MARSH LANDING GENERATING STATION

MONTHLY COMPLIANCE REPORT #17

Report Period: January 2012

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

January 2012

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 January 1, 2012 through January 31, 2012.

Construction is 14% complete and electrical duct bank installation in Power Blocks 3 & 4 is essentially complete.

Kiewit poured Power Block 1 CTG pedestals, tempering air fan and motor pedestals, ammonia flow control foundation and rotor air cooler foundation. Kiewit continue to install SCR 1 floor and wall panels, and began installing SCR 1 roof panels. Kiewit poured Power Block 2 SCR, CT air inlet and tempering air fan /motor foundations; Power Block 3 tempering air fan/motor foundations and Power Block 4 CT air inlet foundation. Kiewit set generator step-up transformers (GSUs) 1 and 2 on their foundations.

Fuel gas line in all power blocks has been installed (8” and 14”). Kiewit has installed 31% of underground large bore pipe and 85% of underground small bore pipe in all power blocks.

Installation of the construction warehouse is approximately 75% complete.

Kiewit engineering is 81.9% complete. Major activities that are either in progress or complete include: Chief Building Official (CBO) submittals to comply with the Conditions of Certification and the California Building Standards Code; detailed design for switchyard and balance of plant foundations, above ground piping, above ground electrical, switchyard and equipment grounding, and Instrumentation & Controls; vendor shop drawing review and vendor shop surveillance.

Manufacturing of major balance of plant equipment is in progress. Manufacturing of all major balance of plant equipment is in progress. Continuous emissions monitoring systems (CEMS) were delivered to the site.

Siemens continued engineering, procurement and manufacturing process related to gas turbine-generator equipment. Combustion turbines (CTs) 1and 2 were shipped on January 17, 2012. Both CTs are expected to arrive onsite in mid-March. Generator 1 was shipped on January 4 and is expected to arrive onsite in mid-February. All generator step-up (GSU) transformers are onsite. Fuel gas compressors 1and 2 arrived onsite on January 30, 2012.

Mitsubishi continued engineering, procurement and manufacturing process related to SCR / Ammonia Systems. Kiewit continued to receive SCR 1 wall panels, floor panels, roof panels, and stack sections. Delivery of SCR 2 base plates and stack rings started in January.

In accordance with Condition of Certification BIO-2, On September 12, 2011 the DB submitted a request to reduce biological monitoring to biweekly inspections; CEC approved this request on September 26. Summary of biological resources monitoring activities for January 2012, including monitoring logs, is provided in the separate Biological Resources Report Subsections 2.04/2.06. On January 31, DB submitted the names and resumes for additional biological resource monitors for CEC approval.

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

In accordance with Condition of Certification BIO-7, there was no nesting activity at MLGS during the month of January. On November 8, the DB submitted a proposal to remove inactive cliff swallow and black phoebe nests from culverts. CEC approved the nest removal on November 16. The nests were removed on November 30 and installation of the exclusion measures began in late January and will be completed in February.

In accordance with Condition of Certification CUL-1, GenOn submitted request on November 10 to add Karin Beck as Alternate CRS; CEC approval had not been received as of December 30.

In accordance with Condition of Certification CUL-6, monitoring of ground-disturbing construction activities continued during January. Daily reports were emailed to CEC stating that no cultural resources over 50 years of age were discovered in January.

A report on the analysis of the October 24, 2011 discovery was submitted to CEC on November 18, 2011. As a result of the analysis, the CRS recommended prescribed treatment for this discovery as well. The CRS met with CEC staff on January 13 to discuss this finding. On January 30, the CRS requested CEC concurrence with this recommendation.

On December 10, 2011 the CRS notified the CEC that eight ceramic sherds representing one salt glazed crock were discovered during trenching. The CRS recommended that the find was eligible for prescribed treatment under Section 6.7.2.2 of the CRMMP. On December 21, 2011, CEC concurred with the determination and allowed construction to resume in the area. For additional details see the Cultural Resources Report. CEC staff also requested additional analysis of the find and more detailed information regarding construction and excavation activities at the site. The CRS met with CEC staff on January 13 to discuss this finding. On January 30, the CRS

submitted a response with additional information and requested concurrence from CEC with this recommendation.

