS105-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMINERALIZED WATER	Drwg	DWS106-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMINERALIZED WATER	Drwg	DWS107-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMINERALIZED WATER	Drwg	DWS108-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMINERALIZED WATER	Drwg	DWS109-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMINERALIZED WATER	Drwg	DWS110-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMINERALIZED WATER	Drwg	DWS111-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMINERALIZED WATER	Drwg	DWS112-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMINERALIZED WATER	Drwg	DWS113-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMINERALIZED WATER	Drwg	DWS114-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMINERALIZED WATER	Drwg	DWS115-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMINERALIZED WATER	Drwg	DWS116-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMINERALIZED WATER	Drwg	DWS117-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMINERALIZED WATER	Drwg	DWS118-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMINERALIZED WATER	Drwg	DWS119-1	11/11/11	11/11/11					12/14/11	12/14/11				
MECH-1-11.0	SMALL BORE FABRICATION ISOMETRIC DWS - DEMINERALIZED WATER	Drwg	DWS500-1							12/16/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC DWS - DEMINERALIZED WATER	Drwg	DWS501-1							12/16/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC DWS - DEMINERALIZED WATER	Drwg	DWS502-1							12/16/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC DWS - DEMINERALIZED WATER	Drwg	DWS503-1							12/16/11	12/06/11				
MECH-1-12.0	LARGE BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT100-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT101-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT102-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT103-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT104-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT105-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT106-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT107-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT108-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT109-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT110-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT111-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT112-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT113-1	11/11/11	11/11/11					12/14/11	12/14/11				

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	LARGE BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT114-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT115-1	11/11/11	11/11/11					12/14/11	12/14/11				
	LARGE BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT116-1	11/11/11	11/11/11					12/14/11	12/14/11				
MECH-1-13.0	SMALL BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT500-1							12/20/11	12/20/11				
	SMALL BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT501-1							12/20/11	12/20/11				
	SMALL BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT502-1							12/20/11	12/20/11				
	SMALL BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT503-1							12/20/11	12/20/11				
	SMALL BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT504-1							12/20/11	12/20/11				
	SMALL BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT505-1							12/20/11	12/20/11				
	SMALL BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT506-1							12/20/11	12/20/11				
	SMALL BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT507-1							12/20/11	12/20/11				
	SMALL BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT508-1							12/20/11	12/20/11				
	SMALL BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT509-1							12/20/11	12/20/11				
	SMALL BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT510-1							12/20/11	12/20/11				
	SMALL BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT511-1							12/20/11	12/20/11				
	SMALL BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT512-1							12/20/11	12/20/11				
	SMALL BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT513-1							12/20/11	12/20/11				
	SMALL BORE FABRICATION ISOMETRIC DWT - DEMINERALIZED WATER TREATMENT	Drwg	DWT514-1							12/20/11	12/20/11				
MECH-1-14.0	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG100-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG101-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG102-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG103-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG104-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG105-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG106-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG107-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG108-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG109-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG110-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG111-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG112-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG113-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG114-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG115-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG116-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG117-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG118-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG119-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG120-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG121-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG122-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG123-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG124-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG125-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG126-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG127-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG128-1	10/13/11	10/13/11					11/15/11	11/15/11				

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	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG129-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG130-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG131-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG132-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG133-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG134-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG135-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG136-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG137-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG138-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG139-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG140-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG141-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG142-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG143-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG144-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG145-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG146-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG147-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG148-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG149-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG150-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FLG - FUEL GAS	Drwg	FLG151-1	10/13/11	10/13/11					11/15/11	11/15/11				
MECH-1-15.0	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG500-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG501-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG502-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG503-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG504-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG505-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG506-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG507-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG508-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG509-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG510-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG511-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG512-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG513-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG514-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG515-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG516-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG517-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG518-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG519-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG520-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG521-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG522-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG523-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG524-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG525-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG526-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG527-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG528-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG529-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG530-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG531-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG532-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG533-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG534-1							12/10/11	12/10/11				

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	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG535-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG536-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG537-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG538-1							12/10/11	12/10/11				
	SMALL BORE FABRICATION ISOMETRIC FLG - FUEL GAS PIPING	Drwg	FLG539-1							12/10/11	12/10/11				
MECH-1-16.0	LARGE BORE FABRICATION ISOMETRIC FPS - FIRE PROTECTION PIPING	Drwg	FPS100-1	08/16/11	08/16/11					09/19/11	09/19/11				
	LARGE BORE FABRICATION ISOMETRIC FPS - FIRE PROTECTION PIPING	Drwg	FPS101-1	08/16/11	08/16/11					09/19/11	09/19/11				
	LARGE BORE FABRICATION ISOMETRIC FPS - FIRE PROTECTION PIPING	Drwg	FPS102-1	08/16/11	08/16/11					09/19/11	09/19/11				
	LARGE BORE FABRICATION ISOMETRIC FPS - FIRE PROTECTION PIPING	Drwg	FPS103-1	08/16/11	08/16/11					09/19/11	09/19/11				
	LARGE BORE FABRICATION ISOMETRIC FPS - FIRE PROTECTION PIPING	Drwg	FPS104-1	08/16/11	08/16/11					09/19/11	09/19/11				
	LARGE BORE FABRICATION ISOMETRIC FPS - FIRE PROTECTION PIPING	Drwg	FPS105-1	08/16/11	08/16/11					09/19/11	09/19/11				
	LARGE BORE FABRICATION ISOMETRIC FPS - FIRE PROTECTION PIPING	Drwg	FPS106-1	08/16/11	08/16/11					09/19/11	09/19/11				
	LARGE BORE FABRICATION ISOMETRIC FPS - FIRE PROTECTION PIPING	Drwg	FPS107-1	08/16/11	08/16/11					09/19/11	09/19/11				
MECH-1-17.0	GENERAL ARRANGEMENT KEYPLAN	Drwg	GA-000	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	Drwg	GA-020	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	Drwg	GA-060	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	Drwg	GA-070	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	Drwg	GA-080	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	Drwg	GA-090	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	Drwg	GA-100	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	Drwg	GA-110	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	Drwg	GA-120	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	Drwg	GA-130	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	Drwg	GA-140	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	Drwg	GA-150	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	Drwg	GA-160	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	Drwg	GA-170	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	Drwg	GA-180	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	Drwg	GA-280	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	Drwg	GA-290	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	Drwg	GA-300	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	Drwg	GA-310	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	Drwg	GA-320	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	Drwg	GA-330	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	Drwg	GA-340	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	Drwg	GA-350	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	Drwg	GA-360	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	Drwg	GA-370	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	Drwg	GA-380	09/24/11	09/24/11					11/05/11	11/05/11				
MECH-1-18.0	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	Drwg	INA100-1	09/13/11	09/13/11					10/17/11	10/17/11				
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	Drwg	INA101-1	09/13/11	09/13/11					10/17/11	10/17/11				
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	Drwg	INA102-1	09/13/11	09/13/11					10/17/11	10/17/11				
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	Drwg	INA103-1	09/13/11	09/13/11					10/17/11	10/17/11				
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	Drwg	INA104-1	09/13/11	09/13/11					10/17/11	10/17/11				
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	Drwg	INA105-1	09/13/11	09/13/11					10/17/11	10/17/11				
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	Drwg	INA106-1	09/13/11	09/13/11					10/17/11	10/17/11				
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	Drwg	INA107-1	09/13/11	09/13/11					10/17/11	10/17/11				
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	Drwg	INA108-1	09/13/11	09/13/11					10/17/11	10/17/11				
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	Drwg	INA109-1	09/13/11	09/13/11					10/17/11	10/17/11				
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	Drwg	INA110-1	09/13/11	09/13/11					10/17/11	10/17/11				
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	Drwg	INA111-1	09/13/11	09/13/11					10/17/11	10/17/11				
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	Drwg	INA112-1	09/13/11	09/13/11					10/17/11	10/17/11				
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	Drwg	INA113-1	09/13/11	09/13/11					10/17/11	10/17/11				
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	Drwg	INA114-1	09/13/11	09/13/11					10/17/11	10/17/11				
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	Drwg	INA115-1	09/13/11	09/13/11					10/17/11	10/17/11				
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	Drwg	INA116-1	09/13/11	09/13/11					10/17/11	10/17/11				
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	Drwg	INA117-1	09/13/11	09/13/11					10/17/11	10/17/11				

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MECH-1-19.0	MECHANICAL STANDARD PIPING LEGEND	Drwg	LG-001	07/26/11	07/26/11					09/06/11	09/06/11	5/12/2011		8/16/2011	5/24/2011
	MECHANICAL DETAILS VENTS & DRAINS	Drwg	MD-110	07/26/11	07/26/11					09/06/11	09/06/11				
MECH-1-20.0	MECHANICAL UNDERGROUND PIPING DETAILS	Drwg	MD-001	07/26/11	07/26/11	4/12/2011	5/5/2011			09/06/11	09/06/11	5/12/2011		5/17/2011	5/24/2011
MECH-1-20.1	MECHANICAL UNDERGROUND PIPING DETAILS	Drwg	MD-002	07/26/11	07/26/11					09/06/11	09/06/11				
MECH-1-21.0	MECHANICAL ABOVE GROUND PIPING DETAILS	Drwg	MD-100	11/10/11	11/10/11					01/20/12	01/20/12				
MECH-1-22.0	MECHANICAL STANDARD COLD PIPE SUPPORT DETAILS LATERAL SEISMIC FORCE = 0.4 DEAD LOAD	Drwg	MD-210	11/10/11	11/10/11					01/20/12	01/20/12				
	MECHANICAL STANDARD COLD PIPE SUPPORT DETAILS LATERAL SEISMIC FORCE = 0.4 DEAD LOAD	Drwg	MD-211	11/10/11	11/10/11					01/20/12	01/20/12				
	MECHANICAL STANDARD COLD PIPE SUPPORT DETAILS LATERAL SEISMIC FORCE = 0.4 DEAD LOAD	Drwg	MD-212	11/10/11	11/10/11					01/20/12	01/20/12				
	MECHANICAL STANDARD COLD PIPE SUPPORT DETAILS LATERAL SEISMIC FORCE = 0.4 DEAD LOAD	Drwg	MD-213	11/10/11	11/10/11					01/20/12	01/20/12				
	MECHANICAL STANDARD COLD PIPE SUPPORT DETAILS LATERAL SEISMIC FORCE = 0.4 DEAD LOAD	Drwg	MD-214	11/10/11	11/10/11					01/20/12	01/20/12				
MECH-1-23.0	MECHANICAL STANDARD COLD SMALL BORE PIPE SUPPORT DETAILS	Drwg	MD-220	11/10/11	11/10/11					01/20/12	01/20/12				
MECH-1-24.0	PLOT PLAN (REFERENCE)	Drwg	PP-001			6/24/2011			7/1/2011	02/18/11	2/18/2011				
MECH-1-25.0	PIPING AND INSTRUMENTATION DIAGRAM KPE DRAWING INDEX	Drwg	PS-000			7/7/2011			7/25/2011	08/19/11	08/19/11				
	~~PIPING AND INSTRUMENTATION DIAGRAM KPE DRAWING INDEX~~	~~Drwg~~	~~PS-001~~			~~7/7/2011~~				~~08/19/11~~	~~08/19/11~~				
MECH-1-26.0	PIPING AND INSTRUMENTATION DIAGRAM DRAWING LEGEND	Drwg	PS-010	06/10/11		7/7/2011			7/25/2011	08/19/11					
	PIPING AND INSTRUMENTATION DIAGRAM DRAWING LEGEND	Drwg	PS-011	06/10/11		7/7/2011			7/25/2011	08/19/11					
MECH-1-27.0	PIPING AND INSTRUMENTATION DIAGRAM CTP - MISCELLANEOUS COMBUSTION TURBINE PIPING	Drwg	PS-330	05/19/11	05/19/11	7/7/2011			7/25/2011	07/28/11	07/28/11				
	PIPING AND INSTRUMENTATION DIAGRAM CTP - MISCELLANEOUS COMBUSTION TURBINE PIPING	Drwg	PS-331	05/19/11	05/19/11	7/7/2011			7/25/2011	07/28/11	07/28/11				
	PIPING AND INSTRUMENTATION DIAGRAM CTP - MISCELLANEOUS COMBUSTION TURBINE PIPING	Drwg	PS-332	05/19/11	05/19/11	7/7/2011			7/25/2011	07/28/11	07/28/11				
	PIPING AND INSTRUMENTATION DIAGRAM CTP - MISCELLANEOUS COMBUSTION TURBINE PIPING	Drwg	PS-333	05/19/11	05/19/11	7/7/2011			7/25/2011	07/28/11	07/28/11				
MECH-1-27.1	GAS TURBINE AXULIARIES P AND ID	V Drwg	201-PD-0002-01			7/8/2011			7/29/2011						
	ENGINEERING SPECIFICATION CUSTOMER PIPING CONNECTION PROCESS INFORMATION	V Drwg	201-SP-0014-001			7/8/2011			7/29/2011						
	CT DRAIN TANK DETAIL DRAWING	V Drwg	441-ME-0004-01			7/8/2011			7/29/2011						
MECH-1-28.0	PIPING AND INSTRUMENTATION DIAGRAM RWS - RAW WATER	Drwg	PS-360	05/25/11	05/25/11	7/7/2011	7/28/2011			08/03/11	08/03/11				
MECH-1-28.1	RAW WATER GENERAL ARRANGEMENT DRAWING	V Drwg	550-GA-0003-01			7/7/2011			7/28/2011						
MECH-1-29.0	PIPING AND INSTRUMENTATION DIAGRAM SWT - SERVICE WATER TREATMENT	Drwg	PS-375	05/25/11	05/25/11	7/7/2011			7/25/2011	08/03/11	08/03/11				
	PIPING AND INSTRUMENTATION DIAGRAM SWT - SERVICE WATER TREATMENT	Drwg	PS-376	05/25/11	05/25/11	7/7/2011			7/25/2011	08/03/11	08/03/11				
	PIPING AND INSTRUMENTATION DIAGRAM SWT - SERVICE WATER TREATMENT	Drwg	PS-377	05/25/11	05/25/11	7/7/2011			7/25/2011	08/03/11	08/03/11				
MECH-1-29.1	PROCESS AND INSTRUMENTATION DIAGRAM UF FEED SKID	V Drwg	401-PD-0001-01			7/7/2011			7/25/2011						
	PROCESS AND INSTRUMENTATION DIAGRAM UF BREAK TANK	V Drwg	401-PD-0005-01			7/7/2011			7/25/2011						
	PROCESS AND INSTRUMENTATION DIAGRAM UF FORWARDING SKID	V Drwg	401-PD-0007-01			7/7/2011			7/25/2011						
	PROCESS AND INSTRUMENTATION DIAGRAM REVERSE OSMOSIS UNITS	V Drwg	401-PD-0009-01			7/7/2011			7/25/2011						
	PROCESS AND INSTRUMENTATION DIAGRAM UF BACKWASH SKID	V Drwg	401-PD-0006-01			7/7/2011			7/25/2011						
	PROCESS AND INSTRUMENTATION DIAGRAM UF MAIN SKID	V Drwg	401-PD-0002-01			7/7/2011			7/25/2011						
	PROCESS AND INSTRUMENTATION DIAGRAM UF MODULE RACK B	V Drwg	401-PD-0004-01			7/7/2011			7/25/2011						
	PROCESS AND INSTRUMENTATION DIAGRAM UF CIP SKID	V Drwg	401-PD-0008-01			7/7/2011			7/25/2011						
	PID SDS NO 7	V Drwg	560-PD-0003-01			7/7/2011			7/25/2011						
	RAW WATER GENERAL ARRANGEMENT DRAWING	V Drwg	550-GA-0003-01			7/7/2011			7/25/2011						
MECH-1-30.0	PIPING AND INSTRUMENTATION DIAGRAM SWS - SERVICE WATER	Drwg	PS-390	05/05/11	05/05/11	7/7/2011			7/25/2011	07/14/11	07/14/11				

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	PIPING AND INSTRUMENTATION DIAGRAM SWS - SERVICE WATER	Drwg	PS-391	05/05/11	05/05/11	7/7/2011			7/25/2011	07/14/11	07/14/11				
MECH-1-30.1	PID SDS NO 7	V Drwg	560-PD-0004-01			7/7/2011			7/25/2011						
MECH-1-31.0	PIPING AND INSTRUMENTATION DIAGRAM PWS - POTABLE WATER	Drwg	PS-400	05/05/11	05/05/11	7/7/2011			7/25/2011	07/14/11	07/14/11				
MECH-1-32.0	PIPING AND INSTRUMENTATION DIAGRAM DWS - DEMINERALIZED WATER	Drwg	PS-410	05/25/11	05/25/11	7/7/2011			7/25/2011	08/03/11	08/03/11				
MECH-1-32.1	DEMIN TANK	V Drwg	401-ME-0019-001			7/7/2011			7/28/2011						
	PID SDS NO 7	V Drwg	560-PD-0001-01			7/7/2011			7/28/2011						
MECH-1-33.0	PIPING AND INSTRUMENTATION DIAGRAM FPS - FIRE PROTECTION	Drwg	PS-470	05/12/11	05/12/11	7/7/2011			7/25/2011	07/21/11	07/21/11				
MECH-1-34.0	PIPING AND INSTRUMENTATION DIAGRAM WCF - WATER TREATMENT CHEMICAL FEED	Drwg	PS-540	05/25/11	05/25/11	7/7/2011			7/25/2011	08/03/11	08/03/11				
	PIPING AND INSTRUMENTATION DIAGRAM WCF - WATER TREATMENT CHEMICAL FEED	Drwg	PS-541	05/25/11	05/25/11	7/7/2011			7/25/2011	08/03/11	08/03/11				
	PIPING AND INSTRUMENTATION DIAGRAM WCF - WATER TREATMENT CHEMICAL FEED	Drwg	PS-542	05/25/11	05/25/11	7/7/2011			7/25/2011	08/03/11	08/03/11				
	PIPING AND INSTRUMENTATION DIAGRAM WCF - WATER TREATMENT CHEMICAL FEED	Drwg	PS-543	05/25/11	05/25/11	7/7/2011			7/25/2011	08/03/11	08/03/11				
MECH-1-34.1	RO CIP SYSTEM	V Drwg	401-ME-0011-01			7/7/2011			7/25/2011						
	PROCESS AND INSTRUMENTATION DIAGRAM RO CLEANER ROC 50 PLUS SKID	V Drwg	401-PD-0020-01			7/7/2011			7/25/2011						
	PROCESS AND INSTRUMENTATION DIAGRAM RO CLEANER ROC 20PLUS SKID	V Drwg	401-PD-0018-01			7/7/2011			7/25/2011						
	PROCESS AND INSTRUMENTATION DIAGRAM CITRIC ACID CHEM. SKID	V Drwg	401-PD-0013-01			7/7/2011			7/25/2011						
	PROCESS AND INSTRUMENTATION DIAGRAM UF BLEACH SKID	V Drwg	401-PD-0014-01			7/7/2011			7/25/2011						
	PROCESS AND INSTRUMENTATION DIAGRAM UF DECHLORINATION SKID	V Drwg	401-PD-0015-01			7/7/2011			7/25/2011						
	PROCESS AND INSTRUMENTATION DIAGRAM BISULFITE CHEM FEED SKID	V Drwg	401-PD-0012-01			7/7/2011			7/25/2011						
MECH-1-35.0	PIPING AND INSTRUMENTATION DIAGRAM INA - INSTRUMENT AIR	Drwg	PS-560	05/05/11	05/05/11	7/7/2011			7/25/2011	07/14/11	07/14/11				
	PIPING AND INSTRUMENTATION DIAGRAM INA - INSTRUMENT AIR	Drwg	PS-561	05/05/11	05/05/11	7/7/2011			7/25/2011	07/14/11	07/14/11				
	PIPING AND INSTRUMENTATION DIAGRAM INA - INSTRUMENT AIR	Drwg	PS-562	05/05/11	05/05/11	7/7/2011			7/25/2011	07/14/11	07/14/11				
MECH-1-35.1	STOCK	V Drwg	540-ME-0003-01			7/7/2011			7/25/2011						
	CDE300 115-1-60 N4 160 1 OPT 0-INA-ADY-01A 0-INA-ADY-01B	V Drwg	540-GA-0002-01			7/7/2011			7/25/2011						
	MODIFIED TANK	V Drwg	540-ME-0002-01			7/7/2011			7/25/2011						
	IPB DUCT PRESSURIZATION AND MONITORING MODULE VERSION 3	V Drwg	842A-EE-0013-01			7/7/2011			7/25/2011						
	SAMPLE SYSTEM FLOW DIAGRAM	V Drwg	190-PD-0001-01			7/7/2011			7/25/2011						
MECH-1-36.0	PIPING AND INSTRUMENTATION DIAGRAM FGS - FUEL GAS	Drwg	PS-650	06/04/11	40698	7/7/2011			7/25/2011	08/13/11	08/13/11				
	PIPING AND INSTRUMENTATION DIAGRAM FGS - FUEL GAS	Drwg	PS-651	06/04/11	40698	7/7/2011			7/25/2011	08/13/11	08/13/11				
	PIPING AND INSTRUMENTATION DIAGRAM FGS - FUEL GAS	Drwg	PS-652	06/04/11	40698	7/7/2011			7/25/2011	08/13/11	08/13/11				
	PIPING AND INSTRUMENTATION DIAGRAM FGS - FUEL GAS	Drwg	PS-653	06/04/11	40698	7/7/2011			7/25/2011	08/13/11	08/13/11				
	PIPING AND INSTRUMENTATION DIAGRAM FGS - FUEL GAS	Drwg	PS-654	06/04/11	40698	7/7/2011			7/25/2011	08/13/11	08/13/11				
	PIPING AND INSTRUMENTATION DIAGRAM FGS - FUEL GAS	Drwg	PS-655	06/04/11	40698	7/7/2011			7/25/2011	08/13/11	08/13/11				
	PIPING AND INSTRUMENTATION DIAGRAM FGS - FUEL GAS	Drwg	PS-656	06/04/11	40698	7/7/2011			7/25/2011	08/13/11	08/13/11				
MECH-1-36.1	P AND ID	V Drwg	201-PD-0009-01			7/7/2011			7/25/2011						
	P ID	V Drwg	201-PD-0003-01			7/7/2011			7/25/2011						
	P AND ID - PROCESS	V Drwg	201-PD-0001-01			7/7/2011			7/25/2011						
	PID - PROCESS	V Drwg	201-PD-0007-01			7/7/2011			7/25/2011						
	PID - PROCESS	V Drwg	201-PD-0006-01			7/7/2011			7/25/2011						
	GAS TURBINE AUXILIARIES P AND ID	V Drwg	201-PD-0002-01			7/7/2011			7/25/2011						
	MECHANICAL PROCESS AND INSTRUMENTATION FLOW DIAGRAM FOR INDIRECT GAS FIRED WATER BATH HEATER	V Drwg	313-PD-0001-01			7/7/2011			7/25/2011						
	FUEL GAS COMPRESSOR DRAINS TANK FOUNDATION 0-FGS-TNK-01	V Drwg	551-ME-0001-01			7/7/2011			7/25/2011						
MECH-1-37.0	PIPING AND INSTRUMENTATION DIAGRAM AQA - AQUEOUS AMMONIA	Drwg	PS-780	05/12/11	05/12/11	7/7/2011			7/25/2011	07/21/11	07/21/11				
	PIPING AND INSTRUMENTATION DIAGRAM AQA - AQUEOUS AMMONIA	Drwg	PS-781	05/12/11	05/12/11	7/7/2011			7/25/2011	07/21/11	07/21/11				
MECH-1-37.1	21200 GALLON AQUEOUS AMMONIA STORAGE TANK	V Drwg	433-ME-0001-01			7/8/2011			7/25/2011						

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	AQUEOUS AMMONIA FEED PUMP SKID PID	V Drwg	110-PD-0002-01			7/8/2011			7/25/2011						
	AQUEOUS AMMONIA FLOW CONTROL SKID PID	V Drwg	110-PD-0003-01			7/8/2011			7/25/2011						
MECH-1-38.0	PIPING AND INSTRUMENTATION DIAGRAM SDR - SANITARY DRAINS	Drwg	PS-950	05/19/11	05/19/11	7/7/2011	7/28/2011	8/31/2011		07/28/11	07/28/11				
MECH-1-39.0	PIPING AND INSTRUMENTATION DIAGRAM WDR - WASTEWATER DISPOSAL	Drwg	PS-960	06/10/11	06/10/11	7/7/2011			7/25/2011	08/19/11	08/19/11				
	PIPING AND INSTRUMENTATION DIAGRAM WDR - WASTEWATER DISPOSAL	Drwg	PS-961	06/10/11	06/10/11	7/7/2011			7/25/2011	08/19/11	08/19/11				
MECH-1-39.1	OIL-WATER SEPARATOR DETAIL DRAWING		441-ME-0007-01			7/8/2011			7/29/2011						
	OIL-WATER SEPARATOR DETAIL DRAWING		441-ME-0008-01			7/8/2011			7/29/2011						
	WASTE WATER GENERAL ARRANGEMENT DRAWING		550-GA-0002-01			7/8/2011			7/29/2011						
	GENERAL ARRANGEMENT SDS NO 13		560-GA-0003-01			7/8/2011			7/29/2011						
MECH-1-40.0	PIPING AND INSTRUMENTATION DIAGRAM PDR - PLANT DRAINS AND DISPOSAL	Drwg	PS-970	01/22/11	01/22/11	7/7/2011			7/25/2011	06/17/11	06/17/11				
	PIPING AND INSTRUMENTATION DIAGRAM PDR - PLANT DRAINS AND DISPOSAL	Drwg	PS-971	01/22/11	01/22/11	7/7/2011			7/25/2011	06/17/11	06/17/11				
MECH-1-41.0	LARGE BORE FABRICATION ISOMETRIC PWS - POTABLE WATER PIPING	Drwg	PWS100-1	10/26/11	10/26/11					11/28/11	11/28/11				
	LARGE BORE FABRICATION ISOMETRIC PWS - POTABLE WATER PIPING	Drwg	PWS101-1	10/26/11	10/26/11					11/28/11	11/28/11				
	SMALL BORE FABRICATION ISOMETRIC PWS - POTABLE WATER	Drwg	PWS500-1							01/05/12	01/05/12				
	SMALL BORE FABRICATION ISOMETRIC PWS - POTABLE WATER	Drwg	PWS501-1							01/05/12	01/05/12				
MECH-1-42.0	LARGE BORE FABRICATION ISOMETRIC RWS - RAW WATER	Drwg	RWS100-1	10/25/11	10/25/11					11/28/11	11/28/11				
	LARGE BORE FABRICATION ISOMETRIC RWS - RAW WATER	Drwg	RWS101-1	10/25/11	10/25/11					11/28/11	11/28/11				
	LARGE BORE FABRICATION ISOMETRIC RWS - RAW WATER	Drwg	RWS102-1	10/25/11	10/25/11					11/28/11	11/28/11				
	LARGE BORE FABRICATION ISOMETRIC RWS - RAW WATER	Drwg	RWS103-1	10/25/11	10/25/11					11/28/11	11/28/11				
	LARGE BORE FABRICATION ISOMETRIC RWS - RAW WATER	Drwg	RWS104-1	10/25/11	10/25/11					11/28/11	11/28/11				
	LARGE BORE FABRICATION ISOMETRIC RWS - RAW WATER	Drwg	RWS105-1	10/25/11	10/25/11					11/28/11	11/28/11				
	LARGE BORE FABRICATION ISOMETRIC RWS - RAW WATER	Drwg	RWS106-1	10/25/11	10/25/11					11/28/11	11/28/11				
	LARGE BORE FABRICATION ISOMETRIC RWS - RAW WATER	Drwg	RWS107-1	10/25/11	10/25/11					11/28/11	11/28/11				
	LARGE BORE FABRICATION ISOMETRIC RWS - RAW WATER	Drwg	RWS108-1	10/25/11	10/25/11					11/28/11	11/28/11				
	LARGE BORE FABRICATION ISOMETRIC RWS - RAW WATER	Drwg	RWS109-1	10/25/11	10/25/11					11/28/11	11/28/11				
MECH-1-43.0	SMALL BORE FABRICATION ISOMETRIC RWS - RAW WATER	Drwg	RWS500-1							01/05/12	01/05/12				
	SMALL BORE FABRICATION ISOMETRIC RWS - RAW WATER	Drwg	RWS501-1							01/05/12	01/05/12				
	SMALL BORE FABRICATION ISOMETRIC RWS - RAW WATER	Drwg	RWS502-1							01/05/12	01/05/12				
	SMALL BORE FABRICATION ISOMETRIC RWS - RAW WATER	Drwg	RWS503-1							01/05/12	01/05/12				
	SMALL BORE FABRICATION ISOMETRIC RWS - RAW WATER	Drwg	RWS504-1							01/05/12	01/05/12				
	SMALL BORE FABRICATION ISOMETRIC RWS - RAW WATER	Drwg	RWS505-1							01/05/12	01/05/12				
	SMALL BORE FABRICATION ISOMETRIC RWS - RAW WATER	Drwg	RWS506-1							01/05/12	01/05/12				
	SMALL BORE FABRICATION ISOMETRIC RWS - RAW WATER	Drwg	RWS507-1							01/05/12	01/05/12				
	SMALL BORE FABRICATION ISOMETRIC RWS - RAW WATER	Drwg	RWS508-1							01/05/12	01/05/12				
	SMALL BORE FABRICATION ISOMETRIC RWS - RAW WATER	Drwg	RWS509-1							01/05/12	01/05/12				
MECH-1-44.0	LARGE BORE FABRICATION ISOMETRIC SWS - SERVICE WATER	Drwg	SWS100-1	10/04/11	10/04/11					11/07/11	11/07/11				
	LARGE BORE FABRICATION ISOMETRIC SWS - SERVICE WATER	Drwg	SWS101-1	10/04/11	10/04/11					11/07/11	11/07/11				
	LARGE BORE FABRICATION ISOMETRIC SWS - SERVICE WATER	Drwg	SWS102-1	10/04/11	10/04/11					11/07/11	11/07/11				
	LARGE BORE FABRICATION ISOMETRIC SWS - SERVICE WATER	Drwg	SWS103-1	10/04/11	10/04/11					11/07/11	11/07/11				
	LARGE BORE FABRICATION ISOMETRIC SWS - SERVICE WATER	Drwg	SWS104-1	10/04/11	10/04/11					11/07/11	11/07/11				
	LARGE BORE FABRICATION ISOMETRIC SWS - SERVICE WATER	Drwg	SWS105-1	10/04/11	10/04/11					11/07/11	11/07/11				
	LARGE BORE FABRICATION ISOMETRIC SWS - SERVICE WATER	Drwg	SWS106-1	10/04/11	10/04/11					11/07/11	11/07/11				
	LARGE BORE FABRICATION ISOMETRIC SWS - SERVICE WATER PIPING	Drwg	SWS107-1	10/04/11	10/04/11					11/07/11	11/07/11				
	LARGE BORE FABRICATION ISOMETRIC SWS - SERVICE WATER PIPING	Drwg	SWS108-1	10/04/11	10/04/11					11/07/11	11/07/11				
MECH-1-45.0	SMALL BORE FABRICATION ISOMETRIC WCF - WATER TREATMENT CHEMICAL FEED	Drwg	SWS500-1							12/29/11	12/29/11				
	SMALL BORE FABRICATION ISOMETRIC WCF - WATER TREATMENT CHEMICAL FEED	Drwg	SWS501-1							12/29/11	12/29/11				
MECH-1-46.0	LARGE BORE FABRICATION ISOMETRIC WATER TREATMENT CHEMICAL FEED	Drwg	WCF100-1	10/18/11	10/18/11					11/21/11	11/21/11				

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MECH-1-47.0	SMALL BORE FABRICATION ISOMETRIC WCF - WATER TREATMENT CHEMICAL FEED	Drwg	WCF500-1	12/29/11	12/29/11					01/20/12	01/20/12				
	SMALL BORE FABRICATION ISOMETRIC WCF - WATER TREATMENT CHEMICAL FEED	Drwg	WCF501-1	12/29/11	12/29/11					01/20/12	01/20/12				
	SMALL BORE FABRICATION ISOMETRIC WCF - WATER TREATMENT CHEMICAL FEED	Drwg	WCF502-1	12/29/11	12/29/11					01/20/12	01/20/12				
	SMALL BORE FABRICATION ISOMETRIC WCF - WATER TREATMENT CHEMICAL FEED	Drwg	WCF503-1	12/29/11	12/29/11					01/20/12	01/20/12				
	SMALL BORE FABRICATION ISOMETRIC WCF - WATER TREATMENT CHEMICAL FEED	Drwg	WCF504-1	12/29/11	12/29/11					01/20/12	01/20/12				
	SMALL BORE FABRICATION ISOMETRIC WCF - WATER TREATMENT CHEMICAL FEED	Drwg	WCF505-1	12/29/11	12/29/11					01/20/12	01/20/12				
	SMALL BORE FABRICATION ISOMETRIC WCF - WATER TREATMENT CHEMICAL FEED	Drwg	WCF506-1	12/29/11	12/29/11					01/20/12	01/20/12				
	SMALL BORE FABRICATION ISOMETRIC WCF - WATER TREATMENT CHEMICAL FEED	Drwg	WCF507-1	12/29/11	12/29/11					01/20/12	01/20/12				
	SMALL BORE FABRICATION ISOMETRIC WCF - WATER TREATMENT CHEMICAL FEED	Drwg	WCF508-1	12/29/11	12/29/11					01/20/12	01/20/12				
	SMALL BORE FABRICATION ISOMETRIC WCF - WATER TREATMENT CHEMICAL FEED	Drwg	WCF509-1	12/29/11	12/29/11					01/20/12	01/20/12				
	SMALL BORE FABRICATION ISOMETRIC WCF - WATER TREATMENT CHEMICAL FEED	Drwg	WCF510-1	12/29/11	12/29/11					01/20/12	01/20/12				
	SMALL BORE FABRICATION ISOMETRIC WCF - WATER TREATMENT CHEMICAL FEED	Drwg	WCF511-1	12/29/11	12/29/11					01/20/12	01/20/12				
	SMALL BORE FABRICATION ISOMETRIC WCF - WATER TREATMENT CHEMICAL FEED	Drwg	WCF512-1	12/29/11	12/29/11					01/20/12	01/20/12				
	SMALL BORE FABRICATION ISOMETRIC WCF - WATER TREATMENT CHEMICAL FEED	Drwg	WCF513-1	12/29/11	12/29/11					01/20/12	01/20/12				
	SMALL BORE FABRICATION ISOMETRIC WCF - WATER TREATMENT CHEMICAL FEED	Drwg	WCF514-1	12/29/11	12/29/11					01/20/12	01/20/12				
MECH-1-48.0	LARGE BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	Drwg	WDR100-1	11/08/11	11/08/11					12/12/11	12/12/11				
	LARGE BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	Drwg	WDR101-1	11/08/11	11/08/11					12/12/11	12/12/11				
	LARGE BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	Drwg	WDR102-1	11/08/11	11/08/11					12/12/11	12/12/11				
	LARGE BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	Drwg	WDR103-1	11/08/11	11/08/11					12/12/11	12/12/11				
	LARGE BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	Drwg	WDR104-1	11/08/11	11/08/11					12/12/11	12/12/11				
	LARGE BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	Drwg	WDR105-1	11/08/11	11/08/11					12/12/11	12/12/11				
	LARGE BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	Drwg	WDR106-1	11/08/11	11/08/11					12/12/11	12/12/11				
	LARGE BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	Drwg	WDR107-1	11/08/11	11/08/11					12/12/11	12/12/11				
	LARGE BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	Drwg	WDR108-1	11/08/11	11/08/11					12/12/11	12/12/11				
	LARGE BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	Drwg	WDR109-1	11/08/11	11/08/11					12/12/11	12/12/11				
MECH-1-49.0	LARGE BORE FABRICATION ISOMETRIC WWT - WATER TREATMENT	Drwg	WWT100-1	09/20/11	09/20/11					10/24/11	10/24/11				
	LARGE BORE FABRICATION ISOMETRIC WWT - WATER TREATMENT	Drwg	WWT101-1	09/20/11	09/20/11					10/24/11	10/24/11				
	LARGE BORE FABRICATION ISOMETRIC WWT - WATER TREATMENT	Drwg	WWT102-1	09/20/11	09/20/11					10/24/11	10/24/11				
	LARGE BORE FABRICATION ISOMETRIC WWT - WATER TREATMENT	Drwg	WWT103-1	09/20/11	09/20/11					10/24/11	10/24/11				
	LARGE BORE FABRICATION ISOMETRIC WWT - WATER TREATMENT	Drwg	WWT104-1	09/20/11	09/20/11					10/24/11	10/24/11				
	LARGE BORE FABRICATION ISOMETRIC WWT - WATER TREATMENT	Drwg	WWT105-1	09/20/11	09/20/11					10/24/11	10/24/11				
	LARGE BORE FABRICATION ISOMETRIC WWT - WATER TREATMENT	Drwg	WWT106-1	09/20/11	09/20/11					10/24/11	10/24/11				
	LARGE BORE FABRICATION ISOMETRIC WWT - WATER TREATMENT	Drwg	WWT107-1	09/20/11	09/20/11					10/24/11	10/24/11				
	LARGE BORE FABRICATION ISOMETRIC WWT - WATER TREATMENT	Drwg	WWT108-1	09/20/11	09/20/11					10/24/11	10/24/11				
	LARGE BORE FABRICATION ISOMETRIC WWT - WATER TREATMENT	Drwg	WWT109-1	09/20/11	09/20/11					10/24/11	10/24/11				
	LARGE BORE FABRICATION ISOMETRIC WWT - WATER TREATMENT	Drwg	WWT110-1	09/20/11	09/20/11					10/24/11	10/24/11				
	LARGE BORE FABRICATION ISOMETRIC WWT - WATER TREATMENT	Drwg	WWT111-1	09/20/11	09/20/11					10/24/11	10/24/11				
	LARGE BORE FABRICATION ISOMETRIC WWT - WATER TREATMENT	Drwg	WWT112-1	09/20/11	09/20/11					10/24/11	10/24/11				
	LARGE BORE FABRICATION ISOMETRIC WWT - WATER TREATMENT	Drwg	WWT113-1	09/20/11	09/20/11					10/24/11	10/24/11				
	LARGE BORE FABRICATION ISOMETRIC WWT - WATER TREATMENT	Drwg	WWT114-1	09/20/11	09/20/11					10/24/11	10/24/11				
MECH-1-50.0	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0110	07/27/11	04/11/11	7/6/2011			7/25/2011	09/07/11	05/09/11	8/16/2011			9/2/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0120	07/27/11	04/11/11	7/6/2011			7/25/2011	09/07/11	05/09/11	8/16/2011			9/2/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0210			7/6/2011			7/25/2011			8/16/2011			9/2/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0220	07/27/11	04/11/11	7/6/2011			7/25/2011	09/07/11	05/09/11	8/16/2011			9/2/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0240			7/6/2011			7/25/2011			8/16/2011			9/2/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0310	07/27/11	04/11/11	7/6/2011			7/25/2011	09/07/11	05/09/11	8/16/2011			9/2/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0320	07/27/11	04/11/11	7/6/2011			7/25/2011	09/07/11	05/09/11	8/16/2011			9/2/2011

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	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0330	07/27/11	04/11/11	7/6/2011			7/25/2011	09/07/11	05/09/11	8/16/2011			9/2/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0340	07/27/11	04/11/11	7/6/2011			7/25/2011	09/07/11	05/09/11	8/16/2011			9/2/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0410			7/6/2011			7/25/2011			8/16/2011			9/2/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0420			7/6/2011			7/25/2011			8/16/2011			9/2/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0430			7/6/2011			7/25/2011			8/16/2011			9/2/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0440			7/6/2011			7/25/2011			8/16/2011			9/2/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0510			7/6/2011			7/25/2011			8/16/2011			9/2/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0520			7/6/2011			7/25/2011			8/16/2011			9/2/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0040	07/27/11	04/11/11					09/07/11	05/09/11	8/16/2011			9/2/2011
MECH-1-51.0	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0130	07/27/11	04/11/11	4/12/2011	5/5/2011			09/07/11	05/09/11	5/12/2011		8/16/2011	8/2/2011
RM needs 853 spec	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0140	07/27/11	04/11/11	4/12/2011			5/5/2011	09/07/11	05/09/11	5/12/2011		8/16/2011	8/2/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0150	07/27/11	04/11/11	4/12/2011			5/5/2011	09/07/11	05/09/11	5/12/2011		8/16/2011	5/24/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0160	07/27/11	04/11/11	4/12/2011			5/5/2011	09/07/11	05/09/11	5/12/2011		5/23/2011	5/24/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0170	07/27/11	04/11/11	4/12/2011			5/5/2011	09/07/11	05/09/11	5/12/2011		5/23/2011	5/24/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0180	07/27/11	04/11/11	4/12/2011			5/5/2011	09/07/11	05/09/11	5/12/2011		8/16/2011	5/24/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0190	07/27/11	04/11/11	4/12/2011			5/5/2011	09/07/11	05/09/11	5/12/2011		8/16/2011	8/2/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0195	07/27/11	04/11/11	4/12/2011			5/5/2011	09/07/11	05/09/11	5/12/2011		5/23/2011	5/24/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0230	07/27/11	04/11/11	4/12/2011			5/5/2011	09/07/11	05/09/11	5/12/2011		8/16/2011	8/2/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0530	07/27/11	04/11/11	4/12/2011			5/5/2011	09/07/11	05/09/11	5/12/2011		5/23/2011	5/24/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0630	07/27/11	04/11/11	4/12/2011			5/5/2011	09/07/11	05/09/11	5/12/2011		5/23/2011	5/24/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0730	07/27/11	04/11/11	4/12/2011			5/5/2011	09/07/11	05/09/11	5/12/2011		5/23/2011	5/24/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0830	07/27/11	04/11/11	4/12/2011			5/5/2011	09/07/11	05/09/11	5/12/2011		5/23/2011	5/24/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-0930	07/27/11	04/11/11	4/12/2011			5/5/2011	09/07/11	05/09/11	5/12/2011		5/23/2011	5/24/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-1030	07/27/11	04/11/11	4/12/2011			5/5/2011	09/07/11	05/09/11	5/12/2011		5/23/2011	5/24/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-1040	07/27/11	04/11/11	4/12/2011			5/5/2011	09/07/11	05/09/11	5/12/2011		5/23/2011	5/24/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-1140	07/27/11	04/11/11	4/12/2011			5/5/2011	09/07/11	05/09/11	5/12/2011		5/23/2011	5/24/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-1150	07/27/11	04/11/11	4/12/2011			5/5/2011	09/07/11	05/09/11	5/12/2011		5/23/2011	5/24/2011
	MECHANICAL UNDERGROUND YARD PIPING	Drwg	YP-1250	07/27/11	04/11/11	4/12/2011			5/5/2011	09/07/11	05/09/11	5/12/2011		5/23/2011	5/24/2011
	MECHANICAL UNDERGROUND YARD PIPING KEY PLAN	Drwg	YP-0000	07/27/11	04/11/11					09/07/11	05/09/11	5/12/2011		8/16/2011	8/2/2011
MECH-1-51.1	CATHODIC PROTECTION	SPEC	660			07/22/11	08/26/11								
MECH-1-51.2	CATHODIC PROTECTION CALCULATION	CALC													
MECH-1-52.0 (FM ONLY)	COMBUSTION TURBINE FIRE PROTECTION SYSTEM, O&M	Drwg	FM-200			07/08/11									
~~MECH-1-52.1~~ VOID	~~COMBUSTION TURBINE FIRE PROTECTION O&M~~					~~08/22/11~~									
MECH-1-52.2	CSFM FOR FM APPROVAL														
MECH-1-53.0	FIRE PROTECTION CODE REVIEW		FPCR			07/07/11	08/01/11								
MECH-2															
MECH-2-1.0	AIR DRYER PRESSURE VESSEL DATA SHEET														
	AIR RECEIVER PRESSURE VESSEL DATA SHEET														
	FUEL GAS SUCTION SCRUBBER VESSEL DATA SHEET														
	FUEL GAS COMPRESSOR AUX. TANSK DATA SHEET														
	FUEL GAS COMPRESSOR DRAINS TANK DATA SHEET														
	FUEL GAS MAIN FILTER/SEPARATOR TANK DATA SHEET														
	FUEL GAS PILOT FILTER/DEPARATOR TANK DATA SHEET														
	AMMONIA TANK DATA SHEET														
	FUEL GAS DEW POINT HEATER DATA SHEET														
MECH-3															
MECH-3-1.0	HVAC SUBMITTAL														

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STRUC-1															
STRUC-1-1.0	CAST-IN-PLACE CONCRETE	TSpc	930				03/10/11			2/2/2011	2/14/2011	2/15/2011		5/3/2011	05/03/11
	STRUCTURAL STEEL	TSpc	940							2/2/2011	2/14/2011	2/15/2011			03/10/11
STRUC-1-1.1	2500psi BRENTWOOD										4/17/2011	5/9/2011	5/10/2011		05/25/11
	2500psi MARTINEZ											5/9/2011	5/10/2011		05/25/11
	2500psi RESOLUTION											5/9/2011	5/10/2011		05/25/11
	4000psi FOUNDATION BRENTWOOD											5/9/2011	5/10/2011	5/25/2011	05/25/11
	4000psi FOUNDATION MARTINEZ													5/25/2011	05/25/11
STRUC-1-2.0	PILE DESIGN	Drwg	SN-002							2/7/2011	3/28/2011				
	PRECAST/PRESTRESSED PILES	Tspec	912A							2/8/2011	3/28/2011	4/11/2011	4/4/2011		04/12/11
	PRECAST/PRESTRESSED PILES CALCULATION	Calc	912A-01									5/3/2011		5/26/2011	05/27/11
	Pile Fabricator Calculations - vendor	Calc										5/3/2011			
	KIECON 118 CONCRETE MIX DATA													5/25/2011	05/27/11
	URS MLGS PILE CALC REVIEW LETTER	LETTER												5/25/2011	05/27/11
	KIECON 118 PILE SHOP DRAWING													5/25/2011	REF
STRUC-1-2.1A	INDICATOR TEST PILE LOCATION PLAN	Drwg	SC-001			5/3/2011	05/16/11					05/20/11	5/23/2011	5/24/2011	05/24/11
STRUC-1-2.1B	PILE TO PILE CAP CONNECTION	Calc	912A-02									5/3/2011	5/16/2011	8/23/2011	08/29/11
	PILE TO PILE CAP CONNECTION DETAILS	Drwg	SF-202			5/3/2011	05/16/11						5/16/2011	8/23/2011	08/29/11
STRUC-2-1.0															
STRUC-1-3.0	AMMONIA CONTAINMENT AREA FOUNDATION	Calc		7/22/2011	7/22/2011					8/26/2011	8/26/2011				
	AMMONIA CONTAINMENT AREA FOUNDATION PILING	Calc		7/22/2011	7/22/2011					8/26/2011	8/26/2011				
	AMMONIA CONTAINMENT AREA FOUNDATION PILING PLAN	Drwg	SF-051	7/22/2011	7/22/2011					8/26/2011	8/26/2011				
	AMMONIA CONTAINMENT AREA FOUNDATION PLAN, SECTIONS AND DETAILS	Drwg	SF-052	7/22/2011	7/22/2011					8/26/2011	8/26/2011				
	AMMONIA CONTAINMENT AREA FOUNDATION SECTIONS AND DETAILS	Drwg	SF-053	7/22/2011	7/22/2011					8/26/2011	8/26/2011				
STRUC-1-4.0	GEOTECHNICAL INVESTIGATIONS REPORT	Spec	024				03/11/11			2/15/2011		2/18/2011		3/23/2011	03/24/11
STRUC-1-4.1	URS MLGS PILE SPRING REVIEW LETTER	Letter				07/12/11		07/27/11							
	JULY 5, 2011 -LETTER FOR MARSH LANDING FOUNDATION DESIGN PARAMETERS	Letter				07/12/11									
STRUC-1-5.0	GROUTING	TSpc	936							2/26/2011	2/26/2011	2/21/2011			03/18/11
STRUC-1-6.0	PRE-ENGINEERED BUILDINGS	Spec	990		3/18/2011	3/21/2011	4/11/2011		Reference	3/5/2011	4/15/2011				
STRUC-1-7.0	CT DRAINS TANK HOLD DOWN SLAB PLAN AND DETAILS	Drwg	SF-026	4/1/2011	4/17/2011	05/14/11	06/23/11			5/7/2011	5/7/2011				07/07/11
	910R-05.1	Calc				05/14/11	06/23/11								07/07/11
STRUC-1-7.1	OIL/WATER SEPARATOR TANKS O-WDR-SEP-01 AND O-WDR-SEP-02 FOUNDATION PLAN, SECTIONS AND DETAILS	Drwg	SF-027	4/1/2011	4/1/2011	04/01/11	04/11/11			5/7/2011	5/7/2011	5/6/2011			05/17/11
	OIL WATER SEPARATOR TANKS, 01 AND 02	Calc	910R-05	4/1/2011	4/1/2011	04/01/11	04/11/11			5/7/2011	5/7/2011	5/6/2011			05/17/11
STRUC-1-8.0	SCR & STACK PILING	Calc	910O-01	5/21/2011	5/21/2011	07/12/11				6/30/2011	6/30/2011	8/9/2011	8/17/2011	8/23/2011	
	SCR SYSTEM UNIT #1 FOUNDATION PILING PLAN	Drwg	SF-017	5/21/2011	5/21/2011	07/12/11				6/30/2011	6/30/2011	8/9/2011	8/17/2011	8/23/2011	
	SCR SYSTEM UNIT #2 FOUNDATION PILING PLAN	Drwg	SF-018			07/12/11						8/9/2011	8/17/2011	8/23/2011	
	SCR SYSTEM UNIT #3 FOUNDATION PILING PLAN	Drwg	SF-019			07/12/11						8/9/2011	8/17/2011	8/23/2011	
	SCR SYSTEM UNIT #4 FOUNDATION PILING PLAN	Drwg	SF-020			07/12/11						8/9/2011	8/17/2011	8/23/2011	
STRUC-1-8.1	DUCT WORK CALC	CALC	REFERENCE	5/31/2011											
	SCR HOUSING CALC	CALC	REFERENCE	5/31/2011											
	SOUND SHROUD CALC	CALC	REFERENCE	5/31/2011											
	STACK CALC	CALC	REFERENCE	5/31/2011											
STRUC-1-8.2	ATCO STRUCTURES & LOGISTICS LOADS	Drwg	201-CA-0016-001			7/1211			08/15/11						
	ATCO STRUCTURES & LOGISTICS BASE PLATES AND ANCHORS	Drwg	201-CA-0017-001			7/1211			08/15/11						

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	COOLING AIR COMPRESSOR BLEED I/C PIPE SUPPORTS CALCULATIONS AND FOUNDATION LOADS	CALC	201-CA-0035-001			7/1211			08/15/11						
	ROTOR AIR COOLER /C PIPE SUPPORTS CALCULATIONS AND FOUNDATION LOADS	CALC	201-CA-0036-001			7/1211			08/15/11						
	STACK DESIGN STRUCTURAL CALCULATIONS	CALC	CALC_COMB			7/1211			08/15/11						
	AIR TEMPERING DUCT AND SUPPORT TRUSS	CALC	H2301_C59_130830			7/1211			08/15/11						
	MODAL ANALYSIS		H2301_C59_130807			7/1211			08/15/11						
	SCR SYSTEM SITE LAYOUT GENERAL ARRANGEMENT PLAN VIEW	Drwg	H2301_P59_031201			7/1211			08/15/11						
	INLET DUCT ACOUSTICAL SHROUD STRUCTURAL CALCULATION	CALC	ST11-115-C-R0			7/1211			08/15/11						
	SCR REACTOR HOUSING STRUCTURAL CALCULATION	CALC	H2301-C59-130805			7/1211			08/15/11						
	HOT SCR/CO EMISSION CONTROL SYSTEM	CALC	H2301-C59-130807-R0			7/1211			08/15/11						
STRUC-1-8.3	TYPE C 8109 EQUIPMENT SHELTER	V Drwg	190-SD-0001-001			08/12/11	09/01/11								
	STRUCTURAL CALCULATIONS FOR C8109 EQUIPMENT SHELTER	V Drwg	190-CA-0004-001			08/12/11	09/01/11								
STRUC-1-9.0	FOUNDATION LOCATION PLAN	Drwg	SF-000	8/23/2011	8/23/2011	07/13/11				9/27/2011	9/27/2011				
STRUC-1-10.0	ANCHOR BOLT DETAILS	Drwg	SF-200							3/1/2011	3/1/2011	3/10/2011			03/29/11
	TYPICAL CONCRETE DETAILS	Drwg	SF-201							3/1/2011	3/1/2011	3/10/2011		7/1/2011	03/29/11
STRUC-1-11.0	PRECAST CONCRETE	TSpc	933							6/2/2011	6/1/2011	6/3/2011	REF		07/12/11
STRUC-1-12.0	SCR SYSTEM UNIT #1 FAN FOUNDATION PILING PLAN	Drwg	SF-075A	5/21/2011	5/21/2011	08/12/11	08/29/11			6/30/2011	6/30/2011				
	SCR SYSTEM UNIT #2 FAN FOUNDATION PILING PLAN	Drwg	SF-075B	5/21/2011	5/21/2011	08/12/11	08/29/11			6/30/2011	6/30/2011				
	SCR SYSTEM UNIT #3 FAN FOUNDATION PILING PLAN	Drwg	SF-075C	5/21/2011	5/21/2011	08/12/11	08/29/11			6/30/2011	6/30/2011				
	SCR SYSTEM UNIT #4 FAN FOUNDATION PILING PLAN	Drwg	SF-075D	5/21/2011	5/21/2011	08/12/11	08/29/11			6/30/2011	6/30/2011				
	CT EXHAUST/SCR COOLING AIR FAN PILING	Calc	910R-01	5/21/2011	5/21/2011	08/12/11	08/29/11			6/30/2011	6/30/2011				
STRUC-1-12.1	TEMP AIR FAN INTAKE STACK CALC	CALC	110-CA-0006-001			08/11/11									
	TAS FAN SUPPORT CALC	CALC	110-CA-0007-001			08/11/11									
STRUC-1-13.0	FUEL GAS CONDITIONER AND FUEL GAS REGULATING SKID FOUNDATION AND PILE DESIGN	Calc	910D-04	6/15/2011	8/5/2011	08/10/11	9/8/2011			7/20/2011	7/20/2011				
	FUEL GAS CONDITIONING AND REGULATING SKID FOUNDATION PILING PLAN	Drwg	SF-046	6/15/2011	8/5/2011	08/10/11	9/8/2011			7/20/2011	7/20/2011				
	FUEL GAS CONDITIONING AND REGULATING SKID FOUNDATION PILING PLAN, SECTIONS AND DETAILS	Drwg	SF-047			08/10/11	9/8/2011								
STRUC-1-14.0	CTG STEP-UP TRANSFORMER FOUNDATION PILING	Calc	910G-01	5/12/2011	5/12/2011					6/16/2011	6/16/2011	5/10/2011		6/13/2011	06/21/11
	UNIT #1 CTG STEP-UP TRANSFORMER FOUNDATION PILING PLAN	Drwg	SF-080	5/12/2011	5/12/2011	05/10/11				6/16/2011	6/16/2011	6/13/2011		8/19/2011	09/01/11
	UNIT #2 CTG STEP-UP TRANSFORMER FOUNDATION PILING PLAN	Drwg	SF-082			05/10/11						6/13/2011		8/19/2011	09/01/11
	UNIT #4 CTG STEP-UP TRANSFORMER FOUNDATION PILING PLAN	Drwg	SF-086			05/10/11						6/13/2011		8/19/2011	09/01/11
	CALCULATION	Drwg	201-CA-0023			05/10/11			06/07/11						
	D-7309 OUTLINE_REV5	Drwg	201-EE-0003			05/10/11			06/07/11						
	C-4610 TRANSFORMER BASE _REV3	Drwg	201-FN-0003			05/10/11			06/07/11						
STRUC-1-15.0	CTG STEP-UP TRANSFORMER FOUNDATION	Calc	910G-02	6/25/2011	6/25/2011	07/13/11	08/12/01			7/30/2011	7/30/2011	8/24/2011			
	#1 CTG STEP-UP TRANSFORMER FOUNDATION	Drwg	SF-081	6/25/2011	6/25/2011	07/13/11	08/12/01			7/30/2011	7/30/2011	8/24/2011			
	#2 CTG STEP-UP TRANSFORMER FOUNDATION	Drwg	SF-083			07/13/11	08/12/01					8/24/2011			
	#4 CTG STEP-UP TRANSFORMER FOUNDATION	Drwg	SF-087			07/13/11	08/12/01					8/24/2011			
STRUC-1-16.0	SERVICE WATER PUMPS FOUNDATION	Calc		6/2/2011	6/2/2011					7/7/2011	7/7/2011				
	SERVICE WATER PUMPS FOUNDATION PLAN AND DETAILS	Drwg	SF-035	6/2/2011	6/2/2011					7/7/2011	7/7/2011				
STRUC-1-17.0	TCA/ROTOR AIR COOLER FOUNDATION PILING	Calc		4/28/2011	4/28/2011					6/3/2011	6/3/2011				
	TCA/ROTOR AIR COOLER FOUNDATION PILING PLAN	Drwg	SF-056	4/28/2011	4/28/2011					6/3/2011	6/3/2011				
STRUC-1-18.0	TCA/ROTOR AIR COOLER FOUNDATION (FM?)	Calc		5/31/2011	5/31/2011					7/14/2011	7/14/2011				
	TCA/ROTOR AIR COOLER FOUNDATION PLAN, SECTIONS AND DETAILS	Drwg	SF-057	5/31/2011	5/31/2011					7/14/2011	7/14/2011				
STRUC-1-19.0	CT EXHAUST/SCR COOLING AIR FAN FOUNDATION	Calc	910R-02			09/02/11				7/7/2011	7/7/2011				
	SCR FAN FOUNDATION PRE-POUR EMBEDMENT PLAN	Drwg	SF-076			09/02/11				7/7/2011	7/7/2011				
	SCR FAN FOUNDATION PRE-POUR EMBEDMENT PLAN	Drwg	SF-076A			09/02/11									
	SCR FAN FOUNDATION SECTIONS AND DETAILS	Drwg	SF-076B			09/02/11									
	SCR FAN FOUNDATION PRE-POUR EMBEDMENT DETAILS	Drwg	SF-076C			09/02/11									

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STRUC-1-20.0	RAW WATER STORAGE TANK FOUNDATION	Calc	910Q-01	6/3/2011	6/3/2011	04/25/11	04/28/11			7/13/2011	7/13/2011	5/20/2011			05/26/11
	RAW WATER STORAGE TANK FOUNDATION PLAN, SECTIONS AND DETAILS	Drwg	SF-034	6/3/2011	6/3/2011	04/25/11	04/28/11			7/13/2011	7/13/2011	5/20/2011			05/26/11
	ANCHOR BOLT LAYOUT- RAW WATER STORAGE TANK	Drwg	AB-RWT									5/20/2011			05/26/11
	RAW WATER TANK	Calc	02187-001									5/20/2011			05/26/11
~~**STRUC-1-21.0**~~	~~RO PERMEATE TANK FOUNDATION PILING~~	~~Calc~~		~~6/3/2011~~	~~6/3/2011~~					~~7/13/2011~~	~~7/13/2011~~				
	~~RO PERMEATE TANK FOUNDATION PILING PLAN~~	~~Drwg~~	~~SF-039~~	~~6/3/2011~~	~~6/3/2011~~					~~7/13/2011~~	~~7/13/2011~~				
STRUC-1-22.0	RO PERMEATE AND WASTE WATER TANK FOUNDATION	Calc	910Q-02	6/3/2011	6/3/2011	04/25/11	05/13/11			7/13/2011	7/13/2011	5/20/2011			06/02/11
	RO PERMEATE TANK FOUNDATION PLAN, SECTIONS AND DETAILS	Drwg	SF-040	6/9/2011	6/9/2011	04/25/11	05/13/11			7/13/2011	7/13/2011	5/20/2011			06/02/11
	WASTE WATER STORAGE TANK FOUNDATION PLAN, SECTIONS AND DETAILS	Drwg	SF-037	6/15/2011	6/15/2011	04/25/11	05/13/11			7/20/2011	7/20/2011	5/20/2011			06/02/11
	ANCHOR BOLT LAYOUT- RO PERMEATE STORAGE TANK	Drwg	AB-ROPT									5/20/2011			06/02/11
	ANCHOR BOLT LAYOUT- WASTE WATER STORAGE TANK	Drwg	AB-WWT									5/20/2011			06/02/11
	RO PERMEATE STORAGE TANK	Calc	02187-002									5/20/2011			06/02/11
	WASTE WATER TANK	Calc	02187-003									5/20/2011			06/02/11
STRUC-1-23.0	CT EVAP COOLER MAKE UP PUMPS FOUNDATION	Calc		9/20/2011	9/20/2011					10/25/2011	10/25/2011				
	CT EVAP COOLER MAKE UP PUMPS FOUNDATION PLAN, SECTIONS AND DETAILS	Drwg	SF-041	9/20/2011	9/20/2011					10/25/2011	10/25/2011				
STRUC-1-24.0	CTG & AIR INLET FOUNDATION PILING	Calc	910A-01	4/29/2011	4/29/2011					6/4/2011	6/4/2011	5/9/2011	5/31/2011	7/27/2011	08/05/11
	CTG & AIR INLET FOUNDATION PILING PLAN	Drwg	SF-005	4/29/2011	4/29/2011	05/09/11				6/4/2011	6/4/2011	6/22/2011			08/05/11
	CTG & AIR INLET FOUNDATION PLAN	Drwg	SF-006	4/29/2011	4/29/2011	05/09/11				7/14/2011	7/14/2011	6/22/2011			08/05/11
	CTG & AIR INLET FOUNDATION PLAN	Drwg	SF-007	4/29/2011	4/29/2011	05/09/11				7/14/2011	7/14/2011	6/22/2011			08/05/11
	CTG FOUNDATION PRE-POUR EMBEDMENT PLAN	Drwg	SF-008	4/29/2011	4/29/2011	05/09/11				7/14/2011	7/14/2011	6/22/2011			08/05/11
STRUC-1-24.1	Foundation Loading Calculations	Calc	201-CA-0001			05/09/11	6/9/2011								
	CENTER OF GRAVITY FOUNDATION LOADS	Drwg	201-CA-0005			05/09/11	5/23/2011								
	11100230 CALCULATIONS	Drwg	201-CA-0010			05/09/11	05/24/11								
	CALCS 2011-01-22	Drwg	201-CA-0011			05/09/11			REF						
	CT-SEISMIC LOAD CALC	Drwg	201-CA-0012			05/09/11	05/23/01								
	CALCULATIONS-SIGNED	Drwg	201-CA-0013			05/09/11	05/25/11								
	EXCITHOUSECALC-SIGNED	Drwg	201-CA-0014			05/09/11			REF						
	CALCS-PILOT TANK	Drwg	201-CA-0018			05/09/11			REF						
	RST11026-A	Drwg	201-CA-0019			05/09/11	06/15/11								
	CALCULATIONS_CBC ORIE2-DS	Drwg	201-CA-0020			05/09/11	06/02/11								
	CAPE FLD R03 MARSHLANDING	Drwg	201-CA-0021			05/09/11			REF						
	LOADS_CBC_ORIE2-DS	Drwg	201-CA-0022			05/09/11	06/02/11								
	9692-CLC-002	Drwg	201-CA-0024			05/09/11			REF						
	9692-CLC-003	Drwg	201-CA-0025			05/09/11			REF						
	CALCS-MAIN TANK	Drwg	201-CA-0031			05/09/11			REF						
	01297 FRONT	Drwg	201-CA-0032			05/09/11			REF						
	01297 TAB 1	Drwg	201-CA-0033			05/09/11			REF						
	01297 TAB 3	Drwg	201-CA-0034			05/09/11			REF						
	01297 TAB 3	Drwg	201-CA-0035			05/09/11			REF						
	01297 TAB 5	Drwg	201-CA-0035			05/09/11			REF						
	01297 TAB 7	Drwg	201-CA-0036			05/09/11			REF						
	11100230-100 REV1 STAMPED	Drwg	201-EP-0002			05/09/11			REF						
	11100229-200 REV1 STAMPED	Drwg	201-FN-0002			05/09/11			REF						
	23600A-10FL-001_REV0	Drwg	201-FN-0005			05/09/11			REF						
	23600A_10-FL002_REV0	Drwg	201-FN-0006			05/09/11			REF						
	US1033-XB00-MB-2005200101	Drwg	201-FN-0007			05/09/11			REF						
	US1033-XB00-MB-2005600101	Drwg	201-FN-0008			05/09/11			REF						
	US1033-XB00-MB-2005600201	Drwg	201-FN-0008			05/09/11			REF						
	US1033-XB00-MB-2005600301	Drwg	201-FN-0008			05/09/11			REF						
	US1033-XB00-MB-2005600401	Drwg	201-FN-0008			05/09/11			REF						
	US1033-XB00-MB-2005600501	Drwg	201-FN-0008			05/09/11			REF						
	US1033-XB00-MB-2005600601	Drwg	201-FN-0008			05/09/11			REF						
	US1033-XB00-MB-2005900102	Drwg	201-FN-0009			05/09/11			REF						
	US1033-XB00-MB-2005900202	Drwg	201-FN-0009			05/09/11			REF						
	US1033-XB-MBJ-2005400101	Drwg	201-FN-0010			05/09/11	06/09/11								

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	US1033-XB-MBJ-2005400201	Drwg	201-FN-0010			05/09/11									
	US1033-VB00-MKA-2005500101	Drwg	201-FN-0011			05/09/11			REF						
	US1033-VB00-MKA-2005500201	Drwg	201-FN-0011			05/09/11			REF						
	US1033-VB00-MKA-2005500301	Drwg	201-FN-0011			05/09/11			REF						
	US1033-VB00-MKA-2005500401	Drwg	201-FN-0011			05/09/11			REF						
	CA PE FLD R03 MARSHLANDING	Drwg	201-FN-0012			05/09/11			REF						
	ZDX559-XB00-MBP-00000601102	Drwg	201-FN-0014			05/09/11			REF						
	ZDX559-XB00-MBR-00000201101	Drwg	201-FN-0015			05/09/11			REF						
	ZDX559-XB00-UMX-0000020101	Drwg	201-FN-0016			05/09/11			REF						
	ZDX559-XB00-UMX-0000030101	Drwg	201-FN-0017			05/09/11			REF						
	ZDX559-XB00-MBH-0000110101	Drwg	201-FN-0021			05/09/11			REF						
	ZDX559-XB00-MBH-0000120104	Drwg	201-FN-0022			05/09/11			REF						
	ZDX559-XB00-MBP-0000070101	Drwg	201-FN-0023			05/09/11			REF						
	ZDX559-XB00-MBP-0000080102	Drwg	201-FN-0024			05/09/11			REF						
	ZDX559-XB00-MBX-0000020101	Drwg	201-FN-0025			05/09/11			REF						
	ZDX559-XB00-MBX-0000040101	Drwg	201-FN-0026			05/09/11			REF						
	ZDX559-ZB00-SGN-0000030101	Drwg	201-FN-0028			05/09/11			REF						
	US1033-XB00-MKA-2020300101	Drwg	201-FN-0030			05/09/11			REF						
	ZDX559-XB00-MBH-0000030102	Drwg	201-FN-0031			05/09/11			REF						
	INLET AIR FILTER	Drwg	201-FN-0033			05/09/11			REF						
	INLRT HTG PS	Drwg	201-FN-0034			05/09/11			REF						
	INLET SILENCER	Drwg	201-GA-0005			05/09/11			REF						
	TURB PIPE RACK XX	Drwg	201-RE-0031			05/09/11	05/27/11								
	INT PLT LS	Drwg	201-RE-0032			05/09/11			REF						
	EXH PLT EXT	Drwg	201-RE-0033			05/09/11			REF						
	EXH PLT INT	Drwg	201-RE-0034			05/09/11			REF						
	LO COOLER SPT	Drwg	201-RE-0035			05/09/11	05/23/11								
	ROTO AIR STR	Drwg	201-RE-0036			05/09/11	06/02/11								
	SS INLET PLTSTR	Drwg	201-RE-0037			05/09/11			REF						
	TG PLATFORM	Drwg	201-RE-0039			05/09/11	06/09/11								
	GEN-ANCHORS	Drwg	201-RE-0041			05/09/11			REF						
	LUBE OIL FIN FAN COOLER	Drwg	201-RE-0051			05/09/11	05/23/11								
STRUC-1-24.2	Foundation Loading Calculations	Calc	201-CA-0001			05/09/11	6/9/2011								
TURNING GEAR	US1033-XB-MBJ-2005400101	Drwg	201-FN-0010			05/09/11	06/09/11								
	US1033-XB-MBJ-2005400201	Drwg	201-FN-0010			05/09/11									
STRUC-1-24.5	STRUCTURAL CALCULATION	CALC	201-CA-0013			05/09/11	05/25/11					9/2/2011			
GENERATOR ENCLOSURE	EXCITHOUSECALC-SIGNED	CALC	201-CA-0014			05/09/11			REF						
	US1033-VB00-MKA-2005500101	V DRWG	201-FN-0011			05/09/11			REF						
	US1033-VB00-MKA-2005500201	V DRWG	201-FN-0011			05/09/11			REF						
	US1033-VB00-MKA-2005500301	V DRWG	201-FN-0011			05/09/11			REF						
	US1033-VB00-MKA-2005500401	V DRWG	201-FN-0011			05/09/11			REF						
	ANCHOR BOLT LAYOUT PULSE FILTER	V DRWG	7537-S01 -SIGNED									9/2/2011			
	ANCHOR BOLT DETAILS	V DRWG	7537-S02 -SIGNED									9/2/2011			
	ROOF FRAMING PLAN & DETAILS	V DRWG	7537-S03 -SIGNED									9/2/2011			
	WALL ELEVATION GRID LINES '1' & 'A'	V DRWG	7537-S04 -SIGNED									9/2/2011			
	WALL ELEVATION GRID LINE '4'	V DRWG	7537-S05 -SIGNED									9/2/2011			
	SECTION AT GRID LINE 'B'	V DRWG	7537-S06 -SIGNED									9/2/2011			
	FILTER HOUSE & INTAKE SILENCER SUPPORT FRAME	V DRWG	7537-S07 -SIGNED									9/2/2011			
	EXHAUST SILENCER SUPPORT FRAME	V DRWG	7537-S08 -SIGNED									9/2/2011			
STRUC-1-25.0	DESIGN OF COMBUSTION TURBINE FOUNDATION - MAT AND PEDESTALS	Calc	910A-02	4/29/2011	5/27/2011	07/05/11				7/14/2011	7/14/2011				
	DESIGN OF COMBUSTION TURBINE (CT) FOUNDATION - ANCHORAGE AND EMBEDMENTS	Calc	910A-03	4/29/2011	5/27/2011	07/05/11				7/14/2011	7/14/2011				
	FOUNDATION LOCATION PLAN	Drwg	SF-000			07/05/11									
	CTG POST-POUR PLACEMENT PLAN	Drwg	SF-009	4/29/2011	5/27/2011	07/05/11				7/14/2011	7/14/2011				
	CTG FOUNDATION SECTIONS	Drwg	SF-010	4/29/2011	5/27/2011	07/05/11				7/14/2011	7/14/2011				
	CTG FOUNDATION SECTIONS	Drwg	SF-011	4/29/2011	5/27/2011	07/05/11				7/14/2011	7/14/2011				
	CTG FOUNDATION DETAILS	Drwg	SF-012	4/29/2011	5/27/2011	07/05/11				7/14/2011	7/14/2011				
	CTG FOUNDATION DETAILS	Drwg	SF-013	4/29/2011	5/27/2011	07/05/11				7/14/2011	7/14/2011				
	CTG FOUNDATION DETAILS	Drwg	SF-014	4/29/2011	5/27/2011	07/05/11				7/14/2011	7/14/2011				
	CTG FOUNDATION DETAILS	Drwg	SF-015	4/29/2011	5/27/2011	07/05/11				7/14/2011	7/14/2011				