A summary of cultural resources monitoring activities for January 2012 is provided in the separate Cultural Resources Report Subsection 2.12.

In accordance with CUL-7, Awaiting concurrence from the CEC regarding the treatment of the glass fragment identified on October 24. The non-diagnostic isolated artifact identified on November 16 was recorded on the DPR form included with the November MCR.

Paleontological monitoring and testing of spoils from borings continued during January 2012. Identifiable vertebrate fossils have been identified in samples recovered during pile augering. Summary of paleo resources monitoring activities for January 2012, including monitoring logs, is provided in the separate Paleontological Resources Report Subsection 2.24

Worker Environmental Awareness Program (WEAP) training sessions began in February, 2011. During the month of January, 132 people completed the training. All WEAP training sessions completed in December were completed via the approved WEAP training video. As of the end of December, a total of 418 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		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	Statement certifying that the CIVIL-1 documents have been approved by the CBO	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	NA for this reporting period	2.17
GEN-6	Copy of all CBO approvals of qualifications of special inspectors	NA	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		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.	Copy of transmittal letters	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	Notifications	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	NA for reporting period	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.	NA	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
TSE-5		Copy of CBO approval of TSE-5 package	2.34
NA	NA this period	NA	2.35
MECH-3		Copy of proof of submission of Calcs, plans, and specs to the CBO,	2.36

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.

   Jan. 3, 2012 Foggy mornings are keeping dust to a minimum. Water truck is active.

   Jan. 4, 2012 No visible dust. Water Truck active.

   Jan. 5, 2012 No noticeable dust. Water truck active.

   Jan. 6, 2012 Site fairly damp from morning to afternoon. No dust present.

   Jan. 9, 2012 Site and roads are well maintained minimizing any dust. Water truck active.

   Jan 10, 2012 No dust was observed over multiple reviews of the site.

   Jan. 11, 2012 Dust is not visible. Water truck is active.

   Jan. 12, 2012 Water truck is active and very effective at eliminating dust under the present atmospheric conditions.

   Jan. 13, 2012 With cool weather and the water truck the site dust control is excellent. No dust.

   Jan. 17, 2012 Dry but cool. Water truck is keeping the dust on the ground instead of in the air.

   Jan. 18, 2012 Cool conditions. Moist Soil from water truck. No Dust.

   Jan. 19, 2012 Cold and damp. Precipitation in the afternoon.

Jan. 20, 2012 Precipitation.

Jan. 23, 2012 Precipitation.

Jan. 24, 2012 No dust. Quite a bit of waterlogged soil.

Jan. 25, 2012 No dust observed. Mostly soggy soil.

Jan. 26, 2012 The site is free of dust.

Jan. 27, 2012 The site is fairly damp. The water truck is active.

Jan. 30, 2012 Water truck active. Site retains moisture for a lengthy period. No Dust observed.

Jan. 31,, 2012 Site damp. No Dust.

(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.

Jan. 3, 2012 – Vehicles observed were following the speed limits.

Jan. 4, 2012 - No vehicles were exceeding the speed limits.

Jan. 5, 2012 Vehicles all within the limits.

Jan. 6, 2012 Vehicles were all compliant with posted limits.

Jan. 9, 2012 Vehicles all followed the prescribed speed limit.

Jan. 10, 2012 There were no vehicles observed in excess of the posted limits.

Jan. 11, 2012 All vehicles were observant and slow.

Jan 12, 2012 All vehicles were following the mandated speed limit. They were slow and cautious.

Jan. 13, 2012 Vehicles were maintaining posted speeds or below and all were aware of their surroundings.

Jan. 17, 2012 No vehicles were observed in excess of posted limits.

Jan. 18, 2012 Vehicles were well within required speed limits.

Jan. 19, 2012 All vehicles observed were following posted speed limits.

Jan. 20, 2012 Vehicles were slow and observant.

Jan. 23, 2012 All vehicles observed were compliant with the speed limits.

Jan.24, 2012 Vehicles were courteous and slow.

Jan. 25, 2012 All drivers were slow and made good eye contact as well as signaling acknowledgment of pedestrians.

Jan. 26, 2012 All vehicles were following prescribed speed limits.