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STRUC-1-26.0	CEMS FOUNDATION	Calc		7/2/2011	7/2/2011					8/27/2011	8/27/2011				
	CEMS FOUNDATION PLAN, SECTIONS AND DETAILS	Drwg	SF-055	7/2/2011	7/2/2011					8/27/2011	8/27/2011				
STRUC-1-27.0	WASTE WATER PUMPS FOUNDATION	Calc		6/15/2011	6/15/2011					7/20/2011	7/20/2011				
	WASTE WATER PUMPS FOUNDATION PLAN, SECTIONS AND DETAILS	Drwg	SF-038	6/15/2011	6/15/2011					7/20/2011	7/20/2011				
~~**STRUC-1-28.0**~~	~~WASTE WATER STORAGE TANK FOUNDATION PILING~~	~~Calc~~		~~6/3/2011~~	~~6/3/2011~~					~~7/13/2011~~	~~7/13/2011~~				
	~~WASTE WATER STORAGE TANK FOUNDATION PILING PLAN~~	~~Drwg~~	~~SF-036~~	~~6/3/2011~~	~~6/3/2011~~					~~7/13/2011~~	~~7/13/2011~~				
~~**STRUC-1-29.0**~~	~~WASTE WATER STORAGE TANK FOUNDATION PLAN, SECTIONS AND DETAILS~~	~~Drwg~~	~~SF-037~~	~~6/15/2011~~	~~6/15/2011~~					~~7/20/2011~~	~~7/20/2011~~				
	~~WASTE WATER STORAGE TANK FOUNDATION~~	~~Calc~~		~~6/15/2011~~	~~6/15/2011~~					~~7/20/2011~~	~~7/20/2011~~				
~~**STRUC-1-30.0**~~	~~DEMINERALIZED WATER TANK FOUNDATION PILING~~	~~Calc~~		~~6/3/2011~~	~~6/3/2011~~					~~7/13/2011~~	~~7/13/2011~~				
	~~DEMINERALIZED WATER TANK FOUNDATION PILING PLAN~~	~~Drwg~~	~~SF-030~~	~~6/3/2011~~	~~6/3/2011~~					~~7/13/2011~~	~~7/13/2011~~				
~~**STRUC-1-31.0**~~	~~DEMINERALIZED WATER PUMPS FOUNDATION~~	~~Calc~~		~~6/9/2011~~	~~6/9/2011~~					~~7/14/2011~~	~~7/14/2011~~				
	~~DEMINERALIZED WATER PUMPS FOUNDATION PLAN AND DETAILS~~	~~Drwg~~	~~SF-032~~	~~6/9/2011~~	~~6/9/2011~~					~~7/14/2011~~	~~7/14/2011~~				
STRUC-1-32.0	DEMINERALIZED WATER TANK FOUNDATION	Calc		6/9/2011	6/9/2011					7/14/2011	7/14/2011				
	DEMINERALIZED WATER TANK FOUNDATION PLAN, SECTIONS AND DETAILS	Drwg	SF-031	6/9/2011	6/9/2011					7/13/2011	7/14/2011				
~~**STRUC-1-33.0**~~	~~PAD MOUNTED TRANSFORMERS FOUNDATION PLANS - Unit Aux~~	~~Drwg~~	~~SF-091~~	~~7/21/2011~~	~~7/21/2011~~					~~8/25/2011~~	~~8/25/2011~~				
	~~PAD MOUNTED TRANSFORMERS FOUNDATION PLANS - Unit Aux~~	~~Drwg~~	~~SF-092~~	~~7/21/2011~~	~~7/21/2011~~					~~8/25/2011~~	~~8/25/2011~~				
STRUC-1-34.0	FUEL GAS DEW POINT HEATER AREA FOUNDATION PILING	Calc	910D-02	4/9/2011	5/13/2011	7/21/2011				4/30/2011	4/30/2011	8/29/2011	9/8/2011		
	FUEL GAS DEW POINT HEATER AREA FOUNDATION PILING PLAN	Drwg	SF-058	4/9/2011	5/13/2011	7/21/2011				4/30/2011	4/30/2011	8/29/2011	9/8/2011		
STRUC-1-34.1	ASSEMBLY OF A SKID MOUNTED INDIRECT GAS FIRE WATER BATH HEATER	V DRWG	D0021711-300A			8/29/2011									
STRUC-1-35.0	FUEL GAS DEW POINT HEATER AREA FOUNDATION PILING	Calc	910D-02	4/9/2011	5/13/2011	7/21/2011				6/1/2011	6/1/2011				
	FUEL GAS DEW POINT HEATER AREA PILING PLAN, SECTIONS AND DETAILS (Foundation)	Drwg	SF-059	5/11/2011	5/26/2011	8/15/2011	8/12/2011			6/1/2011	6/1/2011				
	SKID ANALYSIS INDIRECT GAS FIRE WATER BATH HEATER	v drwg	313-RE-0036				8/12/2011			6/1/2011	6/1/2011				
STRUC-1-36.0	STATIC EXCITATION EQUIPMENT TRANSFORMER, GENERATOR BREAK, ISOPHASE, GENERATOR VT & SURGE CUBICLE FOUNDATION PILING	Calc	910R-06	6/2/2011	5/27/2011	06/02/11	06/15/11			7/9/2011	7/9/2011	07/01/11			08/05/11
	STATIC EXCITATION EQUIPMENT TRANSFORMER, GENERATOR BREAK, ISOPHASE, GENERATOR VT & SURGE CUBICLE FOUNDATION PILING PLAN: UNIT 1	Drwg	SF-088A	6/2/2011	5/27/2011	06/02/11	06/15/11			7/9/2011	7/9/2011	07/01/11		8/19/2011	08/29/11
	STATIC EXCITATION EQUIPMENT TRANSFORMER, GENERATOR BREAK, ISOPHASE, GENERATOR VT & SURGE CUBICLE FOUNDATION PILING PLAN: UNIT 2	Drwg	SF-088B	6/2/2011	5/27/2011	06/02/11	06/15/11					07/01/11		8/19/2011	08/29/11
	STATIC EXCITATION EQUIPMENT TRANSFORMER, GENERATOR BREAK, ISOPHASE, GENERATOR VT & SURGE CUBICLE FOUNDATION PILING PLAN: UNIT 3	Drwg	SF-088C	6/2/2011	5/27/2011	06/02/11	06/15/11					07/01/11		8/19/2011	08/29/11
	STATIC EXCITATION EQUIPMENT TRANSFORMER, GENERATOR BREAK, ISOPHASE, GENERATOR VT & SURGE CUBICLE FOUNDATION PILING PLAN: UNIT 4	Drwg	SF-088D	6/2/2011	5/27/2011	06/02/11	06/15/11					07/01/11		8/19/2011	08/29/11
	STATIC EXCITATION EQUIPMENT TRANSFORMER, GENERATOR BREAK, ISOPHASE, GENERATOR VT & SURGE CUBICLE FOUNDATION PILING - response		910R-06									07/01/11			08/05/11
STRUC-1-36.1	CALVERT RESPONSES TO CBO COMMENTS		842A-RE-0002-001			07/11/01									
	IPB SUPPORT CALCULATIONS REV. 1		CAL7250			07/11/01									
STRUC-1-37.0	Isophase Area Foundation Calculation	Calc	910R-07	5/17/2011	5/17/2011	08/05/11				6/20/2011	6/20/2011				
	Units #1, 3 and 4 Iso-Phase Area Mat Foundations Plan, Sections and Details	Drwg	SF-089A	5/17/2011	5/17/2011	08/05/11				6/20/2011	6/20/2011				
	Unit #2 Iso-Phase Area Mat Foundation Plan, Sections and Details	Drwg	SF-089B	5/17/2011	5/17/2011	08/05/11				6/20/2011	6/20/2011				

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STRUC-1-38.0	STATIC FREQUENCY CONVERTER (SFC) TRANSFORMER ACCESS STEEL	Calc		12/15/2011	12/15/2011					1/18/2012	1/18/2012				
	STATIC FREQUENCY CONVERTER (SFC) TRANSFORMER ACCESS STEEL PLANS AND DETAILS	Drwg	ST-004	12/15/2011	12/15/2011					1/18/2012	1/18/2012				
STRUC-1-39.0	STATIC FREQUENCY CONVERTER (SFC) TRANSFORMER FOUNDATION	Calc	910G-05	7/21/2011	7/21/2011	07/27/11				8/25/2011	8/25/2011				
	STATIC FREQUENCY CONVERTER (SFC) TRANSFORMER FOUNDATION PLAN	Drwg	SF-097	7/21/2011	7/21/2011	07/27/11				8/25/2011	8/25/2011				
	SFC TRANSFORMER	VDRWG	201-CA-0024-001			07/27/11									
	SEE TRANSFORMER	VDRWG	201-CA-0006-002			07/27/11									
	SFC TRANSFORMER FND	VDRWG	201-FN-0019-001			07/27/11									
	SEE TRANSFORMER FND	VDRWG	201-FN-0029-001			07/27/11									
STRUC-1-40.0	WATER TREATMENT FOUNDATIONS/SUMP	Calc		6/29/2011	6/29/2011					8/3/2011	8/3/2011				
	WATER TREATMENT FOUNDATIONS/SUMP	Drwg	SF-	6/29/2011	6/29/2011					8/3/2011	8/3/2011				
STRUC-1-40.1	WATER TREATMENT ELECTRICAL ENCLOSURE FOUNDATION	Calc		6/29/2011	6/29/2011					8/3/2011	8/3/2011				
	WATER TREATMENT ELECTRICAL ENCLOSURE FOUNDATION	Drwg	SF-079	6/29/2011	6/29/2011					8/3/2011	8/3/2011				
STRUC-1-41.0	DEADEND STRUCTURE FOUNDATION PILING	Calc		7/1/2011						7/21/2011					
	DEADEND STRUCTURE FOUNDATION PILING PLAN	Drwg	SF-094	9/23/2011	9/23/2011					10/28/2011	10/28/2011				
~~**STRUC-1-42.0**~~	~~FUEL GAS CHROMATOGRAPH AND METERING SKID FOUNDATION~~	~~Calc~~		~~7/7/2011~~	~~9/2/2011~~					~~8/11/2011~~					
	~~FUEL GAS CHROMATOGRAPH AND METERING SKID FOUNDATION PLAN, SECTIONS AND DETAILS~~	~~Drwg~~	~~SF-044~~	~~7/9/2011~~	~~9/2/2011~~					~~8/13/2011~~	~~8/13/2011~~				
STRUC-1-43.0	AUX TRANSFORMER FOUNDATION	Calc		7/12/2011	9/7/2011					10/11/2011					
	AUX TRANSFORMER FOUNDATION PLAN, SECTIONS AND DETAILS	Drwg	SF-086	9/8/2011	9/8/2011					10/13/2011	10/13/2011				
STRUC-1-44.0	AUX TRANSFORMER FOUNDATON PILING	Calc		7/12/2011		07/19/11	08/15/11			7/19/2011					
	UNIT #3 CTG STEP-UP TRANSFORMER AND UAT TRANSFORMERS FOUNDATION PILING PLAN	Drwg	SF-084	7/13/2011	7/13/2011	07/19/11	08/15/11			8/17/2011	8/17/2011				
~~**STRUC-1-45.0**~~	~~STATIC EXCITATION EQUIPMENT TRANSFORMER, GENERATOR BREAK, ISOPHASE, GENERATOR VT & SURGE CUBICLE FOUNDATION~~	~~Calc~~		~~7/14/2011~~	~~7/14/2011~~					~~8/18/2011~~	~~8/18/2011~~				
	~~STATIC EXCITATION EQUIPMENT TRANSFORMER, GENERATOR BREAK, ISOPHASE, GENERATOR VT & SURGE CUBICLE FOUNDATION PLAN, SECTIONS AND DETAILS~~	~~Drwg~~	~~SF-088~~	~~7/14/2011~~	~~7/14/2011~~					~~8/18/2011~~	~~8/18/2011~~				
	~~STATIC EXCITATION EQUIPMENT TRANSFORMER, GENERATOR BREAK, ISOPHASE, GENERATOR VT & SURGE CUBICLE FOUNDATION SECTIONS AND DETAILS~~	~~Drwg~~	~~SF-089~~	~~7/14/2011~~	~~7/14/2011~~					~~8/18/2011~~	~~8/18/2011~~				
STRUC-1-46.0	DEADEND STRUCTURE FOUNDATION	Calc		9/23/2011	9/23/2011					10/28/2011	10/28/2011				
	DEADEND STRUCTURE FOUNDATION PLAN	Drwg	SF-095	9/23/2011	9/23/2011					10/28/2011	10/28/2011				
STRUC-1-47.0	ELECTRICAL 5kV BUILDING FOUNDATION	Calc	910R-04	8/23/2011	8/23/2011	08/24/11				9/27/2011	9/27/2011				
	ELECTRICAL BUILDING FOUNDATION PLAN AND DETAILS	Drwg	SF-002	8/23/2011	8/23/2011	08/24/11				9/27/2011	9/27/2011				
	ELECTRICAL BUILDING FOUNDATION PLAN AND DETAILS	Drwg	SF-002A	8/23/2011	8/23/2011	08/24/11				9/27/2011	9/27/2011				
STRUC-1-47.1	5kV Building Structural Calculations	Drwg	820-CA-0003-001			08/25/11									
	5kV Building Construction Notes	Drwg	820-RE-0004-001			08/25/11									
	5kV Building Skid Frame	Drwg	820-ST-0002-001			08/25/11									
	5kV Building Plan Views	Drwg	820-ST-0005-001			08/25/11									
	5kV Building Elevation 1	Drwg	820-ST-0006-001			08/25/11									
	5kV Building Elevation 2	Drwg	820-ST-0007-001			08/25/11									
	5kV Building Elevation 3	Drwg	820-ST-0008-001			08/25/11									
	5kV Building Elevation 4	Drwg	820-ST-0009-001			08/25/11									
STRUC-1-48.0	ADMIN/CONTROL/WT/HAZARDOUS STORAGE BUILDING FOUNDATION PLAN, SECTIONS AND DETAILS	Drwg	SF-001	8/20/2011	8/20/2011					9/24/2011	9/24/2011				
	ADMIN/CONTROL/WT/HAZARDOUS STORAGE BUILDING FOUNDATION	Calc		8/20/2011	8/20/2011					9/24/2011	9/24/2011				
~~**STRUC-1-49.0**~~	~~AIR DRYER, AIR RECIEVER & AIR COMPRESSOR FOUNDATION PILING~~	~~Calc~~		6/18/2011	6/18/2011					7/21/2011	7/21/2011				
	~~AIR DRYER, AIR RECIEVER & AIR COMPRESSOR FOUNDATION PILING PLAN~~	~~Drwg~~	~~SF-070~~	6/18/2011	6/18/2011					7/21/2011	7/21/2011				

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STRUC-1-50.0	AIR DRYER, AIR RECIEVER & AIR COMPRESSOR FOUNDATION	Calc		8/20/2011	8/20/2011					9/24/2011	9/24/2011				
	AIR DRYER, AIR RECIEVER & AIR COMPRESSOR FOUNDATION PLAN, SECTIONS AND DETAILS	Drwg	SF-071	8/20/2011	8/20/2011					9/24/2011	9/24/2011				
~~**STRUC-1-51.0**~~	~~FUEL GAS COMPRESSOR DRAINS TANK FOUNDATION PLAN, SECTIONS AND DETAILS~~	~~Drwg~~		~~9/3/2011~~	~~9/3/2011~~					~~10/8/2011~~	~~10/8/2011~~				
	~~FUEL GAS CONDITIONING AND REGULATING SKID FOUNDATION PLAN, SECTIONS AND DETAILS~~	~~Drwg~~													
STRUC-1-52.0	FUEL GAS COMPRESSORS & ENCLOSURE FOUNDATION	Calc		9/3/2011	9/16/2011					10/8/2011	10/8/2011				
	FUEL GAS COMPRESSORS & ENCLOSURE FOUNDATION PLAN, SECTIONS AND DETAILS PILES	Drwg	SF-042	9/3/2011	9/16/2011					10/8/2011	10/8/2011				
STRUC-1-52.1	FUEL GAS COMPRESSOR FIN FAN FOUNDATION														
	FUEL GAS COMPRESSORS & ENCLOSURE FOUNDATION SECTIONS AND DETAILS	Drwg	SF-043	9/3/2011	9/16/2011					10/8/2011	10/8/2011				
STRUC-1-53.0	FUEL GAS COMPRESSOR DRAIN TANK	Calc	910D-05	9/7/2011	9/7/2011	08/31/11				10/12/2011	10/12/2011				
	FUEL GAS CHROMATOGRAPH FOUNDATION	Calc	910R-09	9/7/2011	9/7/2011	08/31/11									
	FUEL GAS REGULATING SKID FOUNDATION PLAN, SECTIONS AND DETAILS	Drwg	SF-045	9/7/2011	9/7/2011	08/31/11				10/12/2011	10/12/2011				
~~**STRUC-1-54.0**~~	~~WATER TREATMENT ELECTRICAL ENCLOSURE FOUNDATION~~	~~Calc~~		~~9/20/2011~~	~~9/20/2011~~					~~10/25/2011~~	~~10/25/2011~~				
	~~WATER TREATMENT ELECTRICAL ENCLOSURE FOUNDATION PLAN~~	~~Drwg~~	~~SF-080~~	~~9/20/2011~~	~~9/20/2011~~					~~10/25/2011~~	~~10/25/2011~~				
STRUC-1-55.0	SWITCHYARD ELECTRICAL BUILDING FOUNDATION	Calc		10/13/2011	10/13/2011					11/17/2011	11/17/2011				
	SWITCHYARD ELECTRICAL BUILDING FOUNDATION PLAN	Drwg	SF-093	10/13/2011	10/13/2011					11/17/2011	11/17/2011				
STRUC-1-56.0	PAD MOUNTED TRANSFORMERS FOUNDATION PLANS - GSU	Drwg	SF-099	10/29/2011	10/29/2011					12/15/2011	12/15/2011				
	PAD MOUNTED TRANSFORMERS FOUNDATION PLANS - GSU	Drwg	SF-100	10/29/2011	10/29/2011					11/15/2011	11/15/2011				
STRUC-1-57.0	PORTABLE COMBUSTION TURBINE WASH SKID FOUNDATION	Calc		10/29/2011	10/29/2011					12/15/2011	12/15/2011				
	PORTABLE COMBUSTION TURBINE WASH SKID FOUNDATION PLAN	Drwg	SF-072	10/29/2011	10/29/2011					11/15/2011	11/15/2011				
STRUC-1-58.0	FM200 FIRE PROTECTION SKID FOUNDATION	Calc		11/17/2011	11/17/2011					12/22/2011	12/22/2011				
	FM200 FIRE PROTECTION SKID FOUNDATION PLAN, SECTIONS AND DETAILS	Drwg	SF-050	11/17/2011	11/17/2011					12/22/2011	12/22/2011				
STRUC-1-59.0	SCR & STACK FOUNDATION	Calc		6/1/2011	6/1/2011					7/14/2011	7/14/2011				
	SCR & STACK FOUNDATION PLAN	Drwg	SF-018	6/1/2011	6/1/2011					7/14/2011	7/14/2011				
	SCR & STACK FOUNDATION SECTIONS AND DETAILS	Drwg	SF-019	6/1/2011	6/1/2011					7/14/2011	7/14/2011				
	SCR & STACK FOUNDATION SECTIONS AND DETAILS	Drwg	SF-020	6/1/2011	6/1/2011					7/14/2011	7/14/2011				
	SCR SYSTEM PLAN	Drwg	SF-021												
STRUC-1-60.0	GENERAL PAINTING	TSpc	980							12/24/2011					
STRUC-1-61.0	AUX TRANSFORMER ACCESS STEEL	Calc		11/23/2011	11/23/2011					1/6/2012	1/6/2012				
	AUX TRANSFORMER ACCESS STEEL PLANS AND DETAILS	Drwg	ST-003	11/23/2011	11/23/2011					1/6/2012	1/6/2012				
STRUC-1-62.0	STRUCTURAL GENERAL NOTES, ABBREVIATIONS, AND LEGEND	Drwg	SN-000							12/30/2011	02/02/11	03/10/11	03/29/11	07/18/00	07/20/11
STRUC-1-63.0	CTG ACCESS PLATFORMS	Calc		11/18/2011	11/18/2011					12/23/2011	12/23/2011				
	CTG ACCESS PLATFORMS DETAILS	Drwg	ST-007	11/18/2011	11/18/2011					12/23/2011	12/23/2011				
	CTG ACCESS PLATFORMS DETAILS	Drwg	ST-008	11/18/2011	11/18/2011					12/23/2011	12/23/2011				
	CTG ACCESS PLATFORMS PLAN	Drwg	ST-005	11/18/2011	11/18/2011					12/23/2011	12/23/2011				
	CTG ACCESS PLATFORMS PLANS AND DETAILS	Drwg	ST-006	11/18/2011	11/18/2011					12/23/2011	12/23/2011				
STRUC-1-64.0	CTG STEP-UP TRANSFORMER STEEL	Calc		12/7/2011	12/7/2011					1/18/2012	1/18/2012				
	CTG STEP-UP TRANSFORMER STEEL PLANS AND DETAILS	Drwg	ST-002	12/7/2011	12/7/2011					1/18/2012	1/18/2012				
STRUC-1-65.0	ISOPHASE STEEL PLAN, SECTIONS AND DETAILS	Drwg	ST-001	11/18/2011	11/18/2011					1/2/2012	1/2/2012				
STRUC-1-66.0	STRUCTURAL STEEL LOCATION PLAN	Drwg	ST-000	7/12/2011	7/12/2011					8/3/2011	8/3/2011				
STRUC-1-67.0	TYPICAL BASEPLATE AND BRACING SECTIONS AND DETAILS	Drwg	ST-200	12/20/2011	12/20/2011					2/1/2012	2/1/2012				
	TYPICAL EDGE CONDITION SECTIONS AND DETAILS	Drwg	ST-201	12/20/2011	12/20/2011					2/1/2012	2/1/2012				

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	TYPICAL LADDER SECTIONS AND DETAILS	Drwg	ST-202	12/20/2011	12/20/2011					2/1/2012	2/1/2012				
	TYPICAL STAIR SECTIONS AND DETAILS	Drwg	ST-203	12/20/2011	12/20/2011					2/1/2012	2/1/2012				
	TYPICAL HANDRAIL SECTIONS AND DETAILS	Drwg	ST-204	12/20/2011	12/20/2011					2/1/2012	2/1/2012				
STRUC-1-68.0	CONCRETE COATINGS	TSpc	981												
~~**STRUC-1-70.0**~~	~~CONSTRUCTION TEMPORARY WAREHOUSE BUILDING FOUNDATION~~	~~Calc~~	~~990H-01~~			~~02/25/11~~									~~03/21/11~~
	~~TEMPORARY CONSTRUCTION WAREHOUSE BUILDING FOUNDATION PLAN, SECTIONS AND DETAILS~~	~~Drwg~~	~~SF-120~~			~~02/25/11~~			~~03/21/11~~		~~04/22/11~~				
STRUC-1-70.1	Construction Warehouse Foundation	Calc	911D-01		07/01/11	07/21/11	09/01/11				09/15/11				
	CONSTRUCTION WAREHOUSE FOUNDATION PLAN, SECTIONS AND DETAILS	Drwg	SF-120		07/01/11	07/21/11	09/01/11				09/15/11				
	STRUCTURAL DESIGN DATA		990H-CA-0001-001			07/21/11	09/01/11				09/15/11				
	VP BUILDINGS PACKAGE		990H-GA-0001-001			07/21/11	09/01/11				09/15/11				
STRUC-1-71.0	CONSTRUCTION MAINTENANCE BUILDING SLAB	Calc	990H-02			03/04/11									3/25/11/
	TEMPORARY CONSTRUCTION EQUIPMENT MAINTENANCE SLAB FOUNDATION MAINTENANCE SLAB FOUNDATION PLAN, SECTIONS AND DETAILS	Drwg	SF-121			03/04/11			03/25/11			3/25/11/			3/28/11/
STRUC-1-72.0	CONSTRUCTION TEMPORARY TRANSFORMER & SWITCHBOARD FOUNDATIONS	Calc	914Z-01				03/15/11	03/25/11				03/07/11		04/25/11	04/26/11
	TEMPORARY CONSTRUCTION FOUNDATIONS PLANS AND SECTIONS	Drwg	SF-123			03/07/11	03/15/11	03/25/11							03/30/11
STRUC-1-73.0	CONSTRUCTION XFMR SLAB	Calc	914Z-04			06/17/11	06/22/11					07/07/11			07/27/11
	TEMPORARY CONSTRUCTION TRANSFORMER FOUNDATION PLAN AND SECTION	Drwg	SF-122			06/17/11	06/22/11					07/07/11			07/27/11
STRUC-1-74.0	ELECTRICAL MANHOLE MH-2 12X12X8	CALC	12X12X8		08/31/11										
	ELECTRICAL MANHOLE MH-1 12X12X9 PREC. MANHOLE	CALC	12X12X9		08/31/11										
	ELECTRICAL MANHOLE MH-2 12X12X8 PREC. MANHOLE	V DRWG	030-S141287-002		08/31/11										
	ELECTRICAL MANHOLE MH-1 12X12X9 PREC. MANHOLE	V DRWG	030-S141287-001		08/31/11										
	ELECTRICAL MANHOLE MH-3	CALC	12X12X10		08/31/11										
	ELECTRICAL MANHOLE MH-3 12X12X10 PREC. MANHOLE	V DRWG	030-S141287-003		08/31/11										
STRUC-1-80.0	STRUCTURAL DESIGN CRITERIA	Misc.	SDC-001			03/04/11	03/25/11	03/29/11	03/29/11			08/19/11			08/29/11
TSE-1															
TSE-1-1.0	Master Lists			3/15/2011											
	SWITCHYARD EQUIPMENT & MATERIAL LIST		PD01												
	Drawing List														
	Spec List														
	Submittal List														
TSE-2-1.0	CE1RESUME - CIVIL ENGINEER RESUME - OMAR OLIVARES					01/27/11									02/15/11
	EE1RESUME - ELECTRICAL ENGINEER RESUME - CHARLIE SCHWARTZE					01/27/11									02/15/11
	ME1RESUME - MECHANICAL ENGINEER RESUME - JAKE ALBERS					01/27/11									02/15/11
	SE1RESUME - STRUCTURAL ENGINEER RESUME - F. GENE AMRHEIN					01/27/11									02/15/11
	GE1RESUME -GEOLOGIST RESUME - PHILIP MEYMAND					01/27/11									02/15/11
	EE2RESUME - ELECTRICAL ENGINEER RICH JACOBERS					05/25/11									05/27/11
	SE4RESUME - STRUCTURAL ENGINEER RESUME - REID STRAIN					06/24/11									
TSE-4															
TSE-4-1.0	FINAL DESIGN PLANS/SPECS/CALCULATIONS														
TSE-4-2.0	230kV CIRCUIT BREAKERS	Spec	1054			06/28/11				06/15/11					
TSE-4-3.0	230KV breaker shop drawings	Drwg		August											
TSE-4-4.0	High Voltage Structures and Equipment specification			5/10/2011											
	SWITCHYARD STRUCTURES & EQUIPMENT	Spec	1066							07/14/11					

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TSE-4-5.0	High Voltage Structures and Equipment shop drawings			September											
TSE-4-6.0	SWITCHYARD CONTROL/RELAYING	Spec	1057		5/27/2011	06/01/11				07/28/11					REFERENCE
TSE-4-7.0	SWITCHYARD ONE-LINE DIAGRAM UNITS 1 AND 2 230KV SWITCHYARD AND TRANSMISSION	Drwg	PDS-001	10/17/2011	10/17/2011	05/13/11			05/20/11	12/14/11	12/14/11				
	SWITCHYARD ONE-LINE DIAGRAM UNITS 3 AND 4 230KV SWITCHYARD AND TRANSMISSION	Drwg	PDS-002			05/13/11			05/20/11						
	SWITCHYARD ONE-LINE DIAGRAM AC & DC STATION SERVICE	Drwg	PDS-030	10/17/2011	10/17/2011	05/13/11			05/20/11	12/14/11	12/14/11				
TSE-4-8.0	Switchyard AC Station Service One-line Drawing & Distribution Panel Drawing	Drwg	PDS-035	10/17/2011	10/17/2011					12/14/11	12/14/11				
TSE-4-9.0	Switchyard Three-Line Diagram	Drwg	PDS-010	10/28/2011	10/28/2011					01/12/12	01/12/12				
	Switchyard Three-Line Diagram	Drwg	PDS-011	10/28/2011	10/28/2011					01/12/12	01/12/12				
	Switchyard Three-Line Diagram	Drwg	PDS-012	10/28/2011	10/28/2011					01/12/12	01/12/12				
TSE-5															
TSE-5-1.0	SWITCHYARD AND T-LINE DESIGN CRITERIA DOCUMENT	070H	PDSDC-01	3/15/2011	4/6/2011	04/18/11	05/05/11		Reference						
TSE-5-2.0	Switchyard Foundation Plan Drawing	Drwg	PDS-730	9/23/2011	9/23/2011					10/28/11	10/28/11				
	Switchyard Breaker Foundation Drawing	Drwg	PDS-732	9/23/2011	9/23/2011					10/28/11	10/28/11				
	Switchyard Foundation Drawing	Drwg	PDS-733	9/23/2011	9/23/2011					10/28/11	10/28/11				
	SWITCHYARD FOUNDATION DESIGN CALCULATIONS	Calculation	PD04	9/23/2011	9/23/2011					10/28/11	10/28/11				
TSE-5-3.0	SWITCHYARD STRUCTURE LOAD CALCULATIONS	Calculation	PD03	September											
TSE-5-4.0	Switchyard General Arrangement Drawing	Drwg	PDS-500	10/6/2011	5/20/2011					11/11/11	11/11/11	05/20/11			06/07/11
	Switchyard Detail Arrangement Drawing Unit 1	Drwg	PDS-501	10/6/2011	5/20/2011							05/20/11			06/07/11
	Switchyard Detail Arrangement Drawing Units 2& 3	Drwg	PDS-502	10/6/2011	5/20/2011							05/20/11			06/07/11
	Switchyard Detail Arrangement Drawing Unit 4	Drwg	PDS-503	10/6/2011	5/20/2011							05/20/11			06/07/11
	Switchyard Bill of Material	Drwg	PDS-505	10/6/2011	5/20/2011							05/20/11			06/07/11
	Switchyard Elevation Drawing UNITS 1 & 2	Drwg	PDS-510	10/6/2011	5/20/2011					11/11/11	11/11/11	05/20/11			06/07/11
	Switchyard Elevation Drawing UNITS 3 & 4	Drwg	PDS-511	10/6/2011	5/20/2011					11/11/11	11/11/11	05/20/11			06/07/11
	~~GSU Transformer Take-off General Arrangement~~	~~Drwg~~	~~PDS-512~~	~~10/6/2011~~											~~06/07/11~~
	GSU Transformer Take-off Elevation Drawing	Drwg	PDS-513	10/6/2011	5/20/2011					11/11/11	11/11/11	05/20/11			06/07/11
	~~Switchyard Details Drawing~~	~~Drwg~~	~~PDS-514~~	~~10/6/2011~~											~~06/07/11~~
	~~Switchyard Bill of Material Drawing~~	~~Drwg~~	~~PDS-515~~	~~10/6/2011~~											~~06/07/11~~
TSE-5-5.0	SWITCHYARD H-FRAME AND T-LINE STRUCTURE LOADING	Drwg	PDS-700	9/23/2011	9/23/2011					10/28/11	10/28/11				
	SWITCHYARD BUS SUPPORT AND EQUIPMENT STAND LOADING	Drwg	PDS-701	9/23/2011	9/23/2011					10/28/11	10/28/11				
TSE-5-5.1	Plan & Profile Drawing Units 1 & 2 230 KV Generating Tie Line to PG&E Switchyard	Drwg	PDT-800	9/23/2011	9/23/2011	05/23/11			05/07/11	10/28/11	10/28/11				
	Plan & Profile Drawing Units 3 & 4 230 KV Generating Tie Line to PG&E Switchyard	Drwg	PDT-801	9/23/2011	9/23/2011	05/23/11			5/7/2011						
TSE-5-6.0	Switchyard Grounding Plan Drawing	Drwg	PDS-560	10/20/2011	10/20/2011					11/18/11	11/18/11				
	Switchyard Grounding Details Drawing	Drwg	PDS-561	10/20/2011	10/20/2011					11/18/11	11/18/11				
TSE-5-7.0	Switchyard Raceway Plan Drawing	Drwg	PDS-540	11/16/2011	11/16/2011					01/16/12	01/16/12				
	Switchyard Raceway Details Drawing	Drwg	PDS-541	11/16/2011	11/16/2011					01/16/12	01/16/12				
TSE-5-8.0	CB1 Breaker Schematic - Close / Trip Coil 1	Drwg	PDS-100	1/31/2012	1/31/2012					12/02/11	12/02/11				
	CB1 Breaker Schematic - Trip Coil 2	Drwg	PDS-101	1/31/2012	1/31/2012					12/02/11	12/02/11				
	CB2 Breaker Schematic - Close / Trip Coil 1	Drwg	PDS-110	1/31/2012	1/31/2012					12/02/11	12/02/11				
	CB2 Breaker Schematic - Trip Coil 2	Drwg	PDS-111	1/31/2012	1/31/2012					12/02/11	12/02/11				
	CB3 Breaker Schematic - Close / Trip Coil 1	Drwg	PDS-120	1/31/2012	1/31/2012					12/02/11	12/02/11				
	CB3 Breaker Schematic - Trip Coil 2	Drwg	PDS-121	1/31/2012	1/31/2012					12/02/11	12/02/11				

Condition	Title	Deliverable Type	Deliverable No	Target Release Date IFR	Forecast Release Date IFR	ACTUAL SUBMITTAL DATE	CBO COMMENTS	RESUBMITTAL DATE	CBO APPROVED	Target Release Date IFC	Forecast Release IFC	ACTUAL SUBMITTAL DATE	CBO COMMENTS	RESUBMITTAL DATE	CBO APPROVED
	CB4 Breaker Schematic - Close / Trip Coil 1	Drwg	PDS-130	1/31/2012	1/31/2012					12/02/11	12/02/11				
	CB4 Breaker Schematic - Trip Coil 2	Drwg	PDS-131	1/31/2012	1/31/2012					12/02/11	12/02/11				
	CB5 Breaker Schematic - Close / Trip Coil 1	Drwg	PDS-140	1/31/2012	1/31/2012					12/02/11	12/02/11				
	CB5 Breaker Schematic - Trip Coil 2	Drwg	PDS-141	1/31/2012	1/31/2012					12/02/11	12/02/11				
	CB6 Breaker Schematic - Close / Trip Coil 1	Drwg	PDS-150	1/31/2012	1/31/2012					12/02/11	12/02/11				
	CB6 Breaker Schematic - Trip Coil 2	Drwg	PDS-151	1/31/2012	1/31/2012					12/02/11	12/02/11				
	T-Line #1 & T-Line #2 Motor-Operated Disconnect Switch Schematic	Drwg	PDS-160	1/31/2012	1/31/2012					12/02/11	12/02/11				
	Motor-Operated Disconnect Switch Schematic	Drwg	PDS-161	1/31/2012	1/31/2012					12/02/11	12/02/11				
	Motor-Operated Disconnect Switch Schematic	Drwg	PDS-162	1/31/2012	1/31/2012					12/02/11	12/02/11				
	T-Line #1 - Primary Line Relaying Schematic	Drwg	PDS-170	1/31/2012	1/31/2012					12/02/11	12/02/11				
	T-Line #1 - Back-up Line Relaying Schematic	Drwg	PDS-172	1/31/2012	1/31/2012					12/02/11	12/02/11				
	T-Line #2 - Primary Line Relaying Schematic	Drwg	PDS-174	1/31/2012	1/31/2012					12/02/11	12/02/11				
	T-Line #2 - Back-up Line Relaying Schematic	Drwg	PDS-176	1/31/2012	1/31/2012					12/02/11	12/02/11				
	Breaker Failure (50BF) & Synch-check (25) Schematic	Drwg	PDS-180	1/31/2012	1/31/2012					12/02/11	12/02/11				
	Breaker Failure (50BF) & Synch-check (25) Schematic	Drwg	PDS-181	1/31/2012	1/31/2012					12/02/11	12/02/11				
	Breaker Failure (50BF) & Synch-check (25) Schematic	Drwg	PDS-182	1/31/2012	1/31/2012					12/02/11	12/02/11				
	Breaker Failure (50BF) & Synch-check (25) Schematic	Drwg	PDS-183	1/31/2012	1/31/2012					12/02/11	12/02/11				
	Breaker Failure (50BF) & Synch-check (25) Schematic	Drwg	PDS-184	1/31/2012	1/31/2012					12/02/11	12/02/11				
	Breaker Failure (50BF) & Synch-check (25) Schematic	Drwg	PDS-185	1/31/2012	1/31/2012					12/02/11	12/02/11				
	T-Line #1 Revenue Metering Schematic	Drwg	PDS-190	1/31/2012	1/31/2012					12/02/11	12/02/11				
	RTU Schematic	Drwg	PDS-195	1/31/2012	1/31/2012					12/02/11	12/02/11				
TSE-7	AS BUILTS	Drwg													
Temporary Facilities															
Temporary Facilities-1.0	Temporary Facilities				01/25/11	01/25/11		03/01/11							03/24/11
Temporary Facilities-2.0	Electrical One Line Diagram Overall Temporary Power	Drwg	EO-300		02/11/11	02/11/11	02/23/11	03/04/11	03/24/11					05/25/11	03/24/11
	Electrical Panel Schedules Overall Temporary Power	Drwg	EP-300		02/11/11	02/11/11	02/23/11	03/04/11	03/24/11						03/24/11
Temporary Facilities-3.0	Temp Concrete 4000psi														03/18/11
Temporary Facilities-4.0	TEMPORARY TIMBER DECKS FOR SITE CONSTRUCTION TRAILERS	CALC	914Z-02			07/27/11	08/19/11								
Approved Fabricators-1.0															
Comments															
Submitted															
Approved															
Fire Marshall Review															

2.15 GEN-3

Copy of CBO Payment Made for the Month of July 2011

CONTRA COSTA COUNTY-CBO

Vendor –

Name CONTRA COSTA COUNTY-CBO

St	Assignment	DocumentNo	Reference	Type	Doc. Date	PK	Amount in DC	Curr.	Check number	User Name	Text	Clrng doc.
		2000000004		ZV	02/01/2011	25	159,260.00	USD	1061102	00021029		2000000004
	001	5100000003	001	RN	01/11/2011	31	159,260.00-	USD	1061102	00210851		2000000004
		2000000013		ZV	02/23/2011	25	79,630.00	USD	1061624	BATCH_FI		2000000013
	002	5100000007	002	RN	02/01/2011	31	79,630.00-	USD	1061624	00210851		2000000013
		2000000016		ZV	03/10/2011	25	79,630.00	USD	1062038	BATCH_FI		2000000016
	003	5100000011	003	RN	03/01/2011	31	79,630.00-	USD	1062038	00200308		2000000016
		2000000031		ZV	04/15/2011	25	79,630.00	USD	1063082	BATCH_FI		2000000031
	004	5100000019	004	RN	04/01/2011	31	79,630.00-	USD	1063082	00210851		2000000031
		2000000039		ZV	05/23/2011	25	79,630.00	USD	1064000	BATCH_FI		2000000039
	005	5100000024	005	RN	05/03/2011	31	79,630.00-	USD	1064000	00208791		2000000039
		2000000048		ZV	06/23/2011	25	79,630.00	USD	1064777	BATCH_FI		2000000048
	006	5100000032	006	RN	06/01/2011	31	79,630.00-	USD	1064777	00927946		2000000048
		2000000067		ZV	07/28/2011	25	79,630.00	USD	1065750	BATCH_FI		2000000067
	007	5100000044	007	RN	07/01/2011	31	79,630.00-	USD	1065750	00927946		2000000067
*							0.00	USD				
** Account 216950							0.00	USD				

Subsection 2.20(GEN-8)
As of 8-31-2011

Written Notice of Completed Work Ready for Final Inspection	none
Signed Statement that Work Completed Conforms to Final Approved Plans	none

Subsection 2.23 (PALEONTOLOGICAL 4)

As of 8-31-2011

Worker Environmental Awareness Program Matrix

Date	**Numbers**
8/30/2011	5
Total	**5**

Marsh Landing Generating Station

WORKER ENVIRONMENTAL AWARENESS PROGRAM
WORKER TRAINING ATTENDANCE RECORD

Trainer: Eric Campbell
Date: 07/18/11
Training: WEAP
(for office use only)

I have attended the Marsh Landing Generating Station Project **Worker Environmental Awareness Program Worker Training** and understand and agree to comply with all environmental requirements presented. I understand that I am accountable for my actions and that failure to comply with the requirements may be grounds for immediate removal from the project and/or legal action.

	SIGNATURE	PRINT NAME	COMPANY/AFFILIATION	
1.		LARRY CHERRY	KIW	Dave 7/19/11
2.		Lesley Weadow	KPC	7/18/11
3.		Dave Leach	KPC	7/19/11
4.		Jim Marshall	PCS	7-21-11
5.		VINCENT SILVA	Kiewit	7-21-11
6.		Stephen A. Widen	Kiewit	7/21/2011
7.		Doug Goettsch	Kiewit	7/21/11
8.		Rob McCombs	Kiewit	7/21/11
9.				
10.				
11.				
12.				
13.				
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16.				
17.				
18.				
19.				
20.				

Marsh Landing Generating Station

WORKER ENVIRONMENTAL AWARENESS PROGRAM
WORKER TRAINING ATTENDANCE RECORD

Trainer: Raja Ponniah
Date: 8/30/2011
Training: WEAP
(for office use only)

I have attended the Marsh Landing Generating Station Project **Worker Environmental Awareness Program Worker Training** and understand and agree to comply with all environmental requirements presented. I understand that I am accountable for my actions and that failure to comply with the requirements may be grounds for immediate removal from the project and/or legal action.

	SIGNATURE	PRINT NAME	COMPANY/AFFILIATION	Date
1.				
2.	Sean Crane	SEAN CRANE	CCS	8/30/11
3.	Ryan J. Blevens	Ryan Blevens	CCS	8/30/11
4.	[illegible]	Axel Anderlalm	CCS	8/30/11
5.	Jon Montoya	Jon Montoya	CCS	8/30/11
6.	Adrian Sanchez	Adrian Sanchez	CCS	8/30/11
7.	[illegible]	Nathaniel Pritzl	CCS	9/1/11
8.	Larry J. Singleton	Larry Singleton	CCS	9/1/11
9.	[illegible]	Maurice Ward Jr	FCI	9/6/11
10.	Bob Ford	Bob Ford	PKS	9-6-11
11.	Kevin Bartosek	Kevin W Bartosek	PKS	9-6-11
12.	Greg Gilman	Greg Gilman	PKS	9-6-11
13.	Craig Azevedo	Craig Azevedo	PKS	9-6-11
14.	Kathleen Kubal	Kathleen Kubal	URS	9/6/11
15.	[illegible]	JAMES GREG	KIEWIT	9/7/11
16.	M Nicholas	Michael Nicholas	Foundation	9/8/11
17.	Stacy Ball	STACY BALL	URS	9-8-11
18.	Joliena Avalos	JOLIENA AVALOS	PKS	9/08/11
19.				
20.				

Paleontological Resources Report Subsection 2.24
Marsh Landing Generating Station (08-AFC-3C)

August 2011

September 8, 2011

Christine Stora
Compliance Project Manager
California Energy Commission
1516 Ninth Street, MS-2000
Sacramento, CA 95814-5512

RE: Marsh Landing Generating Station (08-AFC-3C) Monthly Monitoring Summary Report, Paleontological Resources

Dear Mr. Douglas:

This letter report summarizes the paleontological resources monitoring activities which took place at the Marsh Landing Generating Station (MLGS) construction site in August 2011.

Project Description

The proposed MLGS site is located in unincorporated Contra Costa County, California, approximately one-tenth of a mile from the current City of Antioch limits and just west of State Route (SR) 160. Surrounding land uses include the existing Contra Costa Power Plant (CCPP) to the north, east and south, the Pacific Gas and Electric (PG&E) electrical switchyard to the south, the PG&E Gateway Generating Station to the east, a large vacant lot that was previously used for industrial (paper making) purposes to the west, and the San Joaquin River to the north.

The MLGS site will occupy approximately 27 acres on the western portion of the CCPP site formerly occupied by five #6 fuel oil tanks and an area to the east of the former tank farm. The proposed MLGS site, construction laydown areas, and project linear routes are mostly contained within the existing CCPP property and are highly disturbed or developed due to ongoing CCPP operations, recently completed demolition of five fuel oil tanks on the site, and construction of the Gateway Generating Station. The project includes a new wastewater pipeline to convey process and sanitary wastewater to the City of Antioch's sewer main on Wilbur Avenue. The majority of the MLGS site is composed of paved, graveled, or bare ground surfaces with very sparse ruderal and ornamental vegetation.

Paleontological Resources Monitoring

In accordance with Condition of Certification PAL-5 to ensure that there are no impacts to undiscovered resources, the Paleontological Resources Specialist (PRS) or Paleontological Resources Monitors (PRMs) will monitor all construction-related grading, excavation, trenching, and augering in areas where potential fossil-bearing materials have been identified.

Full- time paleontological monitoring requires at least one monitor per excavation area where earthmoving equipment is actively removing native soils. If an excavation area is too large for one monitor to effectively observe the soil removal, one or more additional monitors are retained to observe the area.

In the event that the PRS determines that the current level of monitoring is not appropriate in certain locations, the CEC's Compliance Project Manager (CPM) shall be notified by letter or e-mail detailing

the justification for the change in the level of monitoring. This request will be reviewed and must be approved by the CPM prior to any change in monitoring level.

Paleontological resources monitoring activities are the responsibility of the PRS. Any interference with monitoring activities, removal of a monitor from duties assigned by the PRS, or direction to a monitor to relocate monitoring activities by anyone other than the PRS shall be considered non-compliance with the COCs.

Monitoring Activities

Paleontological resources monitoring activities at the MLGS site for the month of August included monitoring during trenching along the power block on August 1 and 3, pile driving on August 9-12, 15-19, 24-26, and 29-31, warehouse pad grading on August 4, pond lining on August 8, trenching between completed piles on August 22, and trenching to remove oil pipes on August 23, 24, and 26. One PRM was on site on each day, except for August 29-31 when two were present because of discoveries in the pile driving spoils. On August 8, URS petitioned to the CEC to reduce monitoring on pile driving. On August 22, the CEC agreed to permit limitation of pile driving monitoring to two days/week. Possible paleontological resources were discovered on two days (August 26 and 31). The age of the specimens is currently unknown, but they exhibit some permineralization and are probably of Pleistocene age. Full-time monitoring of pile driving in the northern part of the area was reinstituted on August 29.

Activities and observations are summarized in Table 1 below, and Daily Monitoring Logs are attached to this letter report.

Table 1. Summary of Paleontological Resources Monitoring Activities, August 2011.

Date	Monitors	Activities/Observations	Discoveries
08.1.2011	Richard Serrano	Trenching along power block	None
08.2.2011	Richard Serrano	Trenching along power block Pile driving	None
08.3.2011	Joe Fayer	Trenching along power block	None
08.4.2011	Ben Elliott	Warehouse pad grading	None
08.8.2011	Annette Cornelius	Pile driving, pond lining	None
08.9.2011	Annette Cornelius	Pile driving	None
08.10.2011	Annette Cornelius	Trenching and pile driving N of shack	None
08.11.2011	Annette Cornelius	Trenching, pile driving	None
08.12.2011	Annette Cornelius	Trenching and pile driving N of shack	None

Date	Monitors	Activities/Observations	Discoveries
08.15.2011	Teresa Butler	Trenching and pile driving	None
08.16.2011	Teresa Butler	Trenching and pile driving	None
08.17.2011	Teresa Butler	Trenching and pile driving	None
08.18.2011	Annette Cornelius	Trenching and pile driving N of shack	None
08.19.2011	Annette Cornelius	Pile driving and pot holing	None
08.22.2011	Annette Cornelius	Trenching between completed piles	None
08.23.2011	Annette Cornelius	Trenching to remove pipes	None
08.24.2011	Annette Cornelius	Trenching in duct bank, oil pipe removal, pile driving	None
08.25.2011	Annette Cornelius	Trenching in duct bank, oil pipe removal, pile driving	None
08.26.2011	Annette Cornelius	Trenching in duct bank, oil pipe removal, pile driving	Rodent teeth
08.29.2011	Annette Cornelius, Teresa Butler	Pile driving and trenching	None
08.30.2011	Annette Cornelius, Teresa Butler	Pile driving and trenching	None
08.31.2011	Annette Cornelius, Teresa Butler	Pile driving and trenching	Mammal claw

Conditions/LORS Compliance

On August 9 and 23, excavations were made after the paleontological resource monitor had left, and the monitor had not been notified that these would take place. The monitor communicated to GenOn the difficulty of getting accurate information on scheduled earth-moving activities. No recurrence has been reported.

Summary and Conclusions

Paleontological resources monitoring took place between August 1 and August 31, 2011. One PRM was onsite per day on August 1, 2, 3, 4, 8, 9, 10, 11, 12, 15, 16, 17, 18, 19, 22, 23, 24, 25, and 26. Two monitors were onsite on August 29, 30 and 31. With the exception noted above, all ground disturbing activities in previously undisturbed sediments throughout the MLGS project area were monitored. Possible paleontological resources were discovered on two days. Monitoring is ongoing, and will

continue full-time during trenching. Monitoring of pile driving may be full-time or part-time, depending on the areas being drilled. Processing of sediment samples will continue as possible.

Sincerely,

Joe Stewart
Paleontological Resources Specialist, Marsh Landing Generating Station

Attachments: Monitoring Logs

cc: David Frandsen, GenOn
Nick Hontuchan, GenOn
Anne Connell, URS

Attachment A

Daily Paleontological Resources Monitoring Logs
August 2011
Marsh Landing Generating Station

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: Aug.. 1 , 2011

Page: 1 of 1

Monitor: Richard Serrano

Total Hrs: 6.5 **Total Mi:** 257

Project areas monitored:

Trenching along east side of power block

Time in: 7:00 AM

Time out: 2:00 PM

Fossils: No paleo resources were discovered today.

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults

Gravel base over laying fine sands.

Lithology: ***Grain size*** Fine ***Color:*** tan ***Texture:*** _____ ***Sorting:*** _____

Sed: (mud/s silt/s sand/s lime/s shale conglomerate breccia concretions) Weathering: fissile / indurate /

Mineralization: caliche / siliceous / paleosol / alluvium / lag deposits / _____

Site conditions & personnel: (non-compliance / hazards / weather / safety concerns / visitors)

Breezy and cool, sunny

Excavation conditions: (status / equipment / cuts / access) Accces is safe.

using 315 CAT excavator

Other Observations & Comments:

Trench width is 3 ft. and is 2.5 ft. in depth. Approx 150 ft. of trench was completed today.

Field Number: _____ **Field ID:** _____ **Datum: NAD 27 CONUS**_____

Condition: (poor / fair / good / excellent / damaged / partial / whole)

Approx. age:

Soils:

Location: (pads / cuts /landmarks)

Fate of Locality: (accessible / buried / graded away)

Coordinates:UTM:_____**E/**_____**N// Lat. N**_____**Long. W**_____**Elev.**____

Number of specimens / paperbags / boxes / samples / bags of matrix:_____

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

Project Name: Marsh Landing Generation Station

Project Number: P/LD 28067850.13000

Project Location: Marsh Landing

County: Contra Costa

Date: Aug 2, 2011

Page: 1 of 1

Monitor: Richard Sarmo

Total Hrs: 6.5 Total Mi: 256

Project areas monitored: Time in: 6:37 AM

Drilling for piles, Excavation for dust banks Time out: 4:30 PM

Fossils: No fossil discoveries were made today.

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults

No noted today. No good side wall profiles.

Lithology: Grain size: (F+M/C) Color: Tan Texture: Sorting:

Sed: (mud/s silt/s sand/s lime/s shale conglomerate breccia concretions) Weathering: fissile / indurate /

Mineralization: caliche / siliceous / paleosol / alluvium / lag deposits / N/A

Site conditions & personnel: (non-compliance / hazards / weather / safety concerns / visitors)

Cool w/ light breeze in morne

No Safety Concerns.

Excavation conditions: (status / equipment / cuts / access) Good

Excavations using cat 325 & 315 units

Other Observations & Comments:

Crews Stop work early. Brick on Tue.

(3) 5 gal. bucket processed today.

Field Number: Field ID: Datum: NAD 27 CONUS

Condition: (poor / fair / good / excellent / damaged / partial / whole)

Approx. age:

Soils:

Location: (pads / cuts /landmarks)

Fate of Locality: (accessible / buried / graded away)

Coordinates: UTM: E/ N/ Lat. N Long. W Elev.

Number of specimens / paperbags / boxes / minutes (hours if multi)

Appendix D: This page can be duplicated and copies completed daily by each CRM.

Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 8.3.11 Monitor Name: J. Fayer

Weather Conditions: Sunny Windy
Hours on Site Not Worked and Reason:
Work Location (Project Component): "warehouse pad"
Work Type (Machine): Pot-holing
Depth of Excavation: 3-4' bgs
Observed Native Soils (Stratigraphy): No Native Soils
Disturbed/Redeposited Soils: All soils redeposited
Features:
N/A

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, stratigraphic context.):
N/A

Assessment of Significance of Any Finds? (As recommended by the CRS):
N/A

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling):
N/A
- Kiewit using "shop-vac" rig mounted on a flatbed truck. Pot-holing about 3 feet deep 6" wide. All soils seen today are previously disturbed.
- No Cultural Resources observed today

Appendix D: This page can be duplicated and copies completed daily by each CRM.

Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 8-4-11 Monitor Name: BEN ELLIOTT (URS)

Weather Conditions: SUNNY / LIGHT WIND ≈ 76°
Hours on Site ~~Not Worked and Reason~~: 0700 – 1430
Work Location (Project Component): SE corner of Rewitt parking ? in new plant foot print
Work Type (Machine): CAT 314D-L (track ex.), CAT dozer (D6?) INTERMITTENT EXCAVATIONS
Depth of Excavation: 3-4 ft. bgs
Observed Native Soils (Stratigraphy): all soils likely redeposited native: SAND, light brown
Disturbed/Redeposited Soils: ↓
Features:

Ø

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, stratigraphic context.):

Ø

Assessment of Significance of Any Finds? (As recommended by the CRS):

Ø

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling):

Ø

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

2.24 PAL-5

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 8 Aug 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 8 **Total Mi:** 160

Project areas monitored: pile driving, pond liner

Time in: 7:00

Time out: 3:30

Fossils: none observed

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults

sands with some silt

Lithology: ***Grain size:*** (F / M / C) ***Color:*** tan-tan yellow ***Texture:*** — ***Sorting:*** well

Sed: (mud/s silt/s sand/s lime/s shale conglomerate breccia concretions) Weathering: fissile / indurate / none

Mineralization: caliche / siliceous / paleosol / alluvium / lag deposits / none

Site conditions & personnel: (non-compliance / hazards / weather / safety concerns / visitors)

Excavation conditions: (status / equipment / cuts / access) drill rig, shoveling

Other Observations & Comments:

Second pile driving rig up by Wed, scraping for foundation, water well drilling by end of the month.
7 piles completed

Field Number: _____ **Field ID:** _____ **Datum: NAD 27 CONUS** _____

Condition: (poor / fair / good / excellent / damaged / partial / whole)

Approx. age:

Soils:

Location: (pads / cuts /landmarks)

Fate of Locality: (accessible / buried / graded away)

Coordinates:UTM: _____ **E/** _____ **N// Lat. N** _____ **Long. W** _____ **Elev.** _____

Number of specimens / paperbags / boxes / samples / bags of matrix:

CRM TECH PALEONTOLOGICAL FIELD SUMMARY

2.24 PAL-5

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 9 Aug 2014

Page: 1 of 1

Monitor: Annette Cancelik

Total Hrs: 5 **Total Mi:** 160

Project areas monitored: pile driving

Time in: 7:00

Time out: 12:00

Fossils: none observed

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults

Sands w/ some Silt

Lithology: ***Grain size:*** (F / M / C) ***Color:*** tan ***Texture:*** ***Sorting:*** well

Sed: (mud/s silt/s sand/s lime/s shale conglomerate breccia concretions) Weathering: fissile / indurate / none

Mineralization: caliche / siliceous / paleosol / alluvium / lag deposits / none

Site conditions & personnel: (non-compliance / hazards / weather / safety concerns / visitors)

Excavation conditions: (status / equipment / cuts / access) pile driver, shovel

Other Observations & Comments:

Seven piles completed by noon. Steve Bray started trenching would occur next - Friday. Warehouse pad not for another two weeks. No other excavations for that day (no excavations at all w/ exception of in the pile driving area 2 1 foot cut/fill)

Field Number: **Field ID:** **Datum: NAD 27 CONUS**

Condition: (poor / fair / good / excellent / damaged / partial / whole)

Approx. age:

Soils:

Location: (pads / cuts /landmarks)

Fate of Locality: (accessible / buried / graded away)

Coordinates:UTM: E/ N// Lat. N Long. W Elev.

Number of specimens / paperbags / boxes / samples / bags of matrix:

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 10 Aug 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 8 **Total Mi:** 160

Project areas monitored: pile driving and trenching N of security shack

Time in: 7:00

Time out: 3:30

Fossils: None observed

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults

massive sand w/ some silt in pile driving and some turbidite mottling in trench area

Lithology: *Grain size:* (F / M / C) *Color:* tan *Texture:* _____ *Sorting:* well

Sed: (mud/s silt/s sand/s lime/s shale conglomerate breccia concretions) Weathering: fissile / indurate / none

Mineralization: caliche / siliceous / paleosol / alluvium / lag deposits / none

Site conditions & personnel: (non-compliance / hazards / weather / safety concerns / visitors)

arrived on-site, and noticed grading occured in 'parking lot' areas. Steve did not indicate any such ground disturbance the day before.

Excavation conditions: (status / equipment / cuts / access) excavator, shovels, pile driving, augering

Other Observations & Comments: spoke to Dave Frandsen regarding issue.

11 piles completed by original crew and 5 piles completed by new crew

trenching extending existing utility trench N. 4'1/2 ft deep; 7ft wide w/ stage 10 ft wide 2 20ft long + some Ground water intrusion in trench

Field Number: _____ **Field ID:** _____ **Datum:** NAD 27 CONUS

Condition: (poor / fair / good / excellent / damaged / partial / whole)

Approx. age:

Soils:

Location: (pads / cuts /landmarks)

Fate of Locality: (accessible / buried / graded away)

Coordinates:UTM: _____ E/ _____ N// Lat. N _____ Long. W _____ Elev. ____

Number of specimens / paperbags / boxes / samples / bags of matrix: _____

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

2.24 PAL-5

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 11 Aug 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 8 **Total Mi:** 160

Project areas monitored: pile driving, trenching

Time in: 7:00

Time out: 3:30

Fossils: none observed

Stratigraphy: (turbidites) / bioturbation / channels / beds / laminations / (massive) / contacts / faults

massive sand with some silt in piles w/ some chert rocks

turbidite mottling in trench.

Lithology: ***Grain size:*** (F) / M / C) ***Color:*** tans ***Texture:*** ***Sorting:*** well

Sed: (mud/s silt/s sand/s lime/s shale conglomerate breccia concretions) Weathering: fissile / indurate / none

Mineralization: caliche / siliceous / paleosol / alluvium / lag deposits / none

Site conditions & personnel: (non-compliance / hazards / weather / safety concerns / visitors)

none observed

Excavation conditions: (status / equipment / (cuts) / access) trenching continued N of security shack extending N. reinforced utilities encountered during excavations

Other Observations & Comments:

#14 piles completed by original crew and 11 piles completed by second crew

Field Number: **Field ID:** **Datum:** NAD 27 CONUS

Condition: (poor / fair / good / excellent / damaged / partial / whole)

Approx. age:

Soils:

Location: (pads / cuts /landmarks)

Fate of Locality: (accessible / buried / graded away)

Coordinates:UTM: E/ N// Lat. N Long. W Elev.

Number of specimens / paperbags / boxes / samples / bags of matrix:

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 12 Aug 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 8 **Total Mi:** 160

Project areas monitored: pile driving and utility trenching N of excavation shack

Time in: 7:00

Time out: 3:30

Fossils: none observed

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults

turbidites in trench - silty sand. Top 2.5-3 ft dk brown bottom 2-2.5 ft yellow brown to brown massive sands w/ clay leaches and some silt and chert rocks

Lithology: ***Grain size:*** (F / M / C) ***Color:*** ***Texture:*** ***Sorting:*** well

Sed: (mud/s silt/s sand/s lime/s shale conglomerate breccia concretions) Weathering: fissile / indurate / none

Mineralization: caliche / siliceous / paleosol / alluvium / lag deposits / none

Site conditions & personnel: (non-compliance / hazards / weather / safety concerns / visitors)

limited access to spoils of pile driving for team 2, due to safety - orientation of pile

Excavation conditions: (status / equipment / cuts / access) pile driving shack, excavator

Other Observations & Comments:

14 piles completed by team 1 and 16 piles completed by team 2

trench between 4.5-5.5 ft deep ≈ 90 ft long and between 10 ft w/slope 13 ft wide and 6.5 ft w/slope ≈ 9.5 ft wide.

Field Number: **Field ID:** **Datum: NAD 27 CONUS**

Condition: (poor / fair / good / excellent / damaged / partial / whole)

Approx. age:

Soils:

Location: (pads / cuts /landmarks)

Fate of Locality: (accessible / buried / graded away)

Coordinates:UTM: E/ N// Lat. N Long. W Elev.

Number of specimens / paperbags / boxes / samples / bags of matrix:

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

Project Name: _____

Project Number: _____

Project Location: Marsh Landing

County: Contra Costa

Date: ~~15-Sep-08~~ 15-Aug-11

Page: 1 of 1

Monitor: Teresa K. Butler

Total Hrs: 8 **Total Mi:** 162

Project areas monitored: Pile Driving + Trenching (adjacent east of tank

Time in: 0700

Time out: 1530

Fossils: no significant fossils found

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults

massive silty sands w/ gravels; occasional clay lenses are organic rich; Groundwater encountered @ 20-25 ft approximately. contacts between Fill + undisturbed sediments are unknown.

Lithology: *Grain size:* (F/M/C) *Color:* tan to red/brown *Texture:* subang to rounded *Sorting:* poor

Sed: (mud/s silt/s sand/s lime/s shale conglomerate breccia concretions) Weathering: fissile / indurate /

Mineralization: caliche / siliceous / paleosol / alluvium / lag deposits / DG with labile muscovite + sericite

Site conditions & personnel: (non-compliance / hazards / weather / safety concerns / visitors)

Sunny + 90°; 2 pile rigs + 1 excavator w/ 2' bucket

Excavation conditions: (status / equipment / cuts / access) ~~n/a~~ 30' x 1' diameter borings / 15' pits. Trenching to 15'; numerous utilities

Other Observations & Comments: monitored drilling + spoils piles; monitored trenching + inspected the stockpiles. utilities present sediments are moist until wet.

Field Number: _____ **Field ID:** _____ **Datum: NAD 27 CONUS** _____

Condition: (poor / fair / good / excellent / damaged / partial / whole) _____ **Approx. age:** _____

Soils: _____

Location: (pads / cuts /landmarks) _____

Fate of Locality: (accessible / buried / graded away) _____

Coordinates:UTM: _____ **E/** _____ **N/ Lat. N** _____ **Long. W** _____ **Elev.** ____

Number of specimens / paperbags / boxes / samples / bags of matrix: _____

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

Project Name: ____

Project Number: ____

Project Location: Marsh Landing

County: Contra Costa

Date: ~~15Sep08~~ 16-Aug-11

Page: 1 of 1

Monitor: Teresa K. Butler

Total Hrs: 8 **Total Mi:** 162

Project areas monitored: Pile Driving & Trenching (adjacent east of tank)

Time in: 0700

Time out: 1530

Fossils: no significant fossils found

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults

massive silty sands w/ gravels; Occasional clay lenses are organic rich; groundwater encountered @ 15-20 ft approximately. Contacts between Fill & undisturbed sediments are unknown.

Lithology: ***Grain size:*** (F/M/C) ***Color:*** tan to red/brown ***Texture:*** Sub Ang to Rounded ***Sorting:*** Poor

Sed: (mud/s silt/s sand/s lime/s shale conglomerate breccia concretions) Weathering: fissile / indurate /

Mineralization: caliche / siliceous / paleosol / alluvium / lag deposits / DG with labile micas (muscovite & sericites)

Site conditions & personnel: (non-compliance / hazards / weather / safety concerns / visitors)

sunny and 90°; 2 pile rigs & 1 excavator w/ 2' bucket

Excavation conditions: (status / equipment / cuts / access) ~~[illegible]~~ 30' x 1' diameter borings followed by 45' piles; trenching to 5' numerous utilities

Other Observations & Comments: monitored drilling spoils; monitored trenching & inspected the stockpiles; utilities are present

Sediments are moist until wet @ approximately 15-20 ft.

Field Number: ____ **Field ID:** ____ **Datum: NAD 27 CONUS** ____

Condition: (poor / fair / good / excellent / damaged / partial / whole) ____

Approx. age: ____

Soils: ____

Location: (pads / cuts /landmarks) ____

Fate of Locality: (accessible / buried / graded away) ____

Coordinates: UTM: ____ **E/** ____ **N// Lat. N** ____ **Long. W** ____ **Elev.** ____

Number of specimens / paperbags / boxes / samples / bags of matrix: ____

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

Project Name: _____

Project Number: _____

Project Location: Marsh Landing

County: Contra Costa

Date: ~~15-Sep-08~~ 17-Aug-11

Page: 1 of 1

Monitor: Teresa K Butler

Total Hrs: 8 **Total Mi:** 162

Project areas monitored: Pile Driving & Trenching (adjacent east of tank)

Time in: 0700

Time out: 1530

Fossils: no significant fossils found

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults

Massive silty sands w/ gravels; Occasional clay lenses; Organic rich; groundwater @ 20-25 ft approximately
contact between Fill & undisturbed sediments is unknown

Lithology: ***Grain size:*** (F/M/C) ***Color:*** tan-red/brown ***Texture:*** Subang to rounded ***Sorting:*** poor
Sed: (mud/s silt/s sand/s lime/s shale conglomerate breccia concretions) Weathering, fissile / indurate /
Mineralization: caliche / siliceous / paleosol / alluvium / tag deposits / DG w/ labile mica (muscovite & sericite)

Site conditions & personnel: (non-compliance / hazards / weather / safety concerns / visitors)

Sunny & 90°F

Excavation conditions: (status / equipment / cuts / access) 1 Pile Driver 30 ft x 1 ft diameter borings followed by 45' piles; Trenching to 5 feet, utilities present

Other Observations & Comments:

sediments are moist until they become wet.

1 Pile Rig & 1 excavator w/ 2' bucket. Monitored drilling & spoils; monitored trenching & inspected the stockpiles. 2nd Pile Rig started @ 1350 after maintenance of the hammer.