Jan. 27, 2012 All vehicles were slow, observant, and following appropriate protocol.

Jan. 30, 2012 All vehicles were within the limits.

Jan. 31, 2012 Vehicles were a bit faster today, but still within the COC limits.

(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.

Jan. 6, 2012 – Water Tire washing station present and available on the exit road.

Jan 12, 2012 – Water Tire washing station was available on the exit road.

Jan 18, 2012 – Tire wash station provided and available on the exit road.

Jan. 25, 2012 – Tire wash station available on the exit road with appropriate sign.

2. (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.

Jan. 6, 2012 - Tire cleaning ramps are in place and exceed the minimum length.

Jan. 18, 2012 – Tire cleaning ramps are in place for mechanical agitation of all tires leaving the construction site.

Jan. 25, 2012 – Tire cleaning ramps are in place where vehicles cannot skirt them. They are at least 20% longer than required and in good working condition.

3. (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.

   January 2012 - All exits between the construction site and public roadways are paved.

4. (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.

   Jan 6, 2012 – Fencing and barriers control traffic from entering or exiting the construction site except through graveled and/or treated entrance roadways.

   Jan. 12, 2012 Traffic is controlled very effectively with the use of Fencing and Barriers.

   Jan., 18, 2012 Fencing and concrete barricades have been very effective and influencing the movement of traffic on the site.

   Jan. 26, 2012 The fencing and barrier provided to direct traffic are in place and highly effective in directing traffic and traffic patterns.

5. (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.

   Jan. 6, 2012 – SWPPP measures around the roadways are in excellent condition. Repairs as needed are done in a timely manner.

   Jan. 12, 2012 SWPP measure on the roadway are in place and in good condition.

   Jan. 18, 2012 – SWPP measures adjacent to all paved roadways have been reviewed and are in great shape.

   Jan. 26, 2012 – All SWPP measures adjacent to paved roads are sturdy and in good conditions.

6. (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.

7. (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.

   Jan. 3, 2012 – No tracking observed onto public streets.

   Jan. 4, 2012 – No Tracking visible.

   Jan. 5, 2012 Roadway is clear of tracking.

   Jan. 6, 2012 Very slight tracking was observed. Measures will be implemented.

   Jan. 9, 2012 Tracking is not observable at the public street.

   Jan. 10, 2012 There is no tracking visible from the construction site to the public road.

   Jan. 11, 2012 Observation indicates no tracking from the project to the public roadway.

   Jan. 12, 2012 No tracking observed onto public streets.

   Jan. 13, 2012 Access road to public roadways show no signs of tracking.

   Jan. 17, 2012 Public street is free of any signs of tracking.

   Jan. 18, 2012 There is no tracking from the site onto the public street.

   Jan. 19, 2012 There is no observable dirt or tracking from the construction site.

   Jan. 20, 2012 Tracking was not visible onto public streets.

   Jan. 23, 2012 No tracking was observed. Conditions are generally quite wet.

   Jan. 24, 2012 Tracking is not visible on public street.

   Jan. 25, 2012 Some signs of tracking onto the public street.

   Jan. 26, 2012 There is light tracking onto the public street. The construction contractor was notified and within 1 hour the road had been washed/swept and was in better condition.

   Jan 27, 2012 No significant tracking.. mostly a bit stained.

   Jan. 30, 2012 Slight tracking. No visible individual pieces of dirt.

Jan. 31, 2012 No visible tracking onto public streets.

(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.

Jan. 6, 2012 All inactive stock piles are covered.

Jan. 18, 2012 Stock piles are tarped and/or otherwise covered.

Jan. 25, 2012 Stock piles are covered and tarped as needed.

8. (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.

9. (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.

One or two watering trucks.

Tarps on stock piles

Some use of Dust Suppressant compounds

Sweeper Brush Clean up of paved roads.

Kiewit

MARSH LANDING

Water Truck Log

Date: 1-30-12

Start Time: 7:00 A Meter Reading: Tank fill

End Time: 5:30 P Meter Reading: Tank fill

Total Gallons: _____

Total Loads 10

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

2. Craft Parking Area: 1 times

3. Laydown area: 2 times

4. Work Area: Grading _____ times

5. Work Area: 3, Stock 11 times

6. Wilbur Ave Access: 2 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 1-30-12

Start Time: 7:00 A Meter Reading: Tank fill

End Time: 5:30 P Meter Reading: Tank fill

Total Gallons: _____

7 Loads 10

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

2. Craft Parking Area: 1 times

3. Laydown area: 3 times

4. Work Area: Grading _____ times

5. Work Area: 5, Stock 9 times

6. Wilbur Ave Access: 3 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 1-28-12

Start Time: 7:00 A Meter Reading: Tank fill

End Time: 3:30 P Meter Reading: Tank fill

Total Gallons:

Total Loads 7

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

2. Craft Parking Area: _____ times

3. Laydown area: 4 times

4. Work Area: Grading _____ times

5. Work Area: 5, 7 times

6. Wilbur Ave Access: 2 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 1-27-12

Start Time: 7:00 A Meter Reading: Tank fill

End Time: 5:30 P Meter Reading: Tank fill

Total Gallons:

Total Loads 10

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

2. Craft Parking Area: 2 times

3. Laydown area: 3 times

4. Work Area: Grading _____ times

5. Work Area: 6, Stock 9 times

6. Wilbur Ave Access: 3 times

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Kiewit

MARSH LANDING

Water Truck Log

Date: 1-26-12

Start Time: 7:00 A Meter Reading: Tank fill

End Time: Meter Reading: Tank fill

Total Gallons:

Total Loads 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: 1, Stock 7 times

6. Wilbur Ave Access: 4 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 1-25-12

Start Time: 7:00 A Meter Reading: Tank Fill

End Time: 5: P Meter Reading: Tank Fill

Total Gallons: _____

Total Loads 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: 1, Stock 9 times

6. Wilbur Ave Access: 4 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 1-24-12

Start Time: 7:00 A Meter Reading: Tank fill

End Time: 5:30 P Meter Reading: Tank fill

Total Gallons: _____

Total Loads 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: 1, Stock 8 times