Field Number: _____ **Field ID:** _____ **Datum:** NAD 27 CONUS

Condition: (poor / fair / good / excellent / damaged / partial / whole)

Approx. age:

Soils:

Location: (pads / cuts /landmarks)

Fate of Locality: (accessible / buried / graded away)

Coordinates:UTM: _____ **E/** _____ **N// Lat. N** _____ **Long. W** _____ **Elev.** ____

Number of specimens / paperbags / boxes / samples / bags of matrix: _____

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

2.24 PAL-5

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 18 Aug 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 8 **Total Mi:** 160

Project areas monitored: pile driving and trenching N of Security Shack

Time in: 7:00

Time out: ~~3:30~~ 4:00

Fossils: none observed

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults)
turbidites in the trench - silty sands brown to dark brown w/ chert rocks
massive sand dune in pile driving - brown to tan

Lithology: ***Grain size:*** (F / M / C) ***Color:*** ~~light brown~~ to ***Texture:*** _____ ***Sorting:*** well
Sed: (mud/s silt/s sand/s lime/s shale conglomerate breccia concretions) Weathering: fissile / indurate / none
Mineralization: caliche / siliceous / paleosol / alluvium / lag deposits / none

Site conditions & personnel: (non-compliance / hazards / weather / safety concerns / visitors)

Excavation conditions: (status / equipment / cuts / access) continued pile driving 12 team A completed 12 team B
trenching to continue into next week - will remove 120 ft of pipe, lack fin
Other Observations & Comments: and trench again to install utility pipe. at
higher elevation than original pipe in same foot print.
found out @ 3:30 pile driving is 10 hrs a day.

Field Number: _____ **Field ID:** _____ **Datum:** NAD 27 CONUS

Condition: (poor / fair / good / excellent / damaged / partial / whole)

Approx. age:

Soils:

Location: (pads / cuts /landmarks)

Fate of Locality: (accessible / buried / graded away)

Coordinates:UTM: _____ **E/** _____ **N// Lat. N** _____ **Long. W** _____ **Elev.** ____

Number of specimens / paperbags / boxes / samples / bags of matrix:

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 19 Aug 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 8 **Total Mi:** 160

Project areas monitored: pile driving, pot holing

Time in: 7:00

Time out: 3:30

Fossils: none observed

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults

massive sand ~~dune~~ dune deposits with semi rounded 1-7 inch rocks of chert, clay, chalk, asphalt

Lithology: ***Grain size:*** (F / M / C) ***Color:*** tan to brown ***Texture:*** _____ ***Sorting:*** well

Sed: (mud/s silt/s sand/s lime/s shale conglomerate breccia concretions) Weathering: fissile / indurate / none

Mineralization: caliche / siliceous / paleosol / alluvium / lag deposits / none

Site conditions & personnel: (non-compliance / hazards / weather / safety concerns / visitors)

Excavation conditions: (status / equipment / cuts / access) pile drivers, chonks, high pressure water

13 piles completed per team

Other Observations & Comments:

Field Number: _____ **Field ID:** _____ **Datum: NAD 27 CONUS** _____

Condition: (poor / fair / good / excellent / damaged / partial / whole)

Approx. age:

Soils:

Location: (pads / cuts /landmarks)

Fate of Locality: (accessible / buried / graded away)

Coordinates:UTM: _____ **E/** _____ **N// Lat. N** _____ **Long. W** _____ **Elev.** ____

Number of specimens / paperbags / boxes / samples / bags of matrix:

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

2.24 PAL-5

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 22 Aug 2001

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 8 **Total Mi:** 160

Time in: 7:00

Time out: 3:30

Project areas monitored:
trenching between completed piles, pile driving

Fossils: none observed

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults
no bedding observed in trenching between piles

Lithology: ***Grain size:*** (F / M / C) ***Color:*** tan w/ dk brown lenses ≈ 15 ft ***Texture:*** ***Sorting:*** well
Sed: (mud/s silt/s sand/s lime/s shale conglomerate breccia concretions) Weathering: fissile / indurate /
Mineralization: caliche / siliceous / paleosol / alluvium / lag deposits / none

Site conditions & personnel: (non-compliance / hazards / weather / safety concerns / visitors)

Excavation conditions: (status / equipment / cuts / access) 14/15 piles completed by two teams
25 x 50 x 7 ft deep trench half-way completed - top 4 ft in fill (approximately)

Other Observations & Comments:
trenching continued in fill to remove two water lines - monitoring not required due to excavations in fill

Field Number: **Field ID:** **Datum: NAD 27 CONUS**
Condition: (poor / fair / good / excellent / damaged / partial / whole)
Approx. age:
Soils:
Location: (pads / cuts /landmarks)
Fate of Locality: (accessible / buried / graded away)
Coordinates:UTM: E/ N// Lat. N Long. W Elev.
Number of specimens / paperbags / boxes / samples / bags of matrix:

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 23 Aug 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 8 **Total Mi:** 160

Project areas monitored: trenching to remove oil pipes; duct bank Block 1

Time in: 7:00

Time out: 3:45

Fossils: none observed Pile Driving

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults

fined layer (dark brown) in spoils for foundation piles.
collected 5 gal bucket - hand sorted through. Collect another tomorrow to dry screen.

some native material impacted in oil pipe trench. 2-3 ft of native material impacted in duct bank.

Lithology: ***Grain size:*** (F / M / C) ***Color:*** _____ ***Texture:*** _____ ***Sorting:*** _____
Sed: (mud/s silt/s sand/s lime/s shale conglomerate breccia concretions) Weathering: fissile / indurate /
Mineralization: caliche / siliceous / paleosol / alluvium / lag deposits / _____

Site conditions & personnel: (non-compliance / hazards / weather / safety concerns / visitors)
asked Steve to collect spoils from foundation piles, by end of day stated no spoils collected
Darren of foundations was going to speak to Steve's supervisor to help the process along.

Excavation conditions: (status / equipment / cuts / access) : oil pipe removal trench to road / start through roadway
duct bank incomplete - not sure what status is; 14/15 piles completed for both terms respectively.

Other Observations & Comments: monitored duct bank excavations
as top priority, then oil pipe removal 2nd and pile driving last
tried to contact Steve for work tomorrow) - not available to talk on site or phone
Hot day - starting to feel exhausted. O.K. to bring out umbrella.
encouraged to sit in air conditioning every hour for a few minutes (called for 1.5 hrs busy signal)

Field Number: _____ **Field ID:** _____ **Datum: NAD 27 CONUS** _____
Condition: (poor / fair / good / excellent / damaged / partial / whole) _____
Approx. age: _____
Soils: _____
Location: (pads / cuts /landmarks) _____
Fate of Locality: (accessible / buried / graded away) _____
Coordinates:UTM: _____ **E/** _____ **N// Lat. N** _____ **Long. W** _____ **Elev.** ____
Number of specimens / paperbags / boxes / samples / bags of matrix: _____

2.24 PAL-5

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 24 Aug 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 8 **Total Mi:** 160

Project areas monitored: Duct bank Block 1; oil pipe removal trench, pile driving

Time in: 7:00

Time out: 3:30

Fossils: none observed.
found modern bones (one end straight cut sheared off) at the bottom of the oil pipe trench near the utility box - southern end of trench

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults
collected flood layer (dark brown) from pile SE 01B-045 and laid out to dry for dry screening

non-compliance for trench - minimal impact to native as excavations were on boundary of fill and native
non compliance for duct bank - about 1-2 cubic feet of native material impacted.

Lithology: ***Grain size:*** (F / M / C) ***Color:*** tan ***Texture:*** _____ ***Sorting:*** sand well sorted
Sed: (mud/s silt/s sand/s lime/s shale conglomerate breccia concretions) Weathering: fissile / indurate / none
Mineralization: caliche / siliceous / paleosol / alluvium / lag deposits / none

Site conditions & personnel: (non-compliance / hazards / weather / safety concerns / visitors)
a ramp 3ft wide, 15ft long and 1ft deep was cut into the sloped duct bank walls @ 6:30 pm the night before (and) the oil pipe removal trench was excavated approx 20ft after 3:30. - after trying to talk to Steve @ 20 ft away between 3:00-3:20 and calling him for 1.5 hrs with only busy signal.

Excavation conditions: (status / equipment / cuts / access)
continued excavations on Duct bank Block 1 and oil pipe removal trench (27ft in length) excavated during the day

Other Observations & Comments:
Hot day - due to previous heat illness, hard to keep cool

10 piles completed team A; 13 piles completed team B

Field Number: _____ **Field ID:** _____ **Datum: NAD 27 CONUS** _____
Condition: (poor / fair / good / excellent / damaged / partial / whole) _____
_____ **Approx. age:** _____
Soils: _____
Location: (pads / cuts /landmarks) _____
Fate of Locality: (accessible / buried / graded away) _____
Coordinates:UTM: _____ **E/** _____ **N// Lat. N** _____ **Long. W** _____ **Elev.** ____
Number of specimens / paperbags / boxes / samples / bags of matrix: _____

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 25 Aug 2011

Page: 1 of 1

Monitor: Annette Lorwelin

Total Hrs: 8 **Total Mi:** 160

Project areas monitored: Duct bank Block 1; pile driving; NE corner of project

Time in: 7:00

Time out: 3:30

Fossils: none observed

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults

pile driving and Duct Bank Block 1 - sands with silt and clay. Duct bank meddling with slightly darker brown in native

Lithology: ***Grain size:*** (F / M / C) ***Color:*** tan ***Texture:*** _____ ***Sorting:*** sand well sorted

Sed: (mud/s silt/s sand/s lime/s shale conglomerate breccia concretions) Weathering: fissile / indurate / none

Mineralization: caliche / siliceous / paleosol / alluvium / lag deposits / none

Site conditions & personnel: (non-compliance / hazards / weather / safety concerns / visitors)

slightly cooler but still hot

Excavation conditions: (status / equipment / cuts / access) ramp excavated on previously trenched utility trench. 3-4ft wide, 4ft deep and 25ft long

Other Observations & Comments:

Duct bank excavations included several areas.
10ft x 25ft x 6ft deep box; 15ft long x 5ft deep x 3.5ft wide
25ft x 4ft deep x 6ft wide w/ additional 7ft wide for ramp
3.5ft wide, 5ft deep x 25ft long including ramp

Field Number: _____ **Field ID:** _____ **Datum: NAD 27 CONUS** _____

Condition: (poor / fair / good / excellent / damaged / partial / whole)

Approx. age:

Soils:

Location: (pads / cuts /landmarks)

Fate of Locality: (accessible / buried / graded away)

Coordinates: UTM: _____ **E/** _____ **N// Lat. N** _____ **Long. W** _____ **Elev.** ____

Number of specimens / paperbags / boxes / samples / bags of matrix: _____

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

2.24 PAL-5

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 26 Aug 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 8 Total Mi: 160

Project areas monitored:

Time in: 7:00

Time out: 3:30

pile driving, Block/Duct Bank, oil pipe trench N of security shack

Fossils: rodent partial jaw, molar, front tooth, possible fish teeth from wet screen collected 24 August from pile SF018-045

used 1/15 mesh screen

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults

trench and Block/Duct Bank: turbidites

pile driving - massive sand with silty sand and clayey sand lenses

Lithology: *Grain size:* (F / M / C) *Color:* tans *Texture:* _____ *Sorting:* well sorted

Sed: (mud/s silt/s sand/s lime/s shale conglomerate breccia concretions) Weathering: fissile / indurate / none

Mineralization: caliche / siliceous / paleosol / alluvium / lag deposits / none

Site conditions & personnel: (non-compliance / hazards / weather / safety concerns / visitors)

heat a continued concern

Excavation conditions: (status / equipment / auto / access) oil pipe removed 25 Aug 2011 from trench N of security shack. Excavated an additional 2 ft below pipe to a total of 4.5 ft below existing ground surface, 6 ft wide and 360 ft long.

~~Other Observations & Comments~~: Block/Duct Bank excavations: the 10x25x6-7 ft Box excavated 25 Aug 11 was extended to 35 ft long, 20 ft wide, up to 10 ft deep w/ 15 ft x 15 ft x 4-10 ft deep trench connecting 26 Aug excavations to 25 Aug excavations.

Field Number: _____ Field ID: _____ Datum: NAD 27 CONUS _____

Condition: (poor / fair / good / excellent / damaged / partial / whole)

Approx. age:

Soils:

Location: (pads / cuts /landmarks)

Fate of Locality: (accessible / buried / graded away)

Coordinates: UTM: _____ E/ _____ N// Lat. N _____ Long. W _____ Elev. ____

Number of specimens / paperbags / boxes / samples / bags of matrix: _____

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 29 Aug 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 10 **Total Mi:** 160

Project areas monitored: pile driving 7-3:30 trench 3:30-5 with Black Duck Bank

Time in: 7:00

Time out: 5:30 (30 min to pick up 6 5-gal buckets)

Fossils: none observed

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults

SF 017-122 no flood - black/dark brown silty layer collected sample @ ≅15-20 ft below existing ground surface
SF 017-119 and 116 no flood - black/dark brown silty layer no sample collected
SF 017-109 starting to become a dark brown lense @ ≅15-20 ft, collected sample

Lithology: ***Grain size:*** (F / M / C) ***Color:*** _____ ***Texture:*** _____ ***Sorting:*** _____
Sed: (mud/s silt/s sand/s lime/s shale conglomerate breccia concretions) Weathering: fissile / indurate /
Mineralization: caliche / siliceous / paleosol / alluvium / lag deposits / _____

Site conditions & personnel: (non-compliance / hazards / weather / safety concerns / visitors)

Excavation conditions: (status / equipment / cuts / access) trench Tessa was monitoring start monitoring 3:30-5 pm
6ft deep; 5-13 ft wide with slopes; 25 ft long no fossils observed

Other Observations & Comments:
Rig / Team A - 11 piles completed
Rig / Team B - 13 piles completed

Field Number: _____ **Field ID:** _____ **Datum: NAD 27 CONUS**_____
Condition: (poor / fair / good / excellent / damaged / partial / whole) _____
_____ **Approx. age:** _____
Soils: _____
Location: (pads / cuts /landmarks)_____
Fate of Locality: (accessible / buried / graded away) _____
Coordinates:UTM:_____**E/**_____**N// Lat. N**_____**Long. W**_____**Elev.**____
Number of specimens / paperbags / boxes / samples / bags of matrix:_____

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

Project Name: Marsh Landing

Project Number:

Project Location: Marsh Landing

County: Contra Costa

Date: ~~15-Sep-08~~ 29-August 2011

Page: 1 **of** 1

Monitor: Teresa K. Butler

Total Hrs: 8.0 **Total Mi:** 174

Project areas monitored:

Power Block #1 Duck Bank

Time in: 7:15a

Time out: 3:45p

Fossils: ~~unknown~~ unidentifiable black flat rectangular piece 8mm long @ 4ft. depth unidentifiable white rounded pieces approximately 5 to 8mm long @ 7-9ft depth; possibly shell fragments or burrows?

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults

0-4ft (FILL) - Reworked native material (absence of mica flakes) ☆

4-~~7~~ft (Native) - Silty Sand; brown; poorly sorted; decomposed granites with cherts and other unidentifiable opaque lithics and black minerals. Rare chert gravels; MICA FLAKES are prevalent ☆

~~7~~-9ft. (Native) - fine sandy silts with clay; poorly sorted; matrix supported; Rounded sands ≤ 3mm diameter; dark brown matrix; ~~1~~ 5 gallon sample grabbed for screening.

Lithology: ***Grain size:*** (F/M/C) ***Color:*** brown ***Texture:*** Ang ≥ rounded ***Sorting:*** poor

Sed: (mud/s silt/s sand/s lime/s shale conglomerate breccia concretions) Weathering fissile / indurate /

Mineralization: caliche / siliceous / paleosol / alluvium / lag deposits / absent

Site conditions & personnel: (non-compliance / hazards / weather / safety concerns / visitors)

sunny & warm; breezy

Excavation conditions: (status / equipment / cuts / access) CAT 320D LCR w/ 3ft. bucket excavator; excavations were ~~fine~~ dug to ~~precise~~ grade. (measurements)

Other Observations & Comments:

Met with Annette Cornelius, who is the primary paleo monitor for Marsh Landing, and followed her direction.

Field Number: **Field ID:** **Datum:** NAD 27 CONUS

Condition: (poor / fair / good / excellent / damaged / partial / whole)

Approx. age:

Soils:

Location: (pads / cuts /landmarks) Power Block #1 Duck Bank

Fate of Locality: (accessible / buried / graded away)

Coordinates: UTM: E/ N// Lat. N Long. W Elev.

Number of specimens / paperbags / boxes / samples / bags of matrix:

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

2.24 PAL-5

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 30 Aug 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 11.5 **Total Mi:** 160

Project areas monitored: pile driving

Time in: 6:30

Time out: 6:30

Fossils: none identified

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults

Little to no color change (no flood dark brown/black silty layer) sample collected 15-20 feet bgs

SF 018 - 101; 108; 112; 115; 118; 121 (collected @ 5ft dk layer fill? and 15ft bags)

SF 017 - 102; 017; 010; 110; 018; 004 (collected @ 15ft and 25ft); 103, 024

intermediate (starting to become dk brown/blk)

Lithology: ***Grain size:*** (F / M / C) ***Color:*** _____ ***Texture:*** _____ ***Sorting:*** _____

Sed: (mud/s silt/s sand/s lime/s shale conglomerate breccia concretions) Weathering: fissile / indurate /

Mineralization: caliche / siliceous / paleosol / alluvium / lag deposits / _____

Site conditions & personnel: (non-compliance / hazards / weather / safety concerns / visitors)

Discussed w/ Dave Frandsen @ 7:15 and lunch = map of pile locations, explaining sample process, coordinating location for staging sample, identified flood silt layer outline, SVP guidelines

Excavation conditions: [illegible] / equipment / cuts / access) [illegible]

Other Observations & Comments: due to meeting w/ Dave Frandsen in AM.

Rig A = 15 piles (one I missed) = 16 total completed piles

Rig B = 16

asked Jason Re schedule for water well drilling. He will get back to me

Field Number: _____ **Field ID:** _____ **Datum: NAD 27 CONUS** _____

Condition: (poor / fair / good / excellent / damaged / partial / whole)

Approx. age:

Soils:

Location: (pads / cuts /landmarks)

Fate of Locality: (accessible / buried / graded away)

Coordinates:UTM: _____ **E/** _____ **N// Lat. N** _____ **Long. W** _____ **Elev.** ____

Number of specimens / paperbags / boxes / samples / bags of matrix: _____

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

Project Name: Marsh Landing

Project Number:

Project Location: Marsh Landing

County: Contra Costa

Date: ~~15-Sep-08~~ 30-August 2011

Page: 1 of 1

Monitor: Teresa K. Butler

Total Hrs: **Total Mi:** 172

Project areas monitored: Power Block #1, Duct Bank

Time in: 7:00a

Time out: 5:30p

Fossils: unidentifiable white rounded pieces with hollow interiors; whitish material is calcareous and better lithified. Pieces range ≤ 1cm. Possible shell material or burrows or root casts.

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults

0-4 ft (FILL) - Reworked native material (absence of mica flakes) (*)

4-7 ft. (Native) - Silty sand; brown; poorly sorted; decomposed granites with cherts and other opaque minerals and granitic lithics (Absent of gravels) (Mica flakes are prevalent) (*)

and metamorphic lithics →

Excavation final depth 7ft.

Lithology: ***Grain size:*** (F/M/C) ***Color:*** Brown ***Texture:*** Subround ***Sorting:*** poor

Sed: (mud/s silt/s sand/s lime/s shale conglomerate breccia concretions) **Weathering:** fissile / indurate /

Mineralization: caliche / siliceous / paleosol / alluvium / lag deposits / calcareous nodules containing noted fossil fragments

Site conditions & personnel: (non-compliance / hazards / weather / safety concerns / visitors)

Sunny & warm & breezy

Excavation conditions: (status / equipment / cuts / access) 2 excavators working within the Power Block #1 Duct Bank area due to grade (measurements)

Other Observations & Comments: Dug 30ft. South & 30ft. West trenches

Met with Annette Cornelius of URS who is the primary paleo monitor for Marsh Landing, and followed her direction.

(1 COMPOSITE GALLON)

FIELD SCREENED STOCKPILE FROM 7-9 ft. interval DUG ON 29-AUG-2011.

Field Number: **Field ID:** **Datum: NAD 27 CONUS**

Condition: (poor / fair / good / excellent / damaged / partial / whole)

Approx. age:

Soils:

Location: (pads / cuts /landmarks) Power Block #1, Duct Bank

Fate of Locality: (accessible / buried / graded away)

Coordinates:UTM: E/ N// Lat. N Long. W Elev.

Number of specimens / paperbags / boxes / samples / bags of matrix:

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

2.24 PAL-5

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 31 Aug 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 10 **Total Mi:** 160

Project areas monitored: pile driving

Time in: 7.00

Time out: 6.30

Fossils: claw in SF 018-046 collected 30 Aug 2011
N 38° 01' 01.5" ; W 121° 45' 55.34"

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults
SF 018-23; 30, 38, 47 the sand / silty layer with some fossils so far was thinning gradually becoming thinner in these piles (respectively) with the silty / clayey layer darkening underlying
little to no color change in the following pile holes
SF 017-104; 097
SF 005-063; 064; 074; 075

Lithology: ***Grain size:*** (F / M / C) ***Color:*** _____ ***Texture:*** _____ ***Sorting:*** well
Sed: (mud/s silt/s sand/s lime/s shale conglomerate breccia concretions) Weathering: fissile / indurate / none
Mineralization: caliche / siliceous / paleosol / alluvium / lag deposits / none

Site conditions & personnel: (non-compliance / hazards / weather / safety concerns / visitors)

Excavation conditions: (status / equipment / [illegible] / [illegible])
Rig A = 16 completed piles ; Rig B = 17 completed piles

Other Observations & Comments:

Field Number: _____ **Field ID:** _____ **Datum: NAD 27 CONUS**

Condition: (poor / fair / good / excellent / damaged / partial / whole)

Approx. age:

Soils:

Location: (pads / cuts /landmarks)

Fate of Locality: (accessible / buried / graded away)

Coordinates: UTM: _____ E/ _____ N// Lat. N _____ Long. W _____ Elev. ____

Number of specimens / paperbags / boxes / samples / bags of matrix:

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

Project Name: Marsh Landing

Project Number:

Project Location: Marsh Landing

County: Contra Costa

Date: ~~15-Sep-08~~ 31-Aug 2011

Page: 1 of 1

Monitor: Teresa K. Butler

Total Hrs: **Total Mi:** 172

Project areas monitored: Power Block #1; stockpiles

Time in: 7:00a

Time out: 5:30p

Fossils: unidentifiable white, roundish pieces. Calcareous. Pieces ≤ 1cm. possibly burrows or root casts

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults

0-4ft. (FILL) - Reworked native material (absence of mica)

4-6ft. (Native) - Silty sand; brown; poorly sorted; decomposed granites with cherts, metamorphic lithics & some opaque minerals, & granitic lithics.

Excavation final depth 6ft.

Lithology: ***Grain size:*** (F/M/C) ***Color:*** brown ***Texture:*** subrounded/Rounded ***Sorting:*** poor

Sed: (mud/s silt/s sand/s lime/s shale conglomerate breccia concretions) **Weathering:** fissile / indurate /

Mineralization: caliche / siliceous / paleosol / alluvium / lag deposits / calcareous & hematite

Site conditions & personnel: (non-compliance / hazards / weather / safety concerns / visitors)

Sunny & warm & breezy

Excavation conditions: (status / equipment / cuts / access) 2 excavators working within Power Block #1 dug to grade. Dug remaining 30ft & 30ft for both.

Other Observations & Comments:

Met with Annette Cornelius of URS who is the primary paleo monitor for Marsh Landing, and followed her direction.

Field screened bucket samples from pile spoils.

Field Number: **Field ID:** **Datum:** NAD 27 CONUS

Condition: (poor / fair / good / excellent / damaged / partial / whole)

Approx. age:

Soils:

Location: (pads / cuts /landmarks) Power Block #1

Fate of Locality: (accessible / buried / graded away)

Coordinates: UTM: E/ N// Lat. N Long. W Elev.

Number of specimens / paperbags / boxes / samples / bags of matrix:

URS

August 4, 2011

Christine Stora
California Energy Commission
1516 Ninth Street
Sacramento, CA 95814

Dear Ms. Stora:

I am requesting your approval to reduce the level of paleontological resources monitoring at Marsh Landing Generating Station pursuant to CEC Condition of Certification PAL-5 to twice per week. Full time monitoring for paleontological resources has continued for approximately 4 months. During that time, mass grading and recompaction of soil has occurred within the majority of the project area. Although a few fragmentary plant and animal remains have been found, they do not appear to be significant paleontological resources.

Further scheduled ground disturbing activities include pile driving, excavation of a gas line trench, and the drilling of two water wells. These have the potential to encounter previously undisturbed sediments. Pile driving consists of drilling a pilot hole, and then driving the pile. Only the pilot hole drilling process could produce paleontological resources. If no other activities requiring monitoring take place during pile driving, the backdirt from the augering could be conserved and examined for resources when a monitor is there, possibly two times a week. If a monitor saw paleontological resources coming out of a pilot hole, there is no way to go down-hole to retrieve more material; we are limited to the resources in the backdirt, As long as the backdirt is conserved, it does not matter when it is examined.

I communicate with the paleontological resource monitors, the project owner, and the contractor regarding project site activities on a regular basis. The contractor will continue to provide weekly schedules of construction activities. Should ground disturbing activities occur in the schedule, or should trenching, excavation, or well drilling resume, we would resume full time monitoring of such activities as appropriate.

Please contact me if you have any questions or concerns. I thank you for your consideration of this request.

Sincerely,

URS CORPORATION

Joe D. Stewart

Joe Stewart
Paleontological Resources Specialist
cc: David Frandsen
Chuck Hicklin
Anne Connell

URS Corporation
4225 Executive Square, Suite 1600
La Jolla, CA 92037
Tel: 858.812.9292
Fax: 858.812.9293

Subsection 2.25(Soil & Water-2)

As of 8-31-2011

Report of Effectiveness of Drainage , Erosion & Sediment Control

Drainage	No Issue to report
Erosion	No Issue to report
Sedimentation Control	No Issue to report

(Mass Grading commence on May19, 2011 and completed on May 13, 2011)

1.0 There is no known issues with regards to drainage, erosion.

2.0 BMP has been installed on site are per the approved SWPPP and all deficiencies has been addressed and maintained.

3.0 SWPPP inspection & monitoring was performed per the approved SWPPP

CONTRA COSTA COUNTY
Department of Conservation & Development
Building Inspection Division
651 Pine Street, N. Wing – 3rd Floor
Martinez, CA 94553 1229

MARSH LANDING PROJECT TRANSMITTAL

DATE : August 5, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 1

Sent for your ☐ **Information** ☒ **Review** ☐ **As Requested**

The following packages have been returned with comments and/or have been approved. Please, see the attached detailed list of documents included with each package.

STRUC-1-24.0 (CBO-0161)
Approved

Deborah Sandercock, S.E. Supervising Structural Engineer	Marie Taylor Supervising Building Inspector	Gary Faria Senior Grading Inspector

Marsh Landing - CBO Transmittal Report

CBO-0161 **Title** **STRUC-1-24.0** **File No** **015F**

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-SF-008 Rev. 0		Combustion Turbine & Air Inlet Filter Unit #4 Foundation Piling Plan	RS	8/5/2011	8/5/2011	Approved
Drawing	2009-019-SF-007 Rev. 0		Combustion Turbine & Air Inlet Filter Unit #3 Foundation Piling Plan	RS	8/5/2011	8/5/2011	Approved
Drawing	2009-019-SF-006 Rev. 0		Combustion Turbine & Air Inlet Filter Unit #2 Foundation Piling Plan	RS	8/5/2011	8/5/2011	Approved
Drawing	2009-019-SF-005 Rev. 0		Combustion Turbine & Air Inlet Filter Unit #1 Foundation Piling Plan	RS	8/5/2011	8/5/2011	Approved

CONTRA COSTA COUNTY
Department of Conservation & Development
Building Inspection Division
651 Pine Street, N. Wing – 3rd Floor
Martinez, CA 94553 1229

MARSH LANDING PROJECT TRANSMITTAL

DATE : August 5, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 1

Sent for your ☐ **Information** ☒ **Review** ☐ **As Requested**

The following packages have been returned with comments and/or have been approved. Please, see the attached detailed list of documents included with each package.

STRUC-1-36 (CBO-0174)
Approved

Ritchie for

Deborah Sandercock, S.E.
Supervising Structural Engineer

Marie Taylor
Supervising Building Inspector

Gary Faria
Senior Grading Inspector

Marsh Landing - CBO Transmittal Report

CBO-0174 **Title** **STRUC-1-36.0** **File No** **015F**

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Docs	910R-06 Rev 0		Static Excitation Equipment Transformer, Generator Break	RS	8/4/2011	8/5/2011	Approved
Drawing	2009-019-SF-088D rev0		Unit #4 Iso-Phase Support Area Mat Foundation Piling Plan	RS	8/4/2011	8/5/2011	Approved
Drawing	2009-019-SF-088C rev0		Unit #3 Iso-Phase Support Area Mat Foundation Piling Plan	RS	8/4/2011	8/5/2011	Approved
Drawing	2009-019-SF-088B rev0		Unit #2 Iso-Phase Support Area Mat Foundation Piling Plan	RS	8/4/2011	8/5/2011	Approved
Drawing	2009-019-SF-088A rev0		Unit #1 Iso-Phase Support Area Mat Foundation Piling Plan	RS	8/4/2011	8/5/2011	Approved

CONTRA COSTA COUNTY
Department of Conservation & Development
Building Inspection Division
651 Pine Street, N. Wing – 3rd Floor
Martinez, CA 94553 1229

MARSH LANDING PROJECT TRANSMITTAL

DATE : August 10, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 5

Sent for your ☐ **Information** ☒ **Review** ☐ **As Requested**

The following packages have been returned with comments and/or have been approved. Please, see the attached detailed list of documents included with each package.

STRUC-1-2.1B (CBO-0247) Approved	ELEC-1-17.0 (CBO-0240) Approved	
ELEC-1-9.0 (CBO-0228) Approved	ELEC-1-4.0 (CBO-0244) Approved	
ELEC-1-17.3 (CBO-0241) Approved		

Ritchie for

Deborah Sandercock, S.E. Supervising Structural Engineer	Marie Taylor Supervising Building Inspector	Gary Faria Senior Grading Inspector

Marsh Landing - CBO Transmittal Report

CBO-0240 **Title** **ELEC-1-17.0** **File No** **015F**

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-ED-130 rev0		Electrical Duct Bank Layout Fuel Gas and Stacks 2 and 3 Areas	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-001 rev0		Electrical Duct Bank Layout Site Key Plan	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-010 rev0		Electrical Duct Bank Layout Yard Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-020 rev0		Electrical Duct Bank Layout Water Treatment Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-030 rev0		Electrical Duct Bank Layout Fuel Gas Compressor Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-120 rev0		Electrical Duct Bank Layout Administration and Control Buildings, Stacks 1 and 2	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-140 rev0		Electrical Duct Bank Layout Stack 4 and Yard Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-320 rev0		Electrical Duct Bank Layout GSU 1 and 2 Switchyard Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-330 rev0		Electrical Duct Bank Layout GSU 2 and 3 Switchyard Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-900 rev0		Electrical Duct Bank Details	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-901 rev0		Electrical Duct Bank Details	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-902 rec0		Electrical Duct Bank Details SFC/ See Package 01 and 02	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-903 rev0		Electrical Duct Bank Details SFC/ See Package 03 and 04	MT	8/9/2011	8/10/2011	Approved

Drawing	2009-019-ED-340 rev0		Electrical Duct Bank Layout GSU 4 and Switchyard Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-110 rev0		Electrical Duct Bank Layout Ammonia Storage Area	MT	8/9/2011	8/10/2011	Approved

CBO-0241 **Title** **ELEC-1-17.3** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Drawing	2009-019-ED-220 rev0		Electrical Duct Bank Layout SCR/CTG 1 and 2 Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-230 rev0		Electrical Duct Bank Layout SCR/CTG 2 and 3 Area	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-ED-240 rev0		Electrical Duct Bank Layout SCR/CTG 4 Area	MT	8/9/2011	8/10/2011	Approved

CBO-0244 **Title** **ELEC-1-4.0** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Drawing	2009-019-EG-900 rev0		Electrical Grounding Installation Details	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-EG-901 rev0		Electrical Grounding Installation Details	MT	8/9/2011	8/10/2011	Approved

CBO-0228 **Title** **ELEC-1-9.0** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Drawing	2009-019-EC-001 rev 0		Electrical Embedded Conduit Layout Site Key Plan	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-EC-960C rev 0		Electrical Embedded Conduit Layout Typical CTG Conduit Elevation 13'-7"	MT	8/9/2011	8/10/2011	Approved

Drawing	2009-019-EC-960B rev 0		Electrical Embedded Conduit Layout Typical CTG Conduit Elevation 14'-2"	MT	8/9/2011	8/10/2011	Approved
Drawing	2009-019-EC-960A rev 0		Electrical Embedded Conduit Layout Typical CTG Conduit Elevation 14'-9"	MT	8/9/2011	8/10/2011	Approved

CBO-0247 **Title** **STRUC-1-2.1B** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Calcs	912A-02 Rev 2		Pile to Pile Cap Connection	RS	8/10/2011	8/10/2011	Approved
Drawing	2009-019-SF-202 rev1		Pile to Pile Cap Connection Details	RS	8/10/2011	8/10/2011	Approved

CONTRA COSTA COUNTY
Department of Conservation & Development
Building Inspection Division
651 Pine Street, N. Wing – 3rd Floor
Martinez, CA 94553 1229

MARSH LANDING PROJECT TRANSMITTAL

DATE : August 29, 2011
FROM : Roxanna Hymer
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 3

Sent for your ☐ **Information** ☒ **Review** ☐ **As Requested**

The following packages have been returned with comments and/or have been approved. Please, see the attached detailed list of documents included with each package.

STRUC-1-2.1B (CBO-0275) Approved	STRUC-1-36.0 (CBO-0270) Approved	STRUC-1-80.0 (CBO-0272) Approved

D. Sandercock /R.H.

Deborah Sandercock, S.E. Supervising Structural Engineer	Marie Taylor Supervising Building Inspector	Gary Faria Senior Grading Inspector

Z:\Marsh Landing Power Plant Project\Marsh Landing Transmittals\0Comments Transmittal.doc

Marsh Landing - CBO Transmittal Report

CBO-0275 **Title** **STRUC-1-2.1B** **File No** **015F**

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-SF-202 Rev. 2		Pile to Pile Cap Connection Details	RS	08/29/2011	08/29/2011	Approved

CBO-0270 **Title** **STRUC-1-36.0** **File No** **015F**

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-SF-088D rev1	08/19/11	Unit #4 Iso-Phase Support Area Mat Foundation Piling Plan	RS	08/29/2011	08/29/2011	Approved
Drawing	2009-019-SF-088C rev1	08/19/11	Unit #3 Iso-Phase Support Area Mat Foundation Piling Plan	RS	08/29/2011	08/29/2011	Approved
Drawing	2009-019-SF-088B rev1	08/19/11	Unit #2 Iso-Phase Support Area Mat Foundation Piling Plan	RS	08/29/2011	08/29/2011	Approved
Drawing	2009-019-SF-088A rev1	08/19/11	Unit #1 Iso-Phase Support Area Mat Foundation Piling Plan	RS	08/29/2011	08/29/2011	Approved

CBO-0272 **Title** **STRUC-1-80.0** **File No** **015F**

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Docs	2009-019-SDC-001 rev3	08/19/11	Structural Design Criteria	RS	08/29/2011	08/29/2011	Approved

CONTRA COSTA COUNTY
Department of Conservation & Development
Building Inspection Division
651 Pine Street, N. Wing – 3rd Floor
Martinez, CA 94553 1229

MARSH LANDING PROJECT TRANSMITTAL

DATE : August 24, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 3

Sent for your ☐ **Information** ☒ **Review** ☐ **As Requested**

The following packages have been returned with comments and/or have been approved. Please, see the attached detailed list of documents included with each package.

STRUC-1-8.0 (CBO-0274) Approved	STRUC-1-37.0 (CBO-0242) w/ Comments
ELEC-1-7.0 (CBO-0243) Approved	

Deborah Sandercock, S.E. Supervising Structural Engineer	Marie Taylor Supervising Building Inspector	Gary Faria Senior Grading Inspector

Marsh Landing - CBO Transmittal Report

CBO-0243 **Title** **ELEC-1-7.0** **File No** **015F**

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-EG-002 rev0		Electrical Grounding Layout Site Ground Grid	MT	8/24/2011	8/24/2011	Approved
Drawing	2009-019-EG-001 rev0		Electrical Grounding Layout Site Key Plan	MT	8/24/2011	8/24/2011	Approved

CBO-0242 **Title** **STRUC-1-37.0** **File No** **015F**

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Calcs	910R-07 Rev A		Isophase Area Foundation Calculation	RS		8/24/2011	Returned with comments
Drawing	2009-019-SF-089B revA		Units #2 ISO-Phase Support Area mat Foundation Plan, Sections and Details	RS		8/24/2011	Returned with comments
Drawing	2009-019-SF-089A revA		Units #1, 3 and 4 ISO-Phase Support Area Mat Foundation Plan, Sections and Details	RS		8/24/2011	Returned with comments

CBO-0274 **Title** **STRUC-1-8.0** **File No** **015F**

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-SF-020 Rev. 1		SCR System Unit #4 Foundation Piling Plan	MT	8/24/2011	8/24/2011	Approved
Drawing	2009-019-SF-018 Rev. 1		SCR System Unit #2 Foundation Piling Plan	MT	8/24/2011	8/24/2011	Approved
Drawing	2009-019-SF-019 Rev. 1		SCR System Unit #3 Foundation Piling Plan	MT	8/24/2011	8/24/2011	Approved

Drawing	2009-019-SF-017 Rev. 1	SCR System Unit #1 Foundation Piling Plan	MT	8/24/2011	8/24/2011	Approved

Subsection 2.32(Waste 1)

As of -8-31-2011

Asbestos Removal

All work completed

2.32 Waste-1

Please print or type. Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAT080011489
2. Page 1 of 1
3. Emergency Response Phone: 800-428-5232
4. Manifest Tracking Number: 007923153 JJK

5. Generator's Name and Mailing Address
GENON LLC
3201 ~~WILBER AVENUE~~ Wilbur Avenue
ANTIOCH, CA 94509
Generator's Phone: ~~925-427-5610~~ 925-779-6575

Generator's Site Address (if different than mailing address): SAME

6. Transporter 1 Company Name: WORLD ENVIRONMENTAL & ENERGY, INC.
U.S. EPA ID Number: CAR000037283

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
RECOLOGY HAY ROAD LANDFILL
6426 HAY ROAD
VACAVILLE, CA 95687
Facility's Phone: 707-451-3276
U.S. EPA ID Number: CAD982042475

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. R.Q. ASBESTOS,9,NA 2212,PG111	1	~~BA~~ CM	38	Y	151
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
EPA REGION IX BAAQMD 939 ELLIS ST, SAN FRANCISCO, CA 94109 (PLANT HAZ)
ASBESTOS REMOVAL REQUIREMENT 40CFR61 (BAGGED, SEALED, & LABELED)
FRIABLE ASBESTOS CONTAINING MATERIAL (NAERG#171) T1 WE&E 3208 W CAPITOL AVE. W. SACRAMENTO, 800-428-5232

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: MARK Mullicane
Signature: Mark Mullicane
Month 9 Day 1 Year 11

GENERATOR

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jay Ow
Signature: Jay Ow
Month 9 Day 01 Year 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

COMPLIANCE & ENFORCEMENT DIVISION

Regulation 11, Rule 2 232 Waste-1

Acknowledgement of Notification and Payment of Fees

9A543
~~9A541~~

7/25/2011

Plant Hazardous Services
3716 San Pablo Dam Rd., Ste #1
El Sobrante, CA 94803

Job No: **3R137**
Invoice No: **2TU55**

The Bay Area Air Quality Management District (BAAQMD) acknowledges receipt of your payment and your Asbestos Removal or Demolition Plan described as: **Renovation**

Site address 3201 Wilbur Ave
Antioch, CA 94509

Start Date August 15, 2011
Completion Date August 26, 2011

Removal amounts of friable ACM 691 linear feet 0 square feet 0 cubic feet

Should it become necessary to revise this plan, please do so in the spaces provided below and immediately copy the District by fax or by mail.

REGULATION 11-2 REVISION	BAAQMD J# **3R137**

REVISION #	START DATE	COMPLETION DATE
1	___/___/___	___/___/___
2	___/___/___	___/___/___
3	___/___/___	___/___/___
4	___/___/___	___/___/___
5	___/___/___	___/___/___

NOTE: *This form is not intended as a verification of either the completeness of your original notification or of its compliance with BAAQMD Regulation 11-2. If you have any questions about this acknowledgment, please call our office at (415) 749-4762.*

09/02/2011 13:21 FAX 5102232475 Plant Hazardous Services 0002/0002

Subsection 2.33(Worker Safety-3)
As of 8-31-2011

Days Without Incident	199 days(As of 2-14-2011)
No. of Employee Trained to Date (Kiewit Direct)	55
No. of Employee Trained for July 2011 (Kiewit Subcontractor)	29
Safety Management Actions	0
Incident Alert	2
Continuing un-resolved situations & Incidents which may pose danger to life and Health	0

Incident Alert	Date	Summary
1	8/26/2011	Pile delivery truck fail to see a previously driven indicator plie and struck it. No injury and only slight damage to truck and plie.
2	8/29/2011	While operating a 480V-100Amp fused disconnect switch, a linkage came loose causing linkage to come in contact with fuse resulting in an Arc blast. The blast was contained within the disconnect as designed and no one was injured.

3.0 Current Compliance Matrix

Mirant Marsh Landing CEC Compliance Matrix

Based on CEC Final Decision
08 - AFC -03

Color Code Key:

Pre-Const	Construction	Commiss.	Operations	To CEC or Agency	Approved by CEC

Sort Code	Cond. #	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Party	Date sent to CEC, CBO or agency	CEC Log # and Status	Comments
OPS	AQ-SC3	The AQCMM shall submit documentation to the CPM in each monthly compliance report (MCR) that demonstrates compliance with mitigation measures a. through m. for purposes of preventing all fugitive dust plumes from leaving the project site and linear facility routes. Any deviation from the following mitigation measures shall require prior CPM.	The project owner shall include in the MCR (1) a summary of all actions taken to maintain compliance with this condition; (2) copies of any complaints filed with the air district in relation to project construction; and (3) any other documentation deemed necessary by the CPM and AQCMM to verify compliance with this condition. Such information may be provided via electronic format or disk at the project owner's discretion.	Monthly	Include in MCR	GenOn			
OPS	AQ-SC4	The AQCMM or an AQCMM delegate shall monitor all construction activities for visible dust plumes. Observations of visible dust plumes with the potential to be transported off the project site, 200 feet beyond the centerline of the construction of linear facilities, or within 100 feet upwind of any regularly occupied structures not owned by the project owner indicate that existing mitigation measures are not providing effective mitigation. The AQCMM or delegate shall then implement the following procedures for additional mitigation measures in the event that such visible dust plumes are observed.	The AQCMP shall include a section detailing how additional mitigation measures will be accomplished within the specified time limits.	Monthly	Include in the MCR	GenOn			
OPS	AQ-SC5	The AQCMM shall submit to the CPM, in the MCR, a construction mitigation report that demonstrates compliance with mitigation measures a. through f. for purposes of controlling diesel construction related emissions. Any deviation from the following mitigation measures shall require prior CPM notification and approval.	The project owner shall include in the MCR:(1) a summary of all actions taken to maintain compliance with this condition; (2) a list of all heavy equipment used on site during that month, including the owner of that equipment and a letter from each owner indicating that the equipment has been properly maintained; and (3) any other documentation deemed necessary by the CPM and AQCMM to verify compliance with this condition. Such information may be provided via electronic format or disk at the project owner's discretion	Monthly	Include in MCR	GenOn			

Mirant Marsh Landing CEC Compliance Matrix

Based on CEC Final Decision
08 - AFC -03

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Pre-Const	Construction	Commiss.	Operations	To CEC or Agency	Approved by CEC

Sort Code	Cond. #	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Party	Date sent to CEC, CBO or agency	CEC Log # and Status	Comments
OPS	AQ-SC6	The project owner shall submit to the CPM for review and approval any modification proposed by the project owner to any project air permit. The project owner shall submit to the CPM any modification to any permit proposed by the District or U.S. EPA, and any revised permit issued by the District or U.S. EPA, for the project.	submit any proposed air permit modification to the CPM within five working days of either: 1) submittal by the project owner to an agency, or 2) receipt of proposed modifications from an agency. The project owner shall submit all modified air permits to the CPM within 15 days of receipt.	Within 5 working days of its submittal	Include in MCR	GenOn			
COMM &OPS	AQ-SC8	Submit to the CPM quarterly operation reports that include operational and emissions information as necessary to demonstrate compliance with the conditions of certification. The quarterly operation report shall specifically note or highlight incidences of noncompliance.	Submit quarterly operation reports to the CPM and APCO no later than 30 days following the end of each calendar quarter. This information shall be maintained on site for a minimum of five years and shall be provided to the CPM and District personnel upon request.	Quarterly	30 days after end of quarter	GenOn			
COMM	AQ-SC9	The facility shall be operated such that simultaneous commissioning of no more than two combustion turbines will occur without abatement of nitrogen oxide and CO emissions by its SCR system and oxidation catalyst system. Operation of a combustion turbine during commissioning without abatement shall be limited to discrete commissioning activities that can only be	submit a monthly compliance report to the CPM during the commissioning period demonstrating compliance with this condition.	Monthly	Include in MCR	KIEWIT			25
COMM	AQ-1	Minimize emissions of carbon monoxide and nitrogen oxides from Gas Turbines to the maximum extent possible during the commissioning period.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQSC8).	Quarterly	30 days after end of quarter	GenOn			
OPS	AQ-2	At the earliest feasible opportunity in accordance with the recommendations of the equipment manufacturers and the construction contractor, shall tune the S-1, S-2, S-3 and S-4 Gas Turbines combustors to minimize the emissions of carbon monoxide and nitrogen oxides.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQSC8).	Quarterly	30 days after end of quarter	K&M			

Mirant Marsh Landing CEC Compliance Matrix

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Pre-Const	Construction	Commiss.	Operations	To CEC or Agency	Approved by CEC

Sort Code	Cond. #	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Party	Date sent to CEC, CBO or agency	CEC Log # and Status	Comments
OPS	AQ-3	At the earliest feasible opportunity in accordance with the recommendations of the equipment manufacturers and the construction contractor, install, adjust, and operate the A-1, A-3, A-5 and A-7 Oxidation Catalysts and A-2, A-4, A-6 and A-8 SCR Systems to minimize the emissions of carbon monoxide and nitrogen oxides from S-1, S-2, S-3, and S-4 Gas Turbines. (Basis: BACT, Regulation 2, Rule 2, Section 409)	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQSC8).	Quarterly	30 days after end of quarter	K&M			
COMM	AQ-4	Submit a plan to the District Engineering Division and the CEC CPM, describing the procedures to be followed during the commissioning of the gas turbines. The plan shall include a description of	Submit a commissioning plan to the CPM and APCO for approval at least four weeks prior to first firing of the gas turbine describing the procedures to be followed	Four weeks prior to first firing of GT during Commissioning	7/1/12	KIEWIT			
COMM	AQ-5	During the commissioning period, shall demonstrate compliance with AQ-7, AQ-8, AQ-9, and AQ-10 through the use of properly operated and maintained continuous emission monitors and data recorders for the following parameters and emission concentrations:firing hours, fuel flow rates, stack gas nitrogen oxide emission concentrations, stack gas carbon monoxide emission concentrations, stack gas oxygen concentrations The monitored parameters shall be recorded at least once every 15 minutes (excluding normal calibration periods or when the monitored source is not in operation) for the Gas Turbines (S-1, S-2, S-3, and S-4). The owner/operator shall use District-approved methods to calculate heat input rates, nitrogen dioxide mass emission rates, carbon monoxide mass emission rates, and NOx and CO emission concentrations, summarized for each clock hour and each calendar day. The owner/operator shall retain records on site for at least 5 years from the date of entry and make such records available to District personnel upon request. (Basis:	Submit to the CPM and APCO for approval the commissioning plan as required in AQ-4.	Four weeks prior to first firing of GT during Commissioning	7/1/12	KIEWIT			
CONS	AQ-6	Install, calibrate, and operate the District-approved continuous monitors specified in AQ-5 prior to first firing of the Gas Turbines (S-1, S-2, S-3 and S-4). After first firing of the turbines, the owner/operator shall adjust the detection range of these continuous emission monitors as necessary to accurately measure the resulting range of CO and NOx emission concentrations. The type, specifications, and location of these monitors shall be subject to District review and approval. (Basis: Regulation 2, Rule 2, Section	make the site available for inspection by representatives of the District, ARB, and the Commission upon request. A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report.	As Required	As required	KIEWIT			

Mirant Marsh Landing CEC Compliance Matrix

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COMM	AQ-7	Do not fire Gas Turbine without abatement of nitrogen oxide emissions by the corresponding SCR System and/or abatement of carbon monoxide emissions by the corresponding	Submit to the CPM and APCO for approval the commissioning plan as required in AQ-4. A summary of significant operation and maintenance events and monitoring records	Four weeks prior to first firing of GT during Commissioning	7/1/12	KIEWIT			
OPS	AQ-8	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-2, S-3, and S-4) during the commissioning period shall accrue towards the consecutive twelve-month emission limitations specified in AQ-22.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQSC8).	Quarterly	30 days after end of quarter	K&M			
OPS	AQ-9	Shall not operate the Gas Turbines (S-1, S-2, S-3, and S-4) in a manner such that the pollutant emissions from each gas turbine 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-2, S-3, S-4). NOx (as NO2) 3,063 pounds per calendar day 188 pounds per hour. CO 33,922 pounds per calendar day 2,405 pounds per hour. POC (as CH4) 2,008 pounds per calendar day. PM10 235 pounds per calendar day. SO2 149 pounds per calendar day	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQSC8).	Quarterly	30 days after end of quarter	K&M			

Mirant Marsh Landing CEC Compliance Matrix

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Sort Code	Cond. #	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Party	Date sent to CEC, CBO or agency	CEC Log # and Status	Comments
COMM	AQ-10	Within 90 days after startup of each turbine, the Owner/Operator shall conduct District and CEC approved source tests for that turbine to determine compliance with the emission limitations specified in AQ-17. The source tests shall determine NOx, CO, and POC emissions during start-up and shutdown of the gas turbines. The POC emissions shall be analyzed for methane and ethane to account for the presence of unburned natural gas. The source test shall include a minimum of three start-up and three shutdown periods. Thirty working days before the execution of the source tests, the Owner/Operator shall submit to the District and the CEC Compliance Program Manager (CPM) a detailed source test plan designed to satisfy	Submit to the CPM and APCO for approval the commissioning plan as required in AQ-4.	Thirty working days before the execution of the source tests	7/1/12	KIEWIT			
OPS	AQ-11	Fire the Gas Turbines (S-1, S-2, S-3, and 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, S-2, S-3 and S-4 shall sample and analyze the gas from each	The result of the natural gas fuel sulfur monitoring data and other fuel sulfur content source data shall be submitted to the District and CPM in the quarterly operation report (AQ-SC8).	Quarterly	30 days after end of quarter	GenOn			
OPS	AQ-12	Do not operate the units such that the heat input rate to each Gas Turbine (S-1, S-2, S-3, and S-4) exceeds 2,202 MMBtu (HHV) per hour.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report.	Quarterly	30 days after end of quarter	GenOn			
OPS	AQ-13	Do not operate the units such that the heat input rate to each Gas Turbine (S-1, S-2, S-3, and S-4) exceeds 52,848 MMBtu (HHV) per day.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report.	Quarterly	30 days after end of quarter	GenOn			
OPS	AQ-14	Do not operate the units such that the combined cumulative heat input rate for the Gas Turbines (S-1, S-2, S-3, and S-4) exceeds 13,994,976 MMBtu (HHV) per year.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report.	Quarterly	30 days after end of quarter	GenOn			

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Pre-Const	Construction	Commiss.	Operations	To CEC or Agency	Approved by CEC

Sort Code	Cond. #	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Party	Date sent to CEC, CBO or agency	CEC Log # and Status	Comments
OPS	AQ-15	Do not operate S-1, S-2, S-3, and S-4 such that the Combined hours for all four units exceeds 7,008 hours per year (excluding operations necessary for maintenance, tuning, and testing).	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQSC8).	Quarterly	30 days after end of quarter	GenOn			
OPS	AQ-16	Ensure that the each Gas Turbine (S-1, S-2, S-3,S-4) is abated by the properly operated and properly maintained Selective Catalytic Reduction (SCR) System A-2, A-4, A-6 or A-8 and Oxidation Catalyst System A-1, A-3, A-5, or A-7 whenever fuel is combusted at those sources and the corresponding SCR catalyst bed (A-2, A-4, A-6 or A-8) has reached minimum operating	Make the site available for inspection by representatives of the District, ARB, and the Commission upon request. A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8).	As Required	As required	GenOn			
OPS	AQ-17	ensure that the Gas Turbines (S-1, S-2, S-3, S-4) comply with requirements (a) through (i). Requirements (a) through (f) do not apply during a gas turbine start-up, combustor tuning operation or shutdown.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report.	Quarterly	30 days after end of quarter	GenOn			
OPS	AQ-18	Ensure that the regulated air pollutant mass emission rates from each of the Gas Turbines (S-1, S-2, S-3, and S-4) during a start-up or shut down does not exceed the limits established below. Startups shall not exceed 30 minutes. Shutdowns shall not exceed 15 minutes. NOx (as NO2),CO,POC(as CH4) of Maximum Emissions Per Startup: 36.4 ,216.2 , 11.9 Maximum Emissions During Hour Containing a Startup:45.1, 541.3, 28.5 Maximum Emissions	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQSC8).	Quarterly	30 days after end of quarter	GenOn			
COMM &OPS	AQ-19	Do not perform combustor tuning on each Gas Turbine (S-1, S-2, S-3, or S-4) more than twice every consecutive 12 month period. Each tuning event shall not exceed eight hours. Combustor tuning shall only be performed on one gas turbine per day. The owner/operator shall notify the District no later than seven days prior to combustor tuning activity. The emissions during combustor tuning from each gas turbine shall not exceed the limits established below.NOx (as	notify both the District and CPM at least 7 days prior to the combustor tuning. A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8)	7 days prior to combustor tuning	7/7/12	K&M			

Mirant Marsh Landing CEC Compliance Matrix

Based on CEC Final Decision
08 - AFC -03

Color Code Key:

Pre-Const	Construction	Commiss.	Operations	To CEC or Agency	Approved by CEC

Sort Code	Cond. #	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Party	Date sent to CEC, CBO or agency	CEC Log # and Status	Comments
OPS	AQ-20	Do not allow total combined emissions from the Gas Turbines (S-1, S-2, S-3, and S-4), including emissions generated during gas turbine start-ups, and shutdowns to exceed the following limits during any calendar day (except for days during which combustor tuning events occur: (a) 2,468 pounds of NOx (as NO2) per day (Basis: Cumulative Increase) (b) 4,858 pounds of CO per day (Basis: Cumulative Increase) (c) 476 pounds of POC (as CH4) per day (Basis: Cumulative Increase) (d) 864 pounds of PM10	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQSC8).	Quarterly	30 days after end of quarter	GenOn			
OPS	AQ-21	Do not allow cumulative combined emissions from the Gas Turbines (S-1, S-2, S-3, and S-4), including emissions generated during gas turbine start-ups, combustor tuning, shutdowns, and malfunctions to exceed the following limits during any consecutive twelve-month period: (a) 2,941 pounds of NOx (as NO2) per day (Basis: Cumulative Increase) (b) 8,378 pounds of CO per day (Basis: Cumulative Increase)(c) 693 pounds of POC (as CH4) per day (Basis: Cumulative Increase)(d) 864 pounds of PM10 per day (Basis: Cumulative Increase)(e) 596 pounds of SO2 per day (Basis: Cumulative Increase)	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQSC8).	Quarterly	30 days after end of quarter	GenOn			
OPS	AQ-22	not allow cumulative combined emissions from the Gas Turbines (S-1, S-2, S-3, and S-4), including emissions generated during gas turbine start-ups, combustor tuning, shutdowns, and malfunctions to exceed the following limits during any consecutive twelve-month period: (a) 78.57 tons of NOx (as NO2) per year (Basis: Offsets)(b) 138.57 tons of CO per year (Basis: Cumulative Increase)(c) 14.21 tons of POC (as CH4) per year (Basis: Offsets)(d) 31.54 tons of PM10 per year (Basis: Cumulative Increase)(e) 4.94 tons of SO2 per year (Basis: Cumulative Increase)	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQSC8).	Quarterly	30 days after end of quarter	GenOn			
OPS	AQ-23a	Do not allow the maximum projected annual toxic air contaminant emissions (per AQ-26) from the Gas Turbines combined to exceed the following limits: formaldehyde 7,785 pounds per year, benzene 202 pounds per year, Specified polycyclic aromatic hydrocarbons (PAHs) 1.98 pounds per year unless the following requirement is satisfied: (1)Perform a health risk assessment to determine the total facility risk using the emission rates determined by source testing and the most current Bay Area Air Quality Management District approved procedures and unit risk factors in effect at the time of the	Source test results obtained through compliance with AQ-26 and AQ- 30 shall confirm the toxic air contaminant emission rates or submit an updated health risk assessment.	With/in 60 days of initial source testing and	6/30/13	GenOn			

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OPS	AQ-23b	Perform a health risk assessment to determine the total facility risk using the emission rates determined by source testing and the most current Bay Area Air Quality Management District approved procedures and unit risk factors in effect at the time of the analysis.	Submit the risk analysis to the District and the CEC CPM . May request that the District and the CEC CPM revise the carcinogenic compound emission limits specified above. Demonstrates to the satisfaction of the APCO that these revised emission limits will not result in a significant cancer risk, the District and the CEC CPM may, at their discretion, adjust the carcinogenic compound emission limits listed above.	Every 24 months submit with/in 60days of test	As required	GenOn			
OPS	AQ-24	Demonstrate compliance with AQ-12 through AQ-15, AQ-17(a) through AQ-17(e), AQ-18 (NOx, and CO limits), AQ-19 (NOx and CO limits), AQ-20(a), AQ-20(b), AQ-21(a), AQ-21(b), AQ-22(a) and AQ- 22(b) by using properly operated and maintained continuous monitors (during all hours of operation including gas turbine start-up, combustor tuning, and shut down periods). The owner/operator shall monitor for all of the following a. through k.	Make the site available for inspection by representatives of the District, ARB and the Commission to verify the continuous monitoring and recordkeeping system is properly installed and operational.	As Required	As required	GenOn			
OPS	AQ-25	Demonstrate compliance with AQ-17(f), AQ-17(g), AQ-17(h), AQ-17(i), AQ-20(c), AQ-20(d), AQ-20(e), AQ-21(c), AQ-21(d), AQ-21(e), AQ-22(c), AQ-22(d), AQ-22(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	Make the site available for inspection by representatives of the District, ARB and the Commission to verify the calculation and record keeping system is properly installed and operational.	As Required	As required	GenOn			

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OPS	AQ-26	Demonstrate compliance with AQ-23, the owner/operator shall calculate and record on an annual basis the maximum projected annual emissions of: Formaldehyde, Benzene, and Specified PAHs. The owner/operator shall calculate the maximum projected annual emissions using the maximum annual heat input rate of 13,994,976 MMBtu/year for S-1, S-2, S-3, and S-4 combined and the highest emission factor (pounds of pollutant per MMBtu of heat input) determined by the most recent of any source test of the S-1, S-2, S-3, or S-4 Gas Turbines. If the highest emission factor for a given pollutant occurs during minimum-load turbine operation, a reduced annual heat input rate may be utilized to calculate the maximum projected annual emissions to reflect the reduced heat input rates during gas turbine start-up and minimum load operation. The reduced annual heat input rate shall be subject to District review and approval.	Make the site available for inspection by representatives of the District, ARB and the Commission to verify the calculation and recordkeeping system is properly installed and operational.	As Required	As required	GenOn			
COMM	AQ-27a	Conduct a District-approved source test on each corresponding exhaust pointS to determine the corrected ammonia (NH3) emission concentration to determine compliance with AQ-17(e). The source test shall be conducted over the expected operating range of the turbine (including, but not limited to, minimum and full load modes) to establish the range of ammonia injection rates necessary to achieve NOx emission reductions while maintaining ammonia slip levels.	Submit the results and field data collected during source tests to the District and CPM within 60 days of testing and according to a preapproved protocol (AQ-29).	Within 60 days of intial source testing	6/30/13	KIEWIT			

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OPS	AQ-27b	Repeat the source testing(AQ-27a) on an annual basis thereafter. Ongoing compliance with AQ-17(e) shall be demonstrated through calculations of corrected ammonia concentrations based upon the source test correlation and continuous records of ammonia injection rate.	Testing for steady-state emissions shall be conducted upon initial operation and at least once every 12 months.	With in 60 days of test every 12 months	As required	GenOn			
OPS	AQ-28a	Testing for steady-state emissions shall be conducted upon initial operation and at least once every 12 months.	Submit the results and field data collected during source tests to the District and CPM within 60 days of testing	Annually	Include in ACR	GenOn			
COMM	AQ-28b	conduct a District-approved source test on each corresponding exhaust point P-1, P-2, P-3 and P-4 while each Gas Turbine is operating at maximum load to determine compliance with AQ-	Submit the results and field data collected during source tests to the District and CPM within 60 days of testing and according to a preapproved protocol (AQ-29).	Upon initial operation	6/30/13	KIEWIT			
COMM &OPS	AQ-29	Obtain approval for all source test procedures from the District's Source Test Section and the CEC CPM prior to conducting any tests. Comply with all applicable testing requirements for continuous emission monitors as specified in Volume V of the District's Manual of Procedures. Notify the District's Source Test Section and the CEC CPM in writing of the source test protocols and projected test dates at least 7 days prior to the testing date(s).	Submit the proposed source test plan or protocol for the source tests seven days prior to the proposed source test date to both the District and CPM for approval. The project owner shall notify the District and CPM no later than seven days prior to the proposed source test date and time.	No later than seven days prior to the proposed source test date and time	4/24/13	KIEWIT			

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COMM	AQ-30a	conduct a District-approved source test on one of the following exhaust points P-1, P-2, P-3 or P-4 while the Gas Turbine is operating at maximum allowable operating rates to demonstrate compliance with AQ-23. The owner/operator shall also test the gas turbine while it is operating at minimum load. If three consecutive biennial source tests demonstrate that the annual emission rates calculated pursuant to AQ-26 for	The results and field data collected during source tests shall be submitted to the District and CPM within 60 days of testing and according to a preapproved protocol (AQ-29).	Within 60 days of initial source testing	6/30/13	KIEWIT			
OPS	AQ-30b	Testing for toxic air contaminant emissions shall be conducted upon initial operation and at least once every 24 months.	The results and field data collected during source tests shall be submitted to the District and CPM within 60 days of testing	with in 60 days of test every 24 months thereafter	As required	GenOn			
OPS	AQ-31	Calculate the sulfuric acid mist (SAM) emission rate using the total heat input for the sources and the highest results of any source testing conducted pursuant to AQ-32. If this SAM mass emission limit of AQ- 33 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, Rule 2, Section 306.	Make the site available for inspection by representatives of the District, ARB and the Commission to verify the calculation and recordkeeping system is properly installed and operational. The quarterly operation report (AQ-SC8) shall include a determination of the impact if triggered by this condition.	As Required & Quarterly	30 days after end of quarter	GenOn			
COMM	AQ-32a	Conduct a District-approved source test on two of the four exhaust points while each gas turbine is operating at maximum heat input rates to demonstrate compliance with the SAM emission rates specified in AQ-33. Test for (as a minimum) SO2, SO3, and H2SO4. Submit the source test results to the District and the CEC CPM within 60 days of conducting the tests.	Submit the results and field data collected during source tests to the District and CPM within 60 days of testing and according to a preapproved protocol (AQ-29).	Within 60 days of initial source testing and	6/30/13	KIEWIT			

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OPS	AQ-32b	Testing for steady-state emissions shall be conducted upon initial operation and at least once every 12 months	Submit the results and field data collected during source tests to the District and CPM within 60 days of testing and according to a preapproved protocol (AQ-29).	with in 60 days of test every 12 months thereafter	As required	GenOn			
OPS	AQ-33	Do not allow sulfuric acid emissions (SAM) from stacks combined to exceed seven tons in any consecutive 12 month period	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQSC8).	Quarterly	30 days after end of quarter	GenOn			
CONS	AQ-34	Ensure that the stack height of emission points are each at least 165 feet above grade level at the stack base	Make the site available for inspection by representatives of the District, ARB and the Commission	As Required	As required	KIEWIT			
OPS	AQ-35	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	Ensure that notifications and reports, including the quarterly operation report (AQ-SC8), are prepared and submitted in compliance with this condition	As Required	As required	GenOn			
OPS	AQ-36	Maintain all records and reports on site for a minimum of five 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	Make the site available for inspection by representatives of the District, ARB and the Commission.	As Required	As required	GenOn			

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OPS	AQ-37	notify the District and the CEC 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.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report.	Quarterly	30 days after end of quarter	GenOn			
CONS	AQ-38	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, except that the facility shall provide four sampling ports that are at least 6 inches in diameter in the same plane of each gas turbine stack.	The project owner shall make the site available for inspection by representatives of the District, ARB and the Commission.	As Required	As required	KIEWIT			
CONS	AQ-39	Contact the BAAQMD Technical Services Division regarding requirements for the continuous emission monitors, sampling ports, platforms, and source tests required by AQ-10, AQ-27, AQ-28, AQ-30 and AQ-32. Conduct all source testing and monitoring in accordance with the District approved procedures.	Contact the District for specifications on monitors, ports, platforms and source tests and shall submit verification of this contact to the District and CPM with the initial source test protocol	With in 180 days of Issuance of the Authority to Construct	9/25/11	KIEWIT			
OPS	AQ-40	Ensure that the MLGS complies with the continuous emission monitoring requirements of 40 CFR Part 75	Submit to the CPM and District the results of audits of the monitoring system demonstrating compliance with this condition as part of the quarterly operation report.	Quarterly	30 days after end of quarter	GenOn			

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CONS	BIO-2	Ensure that the DB performs the specified 1. through 9. of the condition during any site (or related facilities) mobilization, ground disturbance, grading, construction, operation, and closure activities. The DB may be assisted by the approved Biological Monitor(s), but remains the contact for the project owner and CPM.	Designated Biologist must maintain written records of the tasks described in condition and provide summaries for inclusion in the MCR.	Monthly	Include in the MCR	BIOLOGIST			
CONS	BIO-3	Construction/Operation Manager shall act on the advice of the DB to ensure conformance with the biological resources Conditions of Certification. If required by the DB, Construction/ Operation Manager shall halt all activities in areas specified by the DB. The Designated Biologist shall follow the process 1. through 3 in the condition if construction is	Designated Biologist must notify the CPM immediately of any non-compliance activity or halt of any site mobilization, ground disturbance, grading, construction, and ops activities.	As Required	As required	BIOLOGIST			
CONS	BIO-4b	Report the number of persons who have completed the training in the prior month and a running total of all persons who have completed the training to date.	Include a running total in MCR.	Monthly	Include in the MCR	KIEWIT			

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OPS	BIO-4d	Keep signed WEAP statements in project files.	During project operation, signed statements for active project operational personnel shall be kept on file for six months following the termination of an individual's employment.	As required	As required	GenOn			
CONS	BIO-5b	Revise or supplement the BRMIMP to reflect any BIO permit conditions received after the original BRMIMP is accepted.	Submit any bio permits not yet received when the BRMIMP is first submitted to the CPM and HTAC	Within 5 days of receipt	As required	BIOLOGIST			
CONS	BIO-5c	Any changes to the approved BRMIMP must also be approved by the CPM and submitted to the HTAC to ensure no conflicts exist.	Notify the CPM before implementing any modifications to the approved BRMIMP	Within 5 days	As required	BIOLOGIST			
CONS	BIO-5d	Implementation of BRMIMP measures will be reported in the MCR by the DB.	Provide report for inclusion in MCR.	Monthly	Include in MCR	BIOLOGIST			
CONS	BIO-5e	Prepare a written construction closure report identifying which items of the BRMIMP have been completed, a summary of all modifications to mitigation measures made during the project's	Provide construction closure report to the CPM for review and approval.	Within 30 days after completion of construction	5/1/13	BIOLOGIST			