6. Wilbur Ave Access: 3 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 1-20-12

Start Time: 7:00 A Meter Reading: Tank fill

End Time: 11:00 A Meter Reading: Tank fill

Total Gallons: _____

Total Loads 1

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: 2, _____ times

6. Wilbur Ave Access: _____ times

Kiewit

MARSH LANDING

Water Truck Log

Date: 1-19-12

Start Time: 7:00 A Meter Reading: Tank fill

End Time: 4:30 Meter Reading: Tank fill

Total Gallons: _____

Total Loads 10

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

2. Craft Parking Area: 1 times

3. Laydown area: 2 times

4. Work Area: Grading _____ times

5. Work Area: 5, 12 times

6. Wilbur Ave Access: 1 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 1-18-12

Start Time: 7:00 A Meter Reading: Tank Fill

End Time: 5:30 P Meter Reading: Tank Fill

Total Gallons: _____

Total Loads 10

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

2. Craft Parking Area: 2 times

3. Laydown area: 3 times

4. Work Area: Grading _____ times

5. Work Area: 5, 8 times

6. Wilbur Ave Access: 1 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 1-17-12

Start Time: 7:00 A Meter Reading: Tank fill

End Time: 5:30 P Meter Reading: Tank fill

Total Gallons: _____

Total Loads _____

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

2. Craft Parking Area: 2 times

3. Laydown area: 3 times

4. Work Area: Grading _____ times

5. Work Area: 5, Stock 7 times

6. Wilbur Ave Access: 2 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 1-14-12

Start Time: 7:00 A Meter Reading: Tank fill

End Time: 3:30 P Meter Reading: Tank fill

Total Gallons: _____

Total Loads 9

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

2. Craft Parking Area: 1 times

3. Laydown area: 2 times

4. Work Area: Grading _____ times

5. Work Area: 4, Stock 6 times

6. Wilbur Ave Access: _____ times

Kiewit

MARSH LANDING

Water Truck Log

Date: 1-13-12

Start Time: 7:00 A Meter Reading: Tank Fill

End Time: 5:00 P Meter Reading: Tank Fill

Total Gallons: _____

Total Loads 12

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

2. Craft Parking Area: 2 times

3. Laydown area: 4 times

4. Work Area: Grading _____ times

5. Work Area: 4, fill dirt 11 times

6. Wilbur Ave Access: 2 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 1-12-12

Start Time: 7:00 A Meter Reading: Tank Fill

End Time: 6:30 P Meter Reading: Tank Fill

Total Gallons: _____

Total Loads 19

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

2. Craft Parking Area: 2 times

3. Laydown area: 3 times

4. Work Area: Grading _____ times

5. Work Area: 7 fill, 12 times

6. Wilbur Ave Access: 4 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 1-11-12

Start Time: 7:00 A Meter Reading: Tank fill

End Time: 5:30 P Meter Reading: Tank fill

Total Gallons: _____

Total Loads 12

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

2. Craft Parking Area: 2 times

3. Laydown area: 3 times

4. Work Area: Grading _____ times

5. Work Area: 5, fill 6 times

6. Wilbur Ave Access: 2 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 1-10-12

Start Time: 7:00 A Meter Reading: Tank fill

End Time: 5:00 P Meter Reading: Tank fill

Total Gallons: _____

Total Loads 11

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

2. Craft Parking Area: 2 times

3. Laydown area: 3 times

4. Work Area: Grading _____ times

5. Work Area: 6, Stock 9 times

6. Wilbur Ave Access: 3 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 1-9-12

Start Time: 7:00 A Meter Reading: Tank Fill

End Time: 5:00 P Meter Reading: Tank Fill

Total Gallons:

Total Loads 17

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

2. Craft Parking Area: 2 times

3. Laydown area: 3 times

4. Work Area: Grading _____ times

5. Work Area: 5, Stock 7 times

6. Wilbur Ave Access: 4 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 1-7-12

Start Time: 7:00 A Meter Reading: Tank Fill / 8912 4

End Time: 4:00 P Meter Reading: 8932 8

Total Gallons:

Total Loads / Tank 8 17 Total
meter 9

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

2. Craft Parking Area: 3 times

3. Laydown area: 4 times

4. Work Area: Grading _____ times

5. Work Area: 9, Fill 5 times

6. Wilbur Ave Access: _____ times

Kiewit

MARSH LANDING

Water Truck Log

Date: 1-6-12

Start Time: 7:00 A Meter Reading: Tank fill

End Time: 5:00 P Meter Reading: Tank fill

Total Gallons: _____

Total Loads 8

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

2. Craft Parking Area: 1 times

3. Laydown area: 3 times

4. Work Area: Grading _____ times

5. Work Area: 4, fill 6 times

6. Wilbur Ave Access: 3 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 1-5-12

Start Time: 7:00 A Meter Reading: Tank fill

End Time: 5:00 P Meter Reading: Tank fill

Total Gallons: _____

Total Loads 10

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

2. Craft Parking Area: _____ times

3. Laydown area: 3 times

4. Work Area: Grading _____ times

5. Work Area: 5, Fill 8 times

6. Wilbur Ave Access: 3 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 1-4-12

Start Time: 7:00 A Meter Reading: Fill at Tank

End Time: 5:00 P Meter Reading: Fill at Tank

Total Gallons: _____

Total Loads 9

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

2. Craft Parking Area: 1 times

3. Laydown area: 3 times

4. Work Area: Grading _____ times

5. Work Area: 5, Fill/6 times

6. Wilbur Ave Access: 2 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 1-3-12

Start Time: 7:00 A Meter Reading: fill at Tank

End Time: 5:00 P Meter Reading: fill at Tank

Total Gallons: _____

Total Loads 11

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

2. Craft Parking Area: 2 times

3. Laydown area: 3 times

4. Work Area: Grading _____ times

5. Work Area: 3, Fill - 6 times

6. Wilbur Ave Access: 2 times

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	12/8/2011
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
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

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
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	9/16/2011
4/7/2011	4-3276	Back Trailer					X			PKS	X	180	12/1/2011
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	1082	Pettibone 304A	Super 30 Model 304A	7CEXL050AAE	ML8T58			3	(BJ)	Foundation Inc	X	90	12/1/2011
6/1/2011	1049	Crane	Manitowoc 4000	9CEXL00661AAF	EW9F88			3	(BI)	Foundation Inc	X	300	
6/8/2011	6104	6104 HPSI Power Pack	JSC03174	7CPXL08.8ESK	141362			3	(BK)	Foundation Inc	X	90	1/1/2012
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