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CONS	BIO-6a	Implement measures set forth in condition in a manner to avoid or minimize impacts to the local biological resources.	Provide report for inclusion in MCR.	Monthly	Include in the MCR	BIOLOGIST			
CONS	BIO-6b	Submit a written construction termination report identifying how bio mitigation measures have been completed.	Provide construction termination report to the CPM for review and approval. Provide additional copies to the CDFG and USFWS.	Within 30 days after completion of construction	5/1/13	BIOLOGIST			
OPS	BIO-8	Provide an annual Payment to Friends of San Pablo Bay. The First Annual Payment shall be at least equal to $2,693.00 + $20,000 payment of good faith	Provide written verification to the CPM, USFWS, and CDFG that first annual payment was made. Thereafter within 30 days of the each commencement anniversary date provide written verification of payment to parties above	30 days after the start of project operation	5/31/13	GenOn			
CONS	CIV-2	RE shall stop all earthwork and construction in the affected areas when the responsible soils, geotechnical, or civil engineer experienced and	Notify the CPM within 24 hours when earthwork and construction are stopped as a result of unforeseen adverse geological	Within 24 hours of construction halt due to geologic	As required	KIEWIT			
CONS	CIV-3	Perform inspections in accordance with this condition (see codes referenced). If work is not	RE shall transport to the CBO and CPM a NCR and the proposed corrective action for	Within 5 days of discovery of any	As required	KIEWIT			
CONS	CIV-4	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.	Submit to the CBO for review and approval the final grading plans (including final changes) and the responsible civil engineer's signed statement that the installation of the facilities and all erosion control measures were completed in accordance with final approved plans.	Within 30 days of completion of work	5/1/13	KIEWIT			
CONS	CUL-1b	Submit the resume of the proposed new CRS to the CPM for review and approval. Also provide the new CRS with copies of the AFC, data	Provide the required written documentation to the CPM.	At least 10 days prior to a termination or	As required	GenOn			
CONS	CUL-1d	Submit the resumes of the technical specialists to the CPM for review and approval.	Provide the required written documentation to the CPM.	At least 10 days prior to technical specialists beginning new	As required	CULTURAL SPECIALIST			
CONS	CUL-2b	Provide to the CRS and CPM a schedule of project activities for the following week, including the identification of area(s) where ground disturbance will occur during that week.		Weekly during construction	Weekly	KIEWIT			

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CONS	CUL-4a	If any archaeological monitoring or data recovery activities are conducted during project construction, submit a final Cultural Resources Report (CRR).	Provide the required written documentation to the CPM for review and approval.	Within 90 days after completion of landscaping	6/30/13	CULTURAL SPECIALIST			
CONS	CUL-4b	If cultural materials requiring curation were collected, provide to the CPM a copy of an agreementor other written commitment form.	Provide the required written documentation to the CPM.	Within 90 days after completion of landscaping	6/30/13	CULTURAL SPECIALIST			
CONS	CUL-4c	Provide documentation to the CPM confirming that copies of the final CRR have been provided to the SHPO, the CHRIS, the curating institution, if archaeological materials were collected, and to the Tribal Chairpersons of any Native American groups requesting copies of project-related reports.	Provide the required written documentation to the CPM.	Within 10 days after CPM approval of CRR	CEC Dependant	CULTURAL SPECIALIST			
CONS	CUL-4d	If the project is suspended, submit a draft CRR to the CPM for review and approval.	Provide the required written documentation to the CPM for review and approval.	Within 30 days after requesting a suspension	As required	CULTURAL SPECIALIST			
CONS	CUL-5b	Provde the WEAP Training Acknowledgement forms of workers who have completed the training in the prior month and a running total of	Include a running total in MCR.	Monthly	Include in the MCR	KIEWIT			
CONS	CUL-6a	Ensure that CRS, alternate CRS or CRMs monitor full time all ground disturbances at project site along the linear facilites routes, and laydown areas, roads, and other ancillary areas. And Ensure that the CRMs kee a daily log of any monitering	As long as no cultural resources are found, Provide daily a statement that "no cultural resources over 50 years of age were discovered" to the CPM as an e-mail	Daily	Daily	CULTURAL SPECIALIST			
CONS	CUL-6b	Submit monthly monitoring summary reports of cultural resources related monitoring, created by the CRS as required by the condition.	Include in each MCR a copy of the monthly summary report of cultural resources-related monitoring prepared by the CRS and attach any new DPR 523 A forms completed	Monthly	Include in the MCR	CULTURAL SPECIALIST			
CONS	CUL-6c	Notify CEC prior to changing or eliminatinating monitoring.	Provide letter or email to CPM for review and approval detailing justification for changing or eliminating monitoring.	At least 24 hours prior to changing level	As required	CULTURAL SPECIALIST			

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CONS	CUL-6d	A Native American monitor shall be obtained to monitor ground disturbance in areas and at depths, if any, where the CUL-1 geoarchaeological study identified the potential for buried prehistoric archaeological deposits and anywhere else that if Native American artifacts are encountered during ground disturbance.	Provide the required written documentation to the CPM.	No later than 30 days after discovery	As required	CULTURAL SPECIALIST			
CONS	CUL-6e	Submit any comments or information provided by Native Americans in response to the project owner's transmittals of information.	Provide the required written documentation to the CPM.	Within 15 days of receipt	As required	GenOn			
CONS	CUL-7b	Ensure the CRS notifies all Native American groups that expressed a desire to be notified in the event of a discovery and complete a DPR 523 forms as specified in the condition	Unless discovery is treated presciptiibley, Submitt completed DPR 523 forms to CPM for review and approval	Within 24 hours of discovery (48 to notify Native American groups)	As required	CULTURAL SPECIALIST			
CONS	CUL-8	If soils must be acquired from a non commercial borrow site, the CRS shall survey the borrow site for cultural resources and record on DPR 523 forms and that are identified and convey the results and recommendation for further action to	Notify the CRS and CPM as soon as it is known that non commercial borrow site will be used and provide documentation of previous archaeological surveys. If none available site must be surveyed 30 days	At least 30 days prior to and non commercial site borrow activities	As required	CULTURAL SPECIALIST			
CONS	ELEC-1	Prior to the start of any increment of electrical construction for electrical equipment and systems 480 volts and higher, with the exception of underground duct work and any physical layout drawings and drawings not related to code compliance and life safety, submit for CBO	Submit to the CBO for design review and approval the items listed in this condition	At least 30 days prior to start of construction of each increment of electrical construction	As required	KIEWIT			
CONS	GEN-1	Design, construct, and inspect the project in accordance with the codes listed in the condition.	The project owner shall submit to the CPM and the CBO a statement of verification, signed by the responsible design engineer, attesting that all designs, construction, installation, and inspection requirements of the applicable LORS and the Energy	Five (5) days prior to requesting the issuance of the certificate of occupancy	3/1/13	KIEWIT			
CONS	GEN-2b	Furnish the CPM and the CBO with an updated schedule of facility design submittals	Provide schedule updates in the monthly compliance report	Monthly	Include in the MCR	KIEWIT			
CONS	GEN-3	Make payments to the CBO for design review, plan check and construction inspections based upon a reasonable fee schedule to be negotiated between NCPA and the CBO.	Send copy of CBO's receipt of payment to CPM in next MCR indicating applicable fees have been paid.	Monthly	Include in the MCR	GenOn			

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CONS	GEN-6	Assign to the project, qualified and certified special inspector(s) who shall be responsible for the special inspections required by the 2007 CBC.	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	At least 15 days prior to start of an activity requiring special inspection	As required	KIEWIT	To CBO 2/2/11		CBO Approved 2-24-11
CONS	GEN-7	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	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. If any corrective action	Monthly	Include in the MCR	KIEWIT			
CONS	GEN-8	Obtain the CBO's final approval of all completed work that has undergone CBO design review and approval. Request the CBO to inspect the completed structure and review the submitted	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	Within 15 days of completion of any work	As required	KIEWIT			
OPS	HAZ-1	Do not use any hazardous material in any quantity or strength not listed in Appendix B unless approved in advance by the CEC CPM.	Provide to the CPM, in the Annual Compliance Report, a list of hazardous materials contained at the facility.	Annually	Include in the ACR	K&M			
CONS	HAZ-2	Concurrently provide and updated Business Plan, and updated Spill Prevention Control, and Countermeasure Plan, and an updated Risk Management Plan to CCCHSD-HMP) and the CPM for review. Reflect all changes in doc and provide copies to CCCHSD-HMP, CCCFPD and	Provide a copy of the final updated Business Plan and Updated SPCC plan to CPM for approval. Provide the final RMP to CCHSD-HMP and the CCFPD for information and to the CPM for approval	At least 30 days prior to receiving any hazardous material on site	1/1/13	GenOn			
CONS	HAZ-3	Develop and implement a Safety Management Plan (SMP) for the delivery of aqueous ammonia and other liquid hazmat by tanker truck.	Submit the plan to the CPM for review and approval.	At least 30 days prior to delivery of any hazardous	1/1/13	GenOn			
CONS	HAZ-4	Design ammonia storage facility to either ASME Pressure Vessel Code and ANSI K61.6 or to API 620. Tans shall be protected by a secondary	Submit final design drawings and specifications for the ammonia storage tank and secondary containment basin to the	At least 60 days prior to delivery of aqueous ammonia	12/2/12	GenOn - Tank Kiewit-Secondary			
CONS	HAZ-5	Direct all vendors delivering aqueous ammonia to the site to use only tanker truck transport vehicles that meet or exceed the specifications of DOT Code MC-307.	Submit copies of notification letter to supply vendors indicating the transport vehicle specs to the CPM for review and approval.	At least 30 days prior to reciept of aqueous ammonia on site	1/31/13	GenOn			
CONS	HAZ-6	Direct all vendors delivering any hazardous material to the site to use only the route approved by the CPM.Obtain approval of the CPM if an alternate route is desired.	Submit copies of the required transportation route limitation direction to the CPM for review and approval.	At least 60 days prior to reciept of any hazardous material on site	1/1/13	GenOn			
CONS	HAZ-8a	Prepare a site-specific security plan for the commissioning and operational phases which addresses all the items in the Condition.	Notify the CPM that a site-specific operations site security plan is available for review and approval.	At least 30 days prior to reciept of hazardous materials on site	1/31/13	GenOn			

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OPS	HAZ-8b	Include a statement that all current project employee and appropriate contractor background investigations have been performed, and that updated certification statements have been	Provide information for inclusion in annual compliance report.	Annually	Include in the ACR	K&M			
CONS	MECH-1a	MAJOR PIPING & PLUMBING SYSTEMS: Submit for CBO design review and approval the proposed final design, specifications and calculations for each plant major piping and plumbing system listed in the CBO approved master drawing and master specification list.	Submit to the CBO for design review and approval the final plans, specs, and calcs for each major plant piping and plumbing system listed in Facility Design Table 2. including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with LORS	At least 30 days prior to the start of any piping or plumbing construction	As required	KIEWIT			
CONS	MECH-1b	Upon completion of construction of any such major piping or plumbing system, the project owner shall request the CBO's inspection approval of that construction.	Provide the required written documentation to the CPM.	Monthly	Include in the MCR	KIEWIT			
CONS	MECH-2a	PRESSURE VESSELS: Submit for CBO design review and approval the proposed final design, specifications and calculations for each plant	Submit to the CBO for design review and approval the final plans, specs, and calcs, including a copy of the signed and stamped	At least 30 days prior to start of onsite fabrication	As required	KIEWIT			
CONS	MECH-2b	Upon completion of construction of pressure vessels, the project owner shall request the CBO's inspection approval of that construction.	Provide the required written documentation to the CPM.	Monthly	Include in the MCR	KIEWIT			
CONS	MECH-3	HVAC SYSTEMS: Submit for CBO design review and approval the proposed final design, specifications and calculations for each HVAC system listed in the CBO approved master drawing and master specification list.	Submit the calcs, plans, and specs to the CBO, including a copy of the signed and stamped statement from the responsible mech engr certifying compliance with CBC and other applicable codes, with a copy of transmittal to CPM.	At least 30 days prior to start of construction of any HVAC or refrig system	As required	KIEWIT			
CONS	NOISE-2	Throughout the construction and operation of the project, document, investigate, evaluate, and attempt to resolve all project-related noise complaints. Noise Complaint Resolution process will be used.	File a Noise Complaint Resolution Form with the City and the CPM documenting resolution of the compliant.	Within 5 days of receiving a noise compliant	As required	K&G	2/4/11		Received noise complaint 1/31/2011. Submited form to the CEC 2/4/2011

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COMM	NOISE-4a	Project design will include noise mitigation measures to ensure that noise levels due to operation of the project alone will not exceed an hourly average of 54 dBA at or near LT-1 and 45 dBA at or near LT-2; No single piece of equipment shall be allowed to stand out as a source of noise that draws legitimate complaints.	Conduct a community noise survey at monitoring location LT-1, LT-2, or at a closer location acceptable to the CPM. This survey during the power plant's full-load operation shall also include measurement of one-third octave band sound pressure levels.Conduct a survey of noise at monitoring locations.	Within 30 days of project's first achieving a sustained output of 85% or greater of rated capacity	5/31/13	KIEWIT			
COMM	NOISE-4b	Submit a summary report of the survey to the CPM. Included in the survey report shall be a description of any additional mitigation measures necessary to achieve compliance with the above listed noise limit, and a schedule, subject to CPM approval, for implementing these measures.	Submit required info to the CPM.	Within 15 days after completing noise survey	6/15/13	KIEWIT			
COMM	NOISE-5	Conduct an occupational noise survey to identify the noise hazardous areas in the facility when plant reaches 85% of rated capacity or greater	Prepare a report of the survey results and, if necessary, identify proposed mitigation measures that will be employed to comply with the applicable California and federal regulations.	Within 30 days after completing survey	6/30/13	KIEWIT			
CONS	PAL-5	Ensure that the PRS and PRM(s) monitor consistently with the PRMMP, all construction-related grading, excavation, trenching, and auguring in areas where potentially fossil-bearing	Paleo monitors shall provide monthly summaries for inclusion in MCR.	Monthly	Include in the MCR	PRS			
CONS	PAL-6	Through the designated PRS, ensure that all components of the PRMMP are adequately performed (see list of activities included in Condition).	Maintain in compliance file copies of signed contracts or agreements with the designated PRS and other qualified research specialists. Maintain these files for a period	As required	As required	PRS			
CONS	PAL-7	Ensure preparation of a Paleontological Resources Report (PRR) by the designated PRS to be completed following completion of ground disturbing activities.	Submit the PRR under confidential cover to the CPM.	Within 90 days after completion of ground disturbing activities	6/30/13	PRS			
CONS	Soil & Water-2c	Monitor and Maintain effective drainage, erosion and sediment control measures during construction	Provide Analysis of effectiveness of drainage, erosion and sediment control measures and the results of monitoring and maintain activities in MCR	Monthly	Include in the MCR	KIEWIT			

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CONS	Soil & Water-3	If groundwater is encountered during construction or operation: comply with the requirements of the CVRWQCB Order NO. R5-2008-0081 for Waste Discharge Requirements for Dewatering and Other Low threat Discharges to Surface Waters.	Submit a complete Notice of Intent (NOI) to obtain coverage under CVRWQCB Order No. R5-2008-0081. Submit copies to the CPM of all correspondence between the project owner and the CVRWQCB regarding Order No. R5-2008-0081 within 10 days of its receipt or submittal.	Prior to any groundwater discharge or dewatering activities	As required	KIEWIT			
CONS	Soil & Water-4	Comply with the requirements of the General National Pollutant Discharge Elimination System (NPDES) Permit for Discharges of Storm Water Associated with Industrial Activity (WQO 97-03-DWQ).	Develop andsubmit an Industrial SWPPP for the operation of the MLGS. Submit copies to the CPM of all correspondence between the project owner and the Central Valley Regional Water Quality Control Board regarding the industrial SWPPP within 10 days of its receipt or submittal.	Prior to commercial ops	5/1/13	GenOn			
CONS	Soil & Water-5a	Provide 2 copies of the executed Waste Water Discharge Agreement with DDSD for the long term discharge of all watewater streams for the MLGS to DDSD wastewater treatment facilites. Shall specify Peak discharge rate of 118 gpm. Do	Submit 2 copies of the of the executed agreement for the discharge of wastewater form the MLGS	No later than 60 days prior to connection the DDSD wastewater pipline	9/1/11	GenOn			
OPS	Soil & Water-5b	During operation an monitoring reports providied to DDSD shall also be provided to the CPM.	Submit any wasterwater quality monitoring reports required by DDSD, and a full explanation of corrective actions taken if a violation occurs to the CPM in the annual compliance report	Annually	Include in the ACR	GenOn			
OPS	Soil & Water-5c	Notify the CPM of any violations of discharge limits	Submit any notice of violations from DDSD to the CPM and fully explain the corrective actions taken in the annual compliance report	Within 10 days of of receipt of violation	As required	GenOn			
CONS	Soil & Water-6a	Install and Maintain metering devices as part of the water supply and distribution system to monitor and record in gallons per the volume of ground water and potable water supplied to the MLGS.	Submit Evidence to the CPM that metering devices have been installed and are operational on groundwater wells, potable eater and recycled water (if applicable) pipelines serving the project.	At least 60 days prior to use of any water source for operation	1/1/13	KIEWIT			

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OPS	Soil & Water-6b	Monitor and track the water use by operating the water metering devices for the life of the project. Differentiate between groundwater, potable water, and recycled water. Water use should not exceed 50 AFY from any source	Provide (1)a report on the service testing and calibration of the metering devices, (2)a water use summary report which is based on and distinguished between groundwater, potable water and recycled water, (3)	Annually	Include in the ACR	GenOn			
CONS	Soil & Water-6c	Provide evidence to the CPM that the City has agreed to supply emergency backup water to the project in sufficient quantities to meet the projects needs at a flow rate comparable with the flow rate provide by one on site well	Submit to the CPM evidence that city water meters are installed and are operational. And proof that the City can deliver alternative water the site in the event of an emergency interruption at a flow rate of	No later than 30 days prior to installing a connection to the City of Antioch	9/1/11	GenOn			
CONS	Soil & Water-6d	If Primary Alternative water source is approved by CPM to be City of Antioch Fresh Water Supply. (1)Pay fee equal to no more than $1,000/ AF of City of Antioch Water consumed annually. (2) A payment of $15,000 shall be made to the	Provide evidence that brackish groundwater is environmentally undesirable or economical unsound. Provide proof that the initial water conservation fee of $15,000 was paid to the city of Antioch.	Prior to site operations	4/1/13	GenOn			
OPS	Soil & Water-6e	If Primary Alternative water source (City of Antioch Water) is being used in operation, Pay an annual fee of $1,000/ AF of City of Antioch	Calculate the annual use payment at the rate of $1,000/ AF of fresh water reported annual in in the ACR. Pay the amount	No later than 60 days following the approval of the	As required	GenOn			
CONS	STRUC-1a	Prior to the start of any increment of construction, submit to the CBO for design review and approval the proposed lateral force procedures for project structures and equipment identified in	Construction of any structure or component shall not begin until the CBO has approved the lateral force procedures to be employed in designing that structure or component	At least 60 days prior to start of any structure or component listed	As required	KIEWIT			
CONS	STRUC-1b	Submit to the CPM a copy of a statement from the CBO that the proposed structural plans, specifications, and calculations have been approved and comply with the requirements set forth in applicable engineering LORS.	Submit required info to the CPM.	Monthly	Include in the MCR	KIEWIT			
CONS	STRUC-2	Submit to the CBO the required number of sets of the documents related to work that has undergone CBO design review and approval related to concrete cylinder strength test reports and pour sign-off sheets, bolt torque and field weld inspection reports, and other reports covering structural activities requiring special inspections in accordance with CBC.	If discrepancies are found, within 5 days the Project Owner shall prepare and submit an NCR to the CBO with a copy of the transmittal letter to the CPM. Within 5 days of resolution, the Project Owner shall submit a copy of the correction action to the CBO and CPM. The CBO's approval or disapproval shall be submitted to the CPM within 15 delays.	As required	As required	KIEWIT			
CONS	STRUC-3	Submit to the CBO design changes to the final plans required by the CBC, including the revised drawings, specifications, calculations, and a complete description of, and supporting rationale for, the proposed changes, and shall give to the CBO prior notice of the intended filing.	Notify the CBO of the intended filing of design changes, and notify the CPM in the MCR of the CBO's approval of the revised plans.	Monthly	Include in the MCR	KIEWIT			

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CONS	STRUC-4	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts specified in the 2007 CBC shall, at a minimum, be designed to comply with the requirements of	Submit to the CBO for design review and approval the final plans, specs, and calcs, including a copy of the signed and stamped statement from the responsible engineer	At least 30 days prior to the start of installation of the tanks or vessels	As required	GenOn - Ammonia Tank KIEWIT - All Other			
CONS	TLSN-1	Construct the proposed transmission line 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, Sections 2700 through 2974 of the California Code of Regulations, and Pacific Gas and Electric's EMF-reduction	Submit to the CPM a letter signed by a CA registered EE affirming that the line will be constructed according to the requirements set forth in the Condition.	At least 30 days prior to starting construction of proposed new lines	12/2/11	KIEWIT			
CONS	TLSN-2	Every reasonable effort will be made to identify and correct, on a case-specific basis, any complaints of interference with radio or TV signals from operation of the proposed line and associated switchyard.	Submit to the CPM a letter signed by a CA registered EE affirming the project owners intention to comply with this requirment.	At least 30 days before starting operation of either line option	11/1/12	KIEWIT			
CONS	TLSN-3	Use a qualified individual to measure the strengths of the electric and magnetic fields from the line at the points of maximum intensity along the proposed route. The measurements shall be	File copies of the pre-and post-energization measurements with the CPM.	Within 60 days after completion of measurements	10/28/13	KIEWIT			
CONS	TLSN-4	Ensure that the rights-of-way of the proposed transmission line are kept free of combustible material, 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.	Transmit to the CPM a letter affirming the intention to comply with this condition.	At least 30 days before the start of operations	4/1/13	GenOn			
CONS	TLSN-5	Ensure that all permanent metallic objects within the right-of-way of the project-related lines are grounded according to industry standards regardless of ownership.	Transmit to the CPM a letter confirming compliance with this condition.	At least 30 days before lines are energized	11/1/12	KIEWIT			
CONS	TRANS-2b	Restore any area of Wilbur Ave that were damaged during construction to their original condition.	Provide photo/ videotape documentation to the CCCPW and the City of Antioch Engineering Department and the CPM that any damaged areas have been restored.	Within 90 days following the completion of construction	6/30/13	KIEWIT			

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CONS	TSE-1	Provide the CPM and CBO with a schedule of transmission facility design submittals, a master drawing list, a master specifications list, and a major equipment and structure list as indicated in the condition.	Provide info to CBO and CPM.	At least 60 days prior to start of transmission line construction.	11/2/11	KIEWIT			
CONS	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	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	As required	KIEWIT			
CONS	TSE-4	For the power plant switchyard, outlet line and termination, construction shall not begin until plans for that increment of construction have been approved by the CBO. These plans, together with design changes and design change notices, shall remain on the site for one year after completion of construction.	Submit to the CBO for review and approval the final design plans, specifications and calculations	Before the start of each increment of construction	As required	K&G			
CONS	TSE-5a	Design, construct, and operate the proposed transmission facilitiesin in conformance with all applicable LORS, and the requirements listed in the condition	Submit to the CBO: a) Design drawings, specifications, and calculations conforming with CPUC General Order 95 or National Electric Safety Code (NESC); Title 8 of the	Prior to start to start of construction of the transmission	1/1/12	KIEWIT			
CONS	TSE-5b	Provide electrical one-line diagrams signed and sealed by the registered professional electrical engineer in charge, a route map, and an engineering description of the equipment and	b) For each element of the transmission facilities identified above, the submittal package to the CBO shall contain the design criteria, a discussion of the	Prior to start to start of construction of the transmission	1/1/12	KIEWIT			
CONS	TSE-5c	Provide the final Detailed Facility Study (DFS) including a description of facility upgrades, operational mitigation measures, and/or special protection system sequencing and timing if applicable.	c) Electrical one-line diagrams signed and sealed by the registered professional electrical engineer in charge, a route map, and an engineering description of the equipment and configurations covered by requirements **TSE-5** a) through f);	Prior to start to start of construction of the transmission facilities	1/1/12	KIEWIT			
CONS	TSE-5d	Provide the executed project owner and California ISO facility interconnection agreement.	d) The Special Protection System (SPS) sequencing and timing if applicable shall be provided concurrently to the CPM.	Prior to start to start of construction of the transmission facilities	1/1/12	GenOn			
CONS	TSE-5e	Provide evidence showing coordination with the affected agencies and utilities including but not limited to Western Area Power Administration and Lodi Electric Utility.	e) A letter stating that the mitigation measures or projects selected by the transmission owners for each reliability criteria violation, for which the project is responsible, are acceptable.	Prior to start to start of construction of the transmission facilities	1/1/12	GenOn			

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CONS	TSE-5f	Inform the CPM and CBO of any impending changes which may not conform to the requirements of TSE-05 and request approval to implement such changes.	f) The final Phase II Interconnection Study, including a description of facility upgrades, operational mitigation measures, and/or special protection system sequencing and timing if applicable, and.	Prior to start to start of construction of the transmission facilities	1/1/12	GenOn			
CONS	TSE-5g	Provide a copy of the executed LGIA signed by the California ISO and the Project Owner.	g) A copy of the executed LGIA signed by the California ISO and the project owner. Prior to the start of construction of or modification of transmission facilities, the project owner shall inform the CBO and the	Prior to start to start of construction of the transmission facilities	1/1/12	GenOn			
CONS	TSE-5h	Inform the CPM and CBO of any impending changes which may not conform to the requirements of TSE-05 and request approval to implement such changes.	Inform the CBO and CPM of any impending changes.	Prior to start to start of construction of the transmission facilities	1/1/12	KIEWIT			
CONS	TSE-6	Provide notice to the Cal-ISO prior to synchronizing the facility with the California transmission system:	Provide notice to the Cal-ISO prior to synchronizing the facility with the California transmission system:	One week prior to initial synchronization w/ the grid	11/24/12	GenOn			
CONS	TSE-7	Inspect the transmission facilities during and after project construction, and for any subsequent CPM- and CBO-approved changes, to ensure conformance with CPUC General Order 95 or National Electric Safety Code (NESC); Title 8 of the California Code and	Transmit to the CPM and CBO: "As built" engineering description(s) and one-line drawings of the electrical portion of the facilities signed and sealed by the registered electrical engineer in charge; a statement verifying conformity with the	Within 60 days after first synchronization to the grid	3/1/12	KIEWIT			
CONS	VIS-1a	Develop a treatment plan for the surfaces of all project structures and buildings visible to the public as specified in the condition.	Submit the proposed treatment plan to the CPM for review and approval and simultaneously to the CCC or responsible jurisdiction for review and comment. Any modifications must be sent to the CPM for approval	At least 90 days prior to specifying the vendor the colors and finishes of the first structures or building that are surface treated during manufacturing	12/1/10	K&M	5/19/2011 6/6/2011		Submitted plan per Condition on 5/19/2011 Submitted Hard Copies to Dawn Owens for submission to the City and County on 5/19/2011. Based on comments from the CEC resubmitted on 6/6/2011
CONS	VIS-1b	Treat the surfaces of all project structures and buildings visible to the public as specified in the condition.	Notify the CPM that the surface treatment of all listed structures and buildings has been completed and is ready for inspection and submit electronic color photographs taken from the same KOPs.	Prior to start of commerical operation	5/1/13	KIEWIT			

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OPS	VIS-1c	Ensure proper treatment maintenance for the life of the project.	Provide a status report regarding surface treatment maintenance in the ACR which specifies the items in the condition	Annually	Include in the ACR	GenOn			
CONS	VIS-2a	Develop a landscaping plan which would Provide landscaping that reduces the visibility of the power plant structures and complies with local policies and ordinances	Submit landscaping plan to the CPM for review and approval and simultaneously to CCC for review and comment.	At least 90 days prior to installation	1/1/13	GenOn			
CONS	VIS-2b	Provide landscaping that reduces the visibility of the power plant structures and complies with local policies and ordinances.	Simultaneously notify the CPM and CCC after the completion of the landscaping that the site is ready for inspection.	Within 7 days after completing landscaping	2/1/13	GenOn			
OPS	VIS-2c	Maintain landscaping, including any needed irrigationa nd annual or semi annual debris removal for the life of the project	Report landscaping maintence activites, including replacement of dead or dying vegetation for the previous year of operation in the ACR	Annually	Include in the ACR	GenOn			
CONS	VIS-3a	Design and install all permanent exterior lighting such that (a) lamps and reflectors are not visible from beyond the project site, including any off-site security buffer areas; (b) lighting does not cause excessive reflected glare; (c) direct lighting does not illuminate the nighttime sky; (d) illumination of the project and its immediate vicinity is minimized, and (e) the plan complies with local policies and ordinances.	Contact the CPM to discuss the documentation required in the lighting mitigation plan. The project owner shall not order any exterior lighting until receiving CPM approval of the lighting mitigation plan.	At least 90 days prior to ordering any permanent exterior lighting	2/1/13	KIEWIT			
CONS	VIS-3b	Prepare a lighting mitigation plan that includes the specific info set forth in the condition.	Submit to the CPM for review and approval and simultaneously to the Contra Costa County for review and comment a lighting mitigation plan.	At least 60 days prior to ordering any permanent exterior lighting	3/1/13	KIEWIT			

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CONS	VIS-3c	Notify the CPM that the permanent exterior lighting has been completed and is ready for inspection.	Set up an inspection appointment.	Prior to start of commercial operation	4/1/13	KIEWIT			
CONS	VIS-3d	Notify the CPM of any complaints re: lighting.	Submit a complaint resolution form to the CPM record each lighting complaint and document resolution of that complaint.	Within 48 hours after receiving a complaint	As required	KIEWIT-During Construction GenOn -			
CONS	WASTE-1b	Manage asbestos waste during demolition to comply with BAAQMD regulation 11, rule 2	Provide summary report(s) to the CPM on asbestos waste management via MCR to include items specified w/in the condition	Monthly	Include in the MCR	K&G			
CONS	WASTE-4	If potentially contaminated soil is identified during site characterization, excavation, or grading at either the proposed site or linear facilities, as evidenced by discoloration, odor, detection by handheld instruments, or other signs, the Professional Engineer or Professional Geologist shall inspect the site, determine the need for sampling to confirm the nature and extent of contamination, and provide a written report to the project owner, representatives of DTSC, and the CPM stating the recommended course of action.	Submit any final reports filed by the Professional Engineer or Professional Geologist to the CPM. Project owner must notify the CPM within 24 hours of any orders issued to halt construction.	Within 5 days of their receipt	As required	KIEWIT	4/15/2011 4/26/2011		Oily dirt - East side Oily dirt- Middle of Power Block

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CONS	WASTE-5b	Require all project contractors and subcontractors to adhere to the city's waste diversion requirements and provide to the project owner adequate documentation of the types and volumes of wastes generated, how the wastes were managed, and volumes of wastes diverted	Submit documentation to the city of Antioch, with copies to the CPM, demonstrating compliance with th diversion program requirements. The required documentation shall include a final completed Waste Management Plan (as set forth by the city ordinance) and all necessary receipts or records of measurement from entities	Not later than 30 days after completion of project construction	5/1/13	KIEWIT			
CONS	WASTE-5c	Comply with all applicable provisions of the city of Antioch's Construction and Demolition Debris Recycling Ordinance No. 1018- C-S	Provide documentation to the CPM that the project has satisfactorily complied with the city of Antioch Ordinance No. 1018-C-S	Prior to start of project Operation	5/1/13	KIEWIT			
OPS	WASTE-6b	Obtain a hazardous waste generator identification number from the United States Environmental Protection Agency prior to generating any hazardous waste during operations.	Keep a copy of the identification number on file at the project site and provide the number to the CPM.	At least 30 days prior to commercial operation.	5/31/13	GenOn			
COMM	WASTE-7a	Prepare an Operation Waste Management Plan for all wastes generated during operation of the facility	Submit the plan to the CPM for review and approval. The plan shall contain, at a minimum the items in the condition. submit any required revisions to the CPM within 20 days of notification from the CPM that revisions are necessary.	No less than 30 days prior to the start of project operation	4/1/13	GenOn			
OPS	WASTE-7b	Update the Operation Waste Management Plan as necessary to address current waste generation and management practices.	Document in each ACR the actual volume of wastes generated and the waste management methods used during the year; provide a comparison of the actual waste generation and management methods used to those proposed in the original Operation	Annually	Include in the ACR	GenOn			
OPS	WASTE-8	Ensure that all spills or releases of hazardous substances, hazardous materials, or hazardous waste are documented and cleaned up and that wastes generated from the release/spill are properly managed and disposed of, in accordance with all applicable federal, state, and	Provided to the CPM unauthorized release/spill documentation	Within 30 days of the date the release was discovered.	As required	K&G			

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OPS	WASTE-9	Notify the CPM of any impending waste management-related enforcement action by any local, state, or federal authority 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 that may be related to management of	Notify the CPM in writing and provide a description and timeline for steps to be taken to address the action.	Within 10 days of becoming aware of an impending enforcement action	As required	K&G			
COMM	WORKER SAFETY-2	Prepare and submit an O&M Safety & Health Plan containing: an IIPP, EAP, HMMP, FPP, and PPE.	The Operations IIPP, EAP, PPE shall be submitted to the CEC CPM for review and comment; the EAP and FPP shall also be submitted to the CCC Fire Protection District for review and comment. Provide a copy of a letter to the CPM from the CCC Fire	At least 30 days prior to first fire or commissioning	1/1/13	GenOn			
CONS	WORKER SAFETY-3b	The CSS shall prepare and submit a monthly safety inspection that includes the info specified in the verification language of the condition.	Submit required info to the CPM.	Monthly	Include in the MCR	KIEWIT			
PC-1	Soil & Water-1a	Coordinate with the Water Board as necessary develop and implement a construction SWPPP	Submit to the CPM copies of all correspondence with the Water Control Board regarding the SWPPP within 10 days of receipt.	No later than 30 days prior to start of site mobilization	12/2/10	KIEWIT	1/5/11		Approved (No Date Given)
PC-1	Soil & Water-1b	Develop and implement a Storm Water Pollution Prevention Plan (construction SWPPP) for the LEC site, laydown areas, and on-site linear facilities. Submit to the CPM a copy of the construction SWPPP. Info should include a copy of the Notice of Intent for Compliance with the General NPDES permit	Submit to the CPM a copy of the NOTICE OF INTENT FOR COMPLIANCE with the General NPDES permit.	No later than 60 days prior to site mobilization	11/2/10	KIEWIT	1/5/11		Approved (No Date Given)
PC-1	AQ-SC1	Designate and retain an on-site AQCMM who shall be responsible for directing and documenting compliance with conditions AQ-SC3, AQ-SC4 and AQ-SC5 for the entire project site and linear facility construction. The on-site	Submit to the CPM for approval the name, resume, qualifications, and contact information for the on-site AQCMM and all AQCMM delegates. The AQCMM and all delegates must be approved by the CPM	60 days prior to the start of ground disturbance	11/2/10	GenOn	9/13/10	2010-1172	Approved 9/23/2010
PC-1	AQ-SC2	Provide, for approval, an AQCMP that details the steps to be taken and the reporting requirements necessary to ensure compliance with conditions of certification AQ-SC3, AQ-SC4 and AQ-SC5.	Submit the AQCMP to the CPM for approval. The CPM will notify the project owner of any necessary modifications to the plan within 30 days from the date of receipt. The AQCMP must be approved by the CPM before the start of ground disturbance.	60 days prior to the start of any ground disturbance	11/2/10	GenOn	9/21/10	2010-1220	Approved 10/06/10

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PC-2	AQ-SC7	Provide emission reductions in the form of offsets or emission reduction credits (ERCs) in the quantities of at least 78.83 tons per year (tpy) NOx, 14.23 tpy VOC, 31.57 tpy PM10, and 4.96 tpy SOx emissions. The project owner shall	Submit to the CPM records showing that the project's offset requirements have been met prior to initiating construction. If the CPM approves a substitution or modification to the list of ERCs, the CPM shall file a	Prior to Initiating Construction	3/2/11	GenOn	10/13/10	2010-1361	Approved 10/29/2010
PC-1	BIO-1	Assign a Designated Biologist to the project. The DB must meet the specified qualifications. No site or related facility activities shall commence until an approved Designated Biologist is available to be on site. Adhere to condition specification if the DB needs to be replaced	Submit the resume of the proposed DB, with at least 3 references and contact information, to the (CPM) for approval.	At least 90 days prior to the start of any site (or related facilities) mobilization	10/3/10	GenOn	9/21/10	2010-1221 Returned 10/6/2010	Approved 10/20/2010
PC-1	BIO-4a	Develop and implement a CPM-approved Worker Environmental Awareness Program (WEAP) in which each of its employees, as well as employees of contractors and subcontractors who work on the project site or any related facilities during site mobilization, ground disturbance, grading, construction, operation, and closure are informed about sensitive biological resources associated with the project	Provide to the CPM the proposed WEAP and all supporting written materials and electronic media prepared or reviewed by the DB and a resume of the person(s) administering the program.	60 days prior to the start of any site (or related facilities) mobilization	11/2/10	BIOLOGIST	10/26/2010 Resubmit WEAP Handout 12/21/2010 1/26/2011	2010-1490 2010-1790 12/3/2010	Additional Information Submitted 12/3/2010 WEAP handbook revised 1/24/2011
PC-1	BIO-4c	Deliver copies of final CPM approved WEAP materials to site.	Submit two copies of the CPM approved materials.	At least 10 days prior to site or related facilities mobilization	12/22/10	BIOLOGIST	10/26/10	2010-1490	Additional Information Submitted 12/3/2010 Approved 1/11/2011
PC-1	BIO-5	Prepare the proposed BRMIMP (see BIO-6 for detailed requirements of the BRMIMP).	Submit two copies of the BRMIMP to the CEC CPM for review and approval and to USFWS/CDFG for review and comment	At least 60 days prior to site or related facilities mobilization	11/2/10	BIOLOGIST	10/13/2010 Resub 11/18/2010	21010-1362 11/3/10 2010-1679 11/18/2010	Additional Information Submitted 12/3/2010 Additional copy
PC-2	BIO-7	Conduct migratory bird pre-construction nest surveys as required by condition. If active nests are detected during the survey, the report shall include a map or aerial photo identifying the location of the nest and shall depict the boundaries of the no-disturbance buffer zone	Provide the CPM a letter-report describing the findings of the pre-construction nest surveys, including the time, date, and duration of the survey; identity and qualifications of the surveyor(s); and a list of species observed. Additional copies shall	At least 10 days prior to site or related facilities mobilization	12/22/10	BIOLOGIST	3/8/11		Approved, but ongoing review required.
PC-2	CIV-1a	Submit design of the proposed drainage structures and the grading plan.	Submit documents to the CBO for review and approval.	At least 30 days prior to the start of site grading	3/2/11	KIEWIT	2/19/2011 to CEC and CBO		CBO comments 3/10/11 Approved 3/29/2011

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PC-2	CIV-1b	Submit the erosion and sedimentation control plan.	Submit documents to the CBO for review and approval.	At least 30 days prior to the start of site grading	3/2/11	KIEWIT	2/19/2011 to CEC and CBO		Approved 3/28/2011
PC-2	CIV-1c	Submit the storm water pollution prevention plan (SWPPP).	Submit documents to the CBO for review and approval.	At least 30 days prior to the start of site grading	3/2/11	KIEWIT	2/19/2011 to CEC and CBO		CBO comments 3/10/11 Approved 3/28/2011
PC-2	CIV-1d	Submit related calculations and specifications, signed and stamped by the responsible civil engineer.	Submit documents to the CBO for review and approval.	At least 30 days prior to the start of site grading	3/2/11	KIEWIT	2/19/2011 to CEC and CBO		CBO comments 3/10/11 Approved 3/28/2011
PC-2	CIV-1e	Submit the soils, geotechnical, or foundation investigations reports required by the 2007 CBC.	Submit documents to the CBO for review and approval.	At least 30 days prior to the start of site grading	3/2/11	KIEWIT	2/19/2011 to CEC and CBO		CBO comments 3/10/11 Approved 3/28/2011
PC-1	CUL-1a	Obtain the services of a Cultural Resources Specialist (CRS), and one or more alternate CRSs, if alternates are needed	Submit resumes to the CEC CPM for review and approval.	At least 30 days prior to start of ground disturbance	12/2/10	GenOn	9/29/10	2010-1261 returned 10/4/10	Approved 10/4/2010
PC-1	CUL-1c	Provide a letter naming anticipated CRMs for the project and stating that the identified CRMs meet the minimum qualifications for cultural resources monitoring required by this Condition.	Provide the required written documentation to the CPM.	At least 20 days prior to ground disturbance	12/12/10	GenOn	10/7/10	10/12/2010	Approved 10/12/2010
PC-1	CUL-1e	Confirm in writing to the CPM that the approved CRS will be available for onsite work and is prepared to implement cultural resources conditions.	Provide the required written documentation to the CPM.	At least 10 days prior to the start of ground disturbance	12/22/10	GenOn	10/7/10	2010-1261	Approved (No Date Given)
PC-1	CUL-2a	Provide to the CRS, if the CRS has not previously worked on the project, copies of the AFC, data responses, confidential cultural resources reports, all supplements and the SA for the project. Also provide site maps and drawings for cultural resource planning activities	Provide requested into to the CRS.	At least 30 days prior to the start of ground disturbance	12/2/10	GenOn	12/10/10	2010-1831	Approved (No Date Given)

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PC-1	CUL-3a	Submit the Cultural Resources Monitoring and Mitigation Plan (CRMMP), as prepared by the CRS. (See condition for specific requirements.)	Submit the entire CRMMP to the CEC CPM for review and approval.	At least 30 days prior to ground disturbance	12/2/10	CULTURAL SPECIALIST	10/26/2010 Revised 11/2/2010	2010-1485 2010-1566	Approved 1/11/2011
PC-1	CUL-3b	Agree to pay curation fees for any materials collected as a result of the archaeological investigations (survey, testing, data recovery)	Provide the required written documentation to the CPM.	At least 30 days prior to ground disturbance	12/2/10	GenOn	10/26/10	2010-1485	Approved 1/11/2011
PC-1	CUL-5a	The CRS shall prepare a WEAP that addresses all issues specified in Condition and provided training to all new workers within their first week of employment at the project site, laydown areas, and along the linear facilities routes.	Provide the draft text and graphics for the training program to the CPM for review and approval.	At least 30 days prior to ground disturbance	12/2/10	CULTURAL SPECIALIST	10/26/2010 1/26/2011	2010-1362	Approved 12/10/2010 Submitted WEAP training Video 1/26/2010 Final
PC-1	CUL-7a	Grant authority to halt construction to the CRS, alternate CRS and the CRMs in the event previously unknown cultural resource sites or materials are encountered, or if known resources	Provide the CPM and CRS with a letter confirming that the CRS, alternate CRS and CRMs have the authority to halt construction activities in the vicinity of a cultural resource	At least 30 days prior to ground disturbance	12/2/10	GenOn	10/26/10	2010-1487	Approved 1/11/2011
PC-2	GEN-2a	Furnish the CPM and the CBO with a schedule of facility design submittals, and master drawings and master specifications list. The master	Submit to the CBO and to the CPM the schedule, and the master drawings and master specifications list of documents to be	At least 60 days prior to the start of rough grading	1/31/11	KIEWIT	11/19/2010 1/4/11 to the CBO	2010-1726	Approved 12/15/2010
PC-2	GEN-4	Assign a California registered architect, or a structural or civil engineer as the resident engineer (RE) in charge of the project.	Submit to the CBO for review and approval, the resume and registration number of the RE and any other delegated engineers assigned to the project. Notify the CPM of	At least 30 days prior to start of rough grading	3/2/11	KIEWIT	12/3/2010; To CBO 1-26-11	2010-1785	Approved (No Date Given)

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PC-2	GEN-5	Assign at least one of each of the following California registered engineers to the project: a civil engineer; a soils, geotechnical, or civil engineer experienced and knowledgeable in the practice of soils engineering; and an engineering geologist, a design engineer who is either a structural engineer or a civil engineer fully competent and proficient in the design of power plant structures and equipment supports; a mechanical engineer; and an electrical engineer.	Submit to the CBO for review and approval, resumes and registration numbers of the responsible engineers. Notify the CPM of the CBO's approvals of the responsible engineers within five days of the approval.	At least 30 days prior to start of rough grading	3/2/11	KIEWIT	To CBO 1/17/11 To CEC 2/16/2011 6/28/2011 addtnl		CBO Approved 2-16-11 CEC Approved 3/16/2011 Submitted Tharu Nadaraj (Electrical) and Chad Enders (Civil) for approval 6/28/2011 Mr. Nadaraj and Mr. Enders resumes approved 8/12/11 Submitted Gen Amrhein, Chad Enders and Shong Liu for Design Engineer 8/15/2011
PC-2	GEO-1	Specifically include in the Soils and Engineery Report, laboratory test data, associated geotechnical engineering analyses, and a thorough discussion of the potential for liquefaction and associated lateral spread, and dynamic compaction. The report should also	Include in the application for a grading permit a copy of the Soils Engineering Report which address the potential for liquefaction and associated lateral spread; settlement due to compressible soils, dynamic compaction; and the possible	At least 30 days prior to the start of grading	3/2/11	KIEWIT	2/19/2011 to CEC and CBO		Approved 3/28/2011
PC-2	HAZ-7	Prepare a site-specific construction security plan for the construction phase which addresses the items in the Condition.	Notify the CPM that a site-specific construction security plan is available for review and approval.	At least 30 days prior to start of construction	3/2/11	KIEWIT	11/24/10	2010-1731	Approved (No Date Given)
PC-1	NOISE-1	Notify all residents within one mile of the site and one-half mile of the linear facilities, by mail or other effective means, of the commencement of project construction. Establish a telephone number for use by the public to report any undesirable noise conditions associated with the construction and operation of the project and include that telephone number in the above notice. The telephone number shall be posted at the project site during construction in a manner visible to passersby and maintained until project has been operational for one year.	Transmit to the CPM a statement, signed by the project owner's project manager, stating that the above notification has been performed and describing the method of that notification, verifying that the telephone number has been established and posted at the site, and giving that telephone number.	At least 15 days prior to the start of ground disturbance	12/17/10	GenOn	12/14/10	2010-1903	Approved (No Date Given)
PC-1	NOISE-3	Submit a noise control program and statement signed by project manager verifying that noise control program will be implemented throughout construction of the project. The noise control	Submit a noise control program and project manager's verification letter to the CEC CPM for review and approval.	At least 30 days prior to ground disturbance	12/2/10	KIEWIT	11/19/10	2010-1727	Approved 12/15/2010

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PC-1	NOISE-6	Heavy equipment operation and noisy construction work relating to any project features, including pile driving, shall be restricted to the times delineated below, unless a waiver has been issued by the City of Antioch for alternative	Transmit to the CPM a statement, signed by the project owner's project manager, acknowledging that the above restriction will be observed throughout the the constucito of the project. If waiver is issued by the city	Prior to Ground Distrubance	12/2/10	KIEWIT	11/19/2010 5/5/2011 5/19/2011	2010-1728	Approved 12/15/2010 4/22/2011
PC-1	PAL-1a	Provide the CPM with the resume and qualifications of the Paleontological Resource Specialist (PRS) for review and approval.	Submit the resume, references, and statement of availability to the CPM for review and approval.	At least 60 days prior to ground disturbance	11/2/10	GenOn	9/29/2010 4/22/2011	2010-1260 10/5/2010	Approved 9/30/2010 New Monitor Annette Consolino
PC-1	PAL-1b	Provide a letter with resumes naming anticipated monitors stating they meet mimimum quals for monitoring.	Submit the requested info to the CPM .	At least 20 days prior to ground disturbance	12/12/10	GenOn	11/2/10	2010-1565	Approved (No Date Given)
PC-1	PAL-2	Provide to the PRS and the CPM, for approval, maps and drawings showing the footprint of the power plant, construction laydown areas and all related facilities.	Provide maps and drawings to the PRS and CEC CPM	At least 30 days prior to ground disturbance	12/2/10	GenOn	12/2/10		Approved (No Date Given)
PC-1	PAL-3	The PRS shall prepare and submit a Paleontological Resources Monitoring and Mitigation Plan (PRMMP) to identify general and specific measures to minimize potential impacts to significant paleontological resources	Provide the PRMMP to the CEC CPM, including an affidavit of authorship by the PRS and acceptance of the PRMMP by the project owner evidenced by a signature.	At least 30 days prior to ground disturbance	12/2/10	PRS	11/4/2010 Final 12/14/2010	2010-1577	Ammended 7/26/10 Affidavit not required.
PC-1	PAL-4	If deemed needed, the PRS shall prepare and conduct weekly CPM-approved training for all project managers, construction supervisors and workers who are involved with or operate ground	Provide the WEAP materials to the CPM including: brochure, reporting procedures, script, and final video.	At least 30 days prior to ground disturbance	12/2/10	PRS	10/26/2010 1/26/2011	2010-1489	APPROVED ON GOING 11/29/2010
PC-2	SOCIO-1	Pay the one-time statutory school development fee to the Antioch Unified School District as required by Education Code Section 17620	Provide the CPM proof of payment of the fee	At least 30 days prior to start of project construction	3/2/11	GenOn	2/4/11		Approved (No Paperwork Given)
PC-1	Soil & Water-2a	Obtain CPM approval for a site- specific Drainage, Erosion, and Sedimentation Control Plan (DESCP)	Submit a copy of the DESCP to the CPM along with evidence from Contra Costa County that the DESCP meets the requirements of Contra Costa Clean Water Program.	No later than 30 days prior to the start of site mobilization	12/2/10	KIEWIT	1/24/11	2011-0158	Approved (No Paperwork Given)
PC-2	Soil & Water-2b	Coordinate with Contra Costa County to ensure that the DESCP meets local requirements for a post-construction Storm Water Control Plan.	The DESCP shall meet local requirements for a post-construction Storm Water Control Plan.	No later than 30 days prior to the start of construction.	3/2/11	KIEWIT	2/19/11		Approved 3/28/2011
PC-1	TRANS-1	In coordination with Contra Costa County Public Works Department, develop and implement a construction traffic control plan to include the items specified within the condition	Provide CCCPW and the city of Antioch Engineering Department for review and comment the construction traffic control plan. Provide to the CPM the construction	At least 60 days prior to the start of site mobilization	11/2/10	KIEWIT	11/18/2010 1/5/2011 1/31/2011	2010-1685 2011-0219	Returned for addional Informatio 12/13/2010. Resubmitted 1/5/2011 Resubmitted additional

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PC-1	TRANS-2a	Prepare a mitigation plan for Wilbur Ave should it be damaged by project construction. Should ensure that if damage occurs it will be repaired to original condition. The plan include the condition specified items (Photographic/videotape evidence of pre construction condition is req)	Submit a mitigation plan focused on restoring the local identified roads to is pre-project condition to the City of Antioch for review and comment and to the CPM for Review and approval.	At least 90 days prior to the start of any site (or related facilities) mobilization	10/3/10	KIEWIT	11/18/10	2010-1686	Approved 2/4/2011 No Paperwork Given
PC-2	TSE-2	Assign an electrical engineer and at least one of each of the following: a civil engineer; geotechnical engineer or a civil engineer experienced and knowledgeable in the practice of soils engineering; a design engineer who is either a structural engineer or a civil engineer and fully competent and proficient in the design of power plant structures and equipment	Submit names, resumes, quals, and registration numbers of all engineers assigned to the project to the CBO for review and approval. (If any are replaced, new resumes must be submitted.)	Prior to start of rough grading	3/2/11	KIEWIT	To CBO 1-27-11 To CEC 2/16/2011 8/15/2011	Verballty approved (C.H.)	CBO Approved 2-16-11 CEC Approved 3/16/2011 Submitted Reid Strain for Design Engineer and
PC-1	WASTE-1a	Comply with BAAQMD Regulation 11, rule 2 req for management and disposal of asbestos contain material removed during project demolition.	Provide to the CPM copies of the BAAQMD notification materials, acknowledgment letter and job number assigned by the BAAQMD for review and approval	No less than 10 day prior to commencement of project related demolition	1/7/11	K&G	1/24/11		Approved 1/31/2011 No Paperwork
PC-1	WASTE-2	Complete a lead-based paint survey of all structures to be demolished and ensure that project related demolition debris contain lead based paint is properly managed and disposed of in accordance with all applicable LORS	Verification: At least 30 days prior to the start of project-related demolition, the project owner shall submit to the CPM for review and approval a copy of the lead-based paint survey conducted for the project site. The project manager shall also provide to the CPM a description of the procedures	At least 30 days prior to the start of project-related demolition	12/2/10	GenOn	1/5/11	2011-0137	Approved 1/31/2011 No Paperwork
PC-1	WASTE-3	Provide the resume of a Registered PE or Geologist, who shall be available for consultation during site characterization (if needed), excavation and grading activities.	Submit resume to CPM for approval. Provide to the CPM a copy of the contract with the approved professional Engineer/Geologist prior to start of project related demolition	At least 30 days prior to site mobilization	12/2/10	KIEWIT	11/24/10	2010-1730	Approved 1/18/2011
PC-1	WASTE-5a	Comply with all applicable provisions of the city of Antioch's Construction and Demolition Debris Recycling Ordinance No. 1018- C-S., including preparation of a Construction and Demolition Debris Recycling Ordinance Waste Management Plan for all wastes generated during project demolition and construction activities.	At least 45 days prior to the start of project-related demolition, the project owner shall submit to the city a draft Construction and Demolition Debris Recycling Ordinance Waste Management Plan for review and comment. Submit to the CPM for review and approval the draft Waste Management Plan	Not less than 15 days prior to the start of project-related demolition	11/25/10	KIEWIT	12/02/2010 to City 12/03/2010 to CEC Resubmit to CEC 12/21/2010	2010-1784 2010-1927	Approved 1/31/2011 No Paperwork

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PC-1	WASTE-6a	Obtain a hazardous waste generator identification number from the United States Environmental Protection Agency prior to generating any hazardous waste during construction.	Keep a copy of the identification number on file at the project site and provide the number to the CPM.	Prior to start of construction	12/10/10	K&M	11/16/2010 Asbestos Removal	2010-1665	Approved 11/18/2010
PC-1	WASTE-10	Ensure that the Marsh Landing Generating Station site is properly characterized so as to be able to identify hazardous wastes present at the project site. The project owner shall work closely with PG&E and Ensure that PG&E follows any	Provide the CPM for review and approval all project-related plans, results, and assessments provided by PG&E to DTSC and all obtainable project-related written correspondence between DTSC and PG&E	At least thirty (30) days prior to the start of any soil excavation or grading	3/2/11	GenOn	11/29/2010 6/28/2011	2010-1738 returned 12/3/2010 2011-0144	**Pending DTSC approval of plan letter. Additional**
PC-2	WORKER SAFETY-1	Submit a copy of the Project Construction Safety and Health Program containing the following construction plans: PPE, Exposure Monitoring, IIPP,EAP, and FPP. provide a copy of a letter to the CPM from the CCC Fire Protection District	The Safety Program, PPE, IIPP, and Exposure Monitoring Program shall be submitted to the CEC CPM for review and approval; the EAP and FPP shall be submitted to the CCC Fire Protection District	At least 30 days prior to start of construction	3/2/11	KIEWIT	1/11/11	2011-0111	Approved (No Paperwork Given)
PC-1	WORKER SAFETY-3a	Provide a site Construction Safety Supervisor (CSS) who, by way of training and/or experience, is knowledgeable of power plant construction activities and relevant laws, ordinances, regulations, and standards; is capable of identifying workplace hazards relating to the construction activities; and has authority to take	Submit to the CPM the name and contact information for the Construction Safety Supervisor (CSS). The contact information of any replacement CSS shall be submitted to the CPM within one business day.	At least 30 days prior to the start of construction	3/2/11	KIEWIT	11/18/2010 Kiewit		Approved (No Paperwork Given)
PC-2	WORKER SAFETY-4	Make payments to the CBO for the services of a Safety Monitor (in addition to the other services provided by the CBO). Safety monitor shall be responsible for verifying that the	Provide proof of agreement to fund the safety monitor services to the CPM for review and approval.	Prior to the start of construction	3/2/11	GenOn	1/31/11	2011-0220	Provided CBO letter confirming service were covered by GenOn 1/31/2011
PC-1	WORKER SAFETY-5a	Ensure that a portable automatic external defibrillator (AED) is located on site during demolition & construction, and shall implement a program to ensure that workers are properly trained in its use and that the equipment is properly maintained and functioning at all times.	Submit to the CPM proof that a portable automatic external defibrillator (AED) exists on site and a copy of the training and maintenance program for review and approval.	At least 30 days prior to the start of construction	12/2/10	KIEWIT	11/24/2010 Kiewit		Approved (No Paperwork Given)

4.0 Conditions Satisfied During the Reporting Period

The following table lists the compliance requirements that were approved/ satisfied in the reporting period. A complete list of satisfied requirements is included in the Compliance Matrix and is shaded to indicate completion.

Condition	Description	Approval Date and Notes
NA		

Marsh Landing Generating Station

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5.0 Submittal Deadlines Missed

Marsh Landing was seeking CEC authorization for site grading/construction by a target date of March 18, 2011. CEC Compliance Management approved the filings and authorized construction to commence on March 25, 2011. The anticipated online date of the Marsh Landing Generation Station is 5/1/2013.

There were no Submittal Deadlines missed to support the CEC Authorization described above.

Marsh Landing Generating Station

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6.0 Approved Changes to Conditions of Certification – Cumulative List

Condition of Certification	Date Change was approved
PAL-3	July 26, 2010

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7.0 Other Governmental Agency Filings and Permits Issued

A copy of all other Government agency permits issued is included in the preceding section. The attached table titled "Marsh Landing Generating Station Pending Government Approval Status Summary" summarizes the approval notices received to date.

Marsh Landing Generating Station
Part B Approval Status Summary

Permit Required	Date of Approval Given
1. Permit to Operate by BAAQMD (to be obtained prior to operating equipment)	Q1 2013 Expected
2. Clean Air Act Title IV Permit by BAAQMD (Acid Rain Permit) (application to be filed with BAAQMD at least 24 months prior to first fire)	2013 Expected
3. Clean Air Act Title V Permit by BAAQMD (to be obtained within 12 months after commencing operation)	2013 Expected
4. FERC Order Granting Market Based Rate Authorization (to be obtained prior to start-up or testing of the MLG Project or generating electricity from the MLGS Project)	Q1 2013 Expected
5. FERC Acceptance or Issuance of Certification or Self-Certification of Exempt Wholesale Generator Status (to be obtained prior to start-up or testing of the MLGS Project or generating electricity from the MLGS Project)	Q1 2013 Expected
6. FERC Approval of Executed CAISO Interconnection Agreement (to be obtained by CAISO after execution)	5/2/2011 Actual
7. FERC Approval of Executed Participating Generator Agreement and Meter Service Agreement (to be obtained by CAISO after execution)	Q1 2013 Expected
8. Additional Governmental Approvals Identified in the CEC Decision or otherwise required in the ordinary course of business, including the following:	
a. BAAQMD notification materials, acknowledgment letter and job number assigned by BAAQMD for MLGS Project demolition activities (to be obtained not less than 10 days prior to commencement of MLGS Project-related structure demolition)	1/20/2011 Actual
b. Contractors permit for well installation (to be obtained prior to installing wells)	7/28/11 Actual
c. Certificates of Occupancy from the Chief Building Official (Contra Costa County) (CBO) (to be obtained prior to permanent occupancy of buildings)	Q1 2012 Expected
d. Contractors permits for construction, including grading and drainage, excavation, fire protection, building and Notice of Intent for California Statewide General Construction Storm Water Permit (State Water Resources Control Board Order No. 2009-0009-DWQ)) (application for grading permit to be submitted at least 30 days prior to grading; others to be obtained as specified in the CEC Decision or by the CBO)	3/25/2011 Actual
e. Other CBO approvals to be obtained as specified in the CEC Decision	Ongoing
f. Contractors transportation-related permits (including heavy haul permits) for transportation of equipment to the site (to be obtained prior to transporting equipment)	Q1 2012 Expected
g. Notice of Intent to Comply with the General National Pollutant Discharge Elimination System Permit for Discharges of Storm Water Associated with Construction Activity, and California Statewide General Industrial Storm Water Permits (State Water Resources Control Board Order No. 97-03-DWQ) (to be submitted 30 days prior to site mobilization)	1/5/2011 Actual
h. Notice of Intent to obtain coverage under Central Valley Regional Water Quality Control Board Order No. R5-2008-0081 for Waste Discharge Requirements for Dewatering and Other Low Threat Discharges to Surface Water (to be submitted prior to any groundwater discharge or dewatering activities)	Q 3 2011 Expected
i. Evidence from Contra Costa County that the site-specific Drainage, Erosion, and Sedimentation Control Plan meets the requirements of the Contra Costa County Clean Water Program (to be provided 30 days prior to site mobilization)	1/20/2011 Actual
j. Contra Costa County Business License (to be obtained before engaging in business in the unincorporated area of Contra Costa County)	1/1/2011 Actual

k.	United States Environmental Protection Agency hazardous waste generator identification number (to be obtained prior to starting construction)	11/18/2010 Actual
l.	Agreement and/or permit for sewer service from City of Antioch (to be obtained prior to completing the connection to the sewer line)	Q 3 2011 Expected
m.	Executed Wastewater Discharge Agreement and any required industrial wastewater discharge permit from Delta Diablo Sanitation District ("DDSD") (to be obtained no later than 60 days prior to completing the connection to DDSD's wastewater pipeline)	6/6/2011 Actual
n.	Permit for crane operation (to be obtained prior to the start of construction)	Q4 2011 Expected
o.	Pressure vessel permit (to be obtained prior to the vessels being placed into service)	Q1 2012 Expected
p.	Potable water connection permit (to be obtained prior to installing connection with potable water system)	Q 3 2011 Expected
q.	Certification to Store Hazardous Materials (Hazardous Materials Business Plan) by Contra Costa County Health Services Department (to be obtained at least 30 days prior to receiving hazardous materials on site)	Q3 2012 Expected
r.	Approval of Risk Management Plan and Off-Site Consequence Analysis by Contra Costa County Health Services Department (to be obtained at least 30 days prior to delivery of aqueous ammonia to the site)	Q3 2012 Expected
s.	Approval of Spill Prevention, Control, and Countermeasure Plan by Contra Costa County Health Services Department for management of hazardous (to be obtained at least 30 days prior to receiving hazardous materials on site for commissioning or operations)	Q3 2012 Expected
t.	Any approvals required from California Environmental Protection Agency Department of Toxic Substances Control as specified in the CEC Decision (to be obtained at least 30 days prior to the start of any soil excavation or grading)	2/7/2011 Actual
u.	Encroachment permit for construction within Contra Costa County or City of Antioch right-of-way (to be obtained prior to starting construction in any right-of-way)	3/14/2011 Actual
v.	Waiver by the City of Antioch allowing heavy equipment operation and noisy construction work relating to the MLGS Project to take place earlier or later than times listed in CEC Decision (to be obtained prior to ground disturbance if construction activities will take place outside the specified times)	5/5/2011 Actual
w.	Approval by the Contra Costa County Public Works Department and the City of Antioch Engineering Department of the construction traffic control plan (to be provided at least 60 days prior to the start of site mobilization)	2/10/2011 Actual
x.	Approval by Contra Costa County of a lighting mitigation plan (process to be commenced at least 90 days prior to ordering any permanent exterior lighting)	Q1 2012 Expected
y.	Compliance with certification, verification and other requirements specified in California Public Utilities Commission General Order 167 (to be provided when the MLGS Project is interconnected and capable of operating in parallel with the electric system)	Q1 2013 Expected

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8.0 Project Two Month Projection

GenOn will execute an out of agency service agreement with the City of Antioch for water and sewer services.

Kiewit will continue project engineering. Kiewit expects to resolve issues with piling, and issue the appropriate drawings for construction.

Kiewit plans to issue for construction SCR cooling air fans piling, SCR and stack piling, fuel gas conditioner and regulator piling, fuel gas conditioner and regulators foundation, fuel gas heater piling, CTG/rotor air cooler foundation, and electrical vault/enclosure foundation drawings.

Kiewit will issue for review fuel gas compressor equipment/building piling, fuel gas compressor equipment/building foundation, ammonia area piling, ammonia storage foundation, SCR cooling air fans foundation, SCR and stack foundation, fuel gas compressor fin fan foundation, fuel gas filter/separator, and unit auxiliary transformer foundation drawings.

Siemens will continue engineering, procurement and manufacturing process related to gas turbine-generator equipment.

Mitsubishi will continue engineering, procurement and manufacturing process related to the SCRs.

Kiewit will continue to drive piles in the power block and other areas. They will continue to excavate, lay and backfill underground piping and duct bank for the fuel gas tie-in.

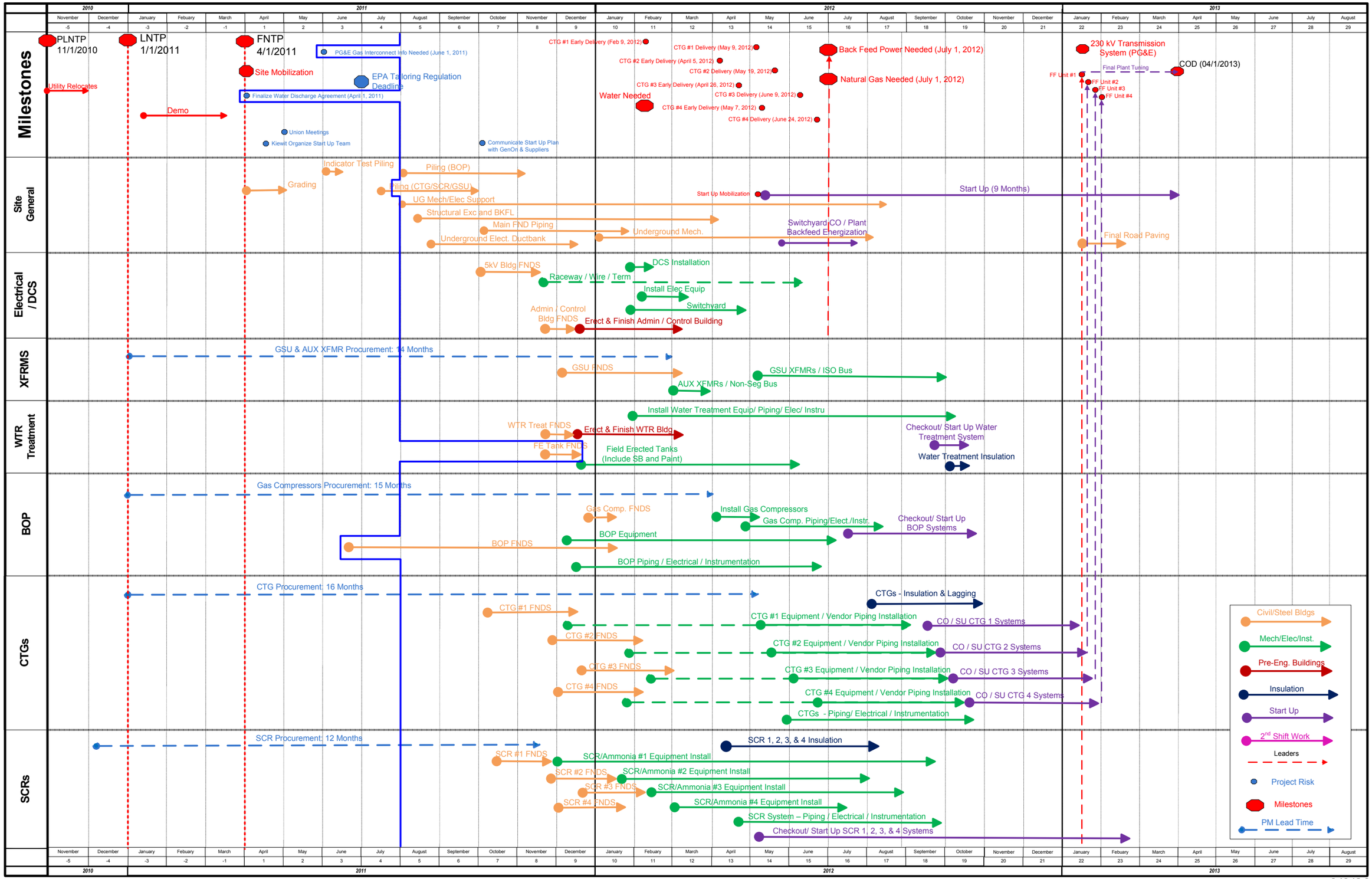
Kiewit’s tank supplier will continue erection of the raw water tank and wastewater tank, and commence installation of the RO permeate tank.

Kiewit’s drilling subcontractor may start drilling groundwater wells.

Level 1 Schedule

Marsh Landing

KIEWIT POWER CONSTRUCTORS



8/8/2011

9.0 Additions to the On-Site Compliance File

The following items were added to the compliance file

Sub #	Conditions Submitted	Date of Submission
56	PAL-1	August 12, 2011
57	TSE-2, GEN-5	August 15, 2011
58	MCR#11 July 2011	August 12, 2011
59	CUL-1	August 31,2011

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10.0 Complaints, Notices of Violations, Official Warnings, Citations, and Corrective Actions Taken

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11.0 Key Events List-

Milestone	DATE (Expected or Actual)*
Event Description	
Certification Date	8/25/2010 (Actual)
Obtain Site Control	9/21/2010 (Actual)
Online Date	5/1/2013
Site Activities	
Start Site Mobilization	2/15/2011 (Actual)
Start Construction	3/25/2011 (Actual)
Start Grading	4/19/2011 (Actual)
Start Ground Disturbance	4/19/2011 (Actual)
Begin Pouring Major Foundation Concrete	10/1/2011
Begin Installation of Major Equipment	12/1/2011
Complete All Construction	4/1/2013
First Combustion Gas Turbine	5/1/2013
Obtain Building Occupation Permit	5/1/2013
Start Commercial Operation	5/1/2013
Transmission Line Activities	
Start T/L Construction	1/1/2012
Synchronization with Grid and Interconnection	12/1/2012
Complete T/L Construction	5/1/2012
Fuel Supply Line Activities	
Start Gas Pipeline Construction and Interconnection	6/29/2011 (Actual)
Complete Gas Pipeline Construction	7/1/2012
Water Supply Line Activities	
Start Water Supply Line Construction	5/16/2011 (Actual)
Complete Water Supply Construction	7/1/2012
CEC Authorization	
Obtain Asbestos Removal Letter from CEC	1/31/2011 (Actual)
Obtain Authority to Construct Letter from CEC	3 /25/2011 (Actual)

*Dates indicated are actual or expected dates GenOn Marsh Landing began or expects to begin construction/ and or activities related to the facility of the milestone indicated.