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
6/14/2011	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	9/1/2011
7/8/2011		Manlift			DVSF74	X				United Rental		5	7/10/2011
7/8/2011	1005	Crane			MT6B87			3	(BP)	Foundation Inc	X	60	12/1/2011
7/8/2011	6017	Power Pack						3	(BQ)	Foundation Inc	X	60	12/1/2011
7/8/2011		Steam Cleaner					X			PKS		700	
7/12/2011	11-9904	Rollar CAT CS56	NM2895	AOJXK06.6PJ2				3	(BS)	Cresco	X	30	8/15/2011
7/12/2011	10-9903	CAT 314D Excavator	CRS16763	BMVXL04.2CCC	RY7G54			3	(BT)	HOLT	X	30	8/15/2011
7/12/2011	1068	Pettibone	Super 30 Forklift	9CEXLO505AAE	LP8G94			3	(BR)	Foundation Inc	X	90	
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		270	
7/25/2011	22-940	Generator	609-815340		N/A		X			United Rental		45	9/12/2011
8/2/2011	1196536	Extended Fork Lift		BJDXL06.8117	XV7L67			3	(BU)	United Rental	X	60	10/2/2011
8/5/2011		Excavator				X						5	8/10/2011
8/5/2011	1125638	Bobcat Fork Lift			DB5M34		X			United Rental		60	10/2/2011
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	9/9/2011
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	
9/7/2011	37-9902	Skid Steer		AKBXL03.3CAD	GV9B54			4I	(BY)	UR	X	30	9/19/2011
9/7/2011	37-9901	Skid Steer		AKBL02.6EAD	RN6C98			4I	(BZ)	UR	X	30	9/19/2011
9/7/2011	37-2141	Loader	Volvo L110E	6DZXL07.1053	PV4B63			3	(BW)	PKS	X	365	
9/7/2011	10-3093	Excavator	CAT 345E	BCPXL12.5HPA	NR5E45			3	(BX)	PKS	X	365	
9/7/2011	10-9478	Excavator	Volvo	ADZXL04.1076	MN7V55			3	(CA)	PKS	X	365	
9/13/2011	15-3301	Crane	GR-750Xl	AMFTL07.5M6A	JY8J98			3	(CB)	PKS	X	560	
9/13/2011	6-9905	Skip Loader	570 MXT	BNHXL04.5DTD	RF4G57			3	(CD)	United Rental	X	21	10/13/2011
9/14/2011	48-0839	Xtreme Forklift	XR1255	BPKXL04.4NJ1	LA4N78			3	(CC)	PKS	X	560	

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
9/19/2011	10-9904	Excavator	NM28969	AMVXL02.5FFF	GR3G47			4I	(CE)	Cresco	X	90	1/19/2012
9/19/2011	6.00	Skip Loader	JD210LJ	AJDXL06.8106	M58V33			3	(CF)	PKS	X	560	
9/21/2011	10-3094	Excavator	CAT 314D	BMVXL04.2CCC	HH6D79			3	(CG)	PKS	X	560	
9/21/2011	No. 412	Fusion Machine	McElroy				X			PKS		560	
9/23/2011	11-9905	Roller	BW177D-40	8CEXL03.3ACC	XR7T55			3	(CH)	United Rental	X	560	10/18/2011
10/3/2011	22-9911	Whisper Watt	DCA-25US1	ISUZU AA-4-E2	N/A		X			United Rental		60	10/18/2011
10/3/2011	22-5736	MGTPower	DCA-25SS1U3	ISUZU 4LE2	N/A		X			PKS		180	
10/6/2011	10-9908	Miller Welder	Big Blue 300D		N/A		X			United Rental		30	9/7/2011
10/10/2011	1012349	Miller Welder	Big Blue 300D		N/a		X			United Rental		30	10/18/2011
10/10/2011	10-9905	Excavator	Kamatsu 308	AKLXL0409AAB	LV3N35			3	(CI)	PKS	X	240	
10/14/2011	11-9906	CAT PAD Drum Roller	CS44	BPKXL04.4NH1				3	(CJ)	PKS	X	240	
10/18/2011	22-5644	Diesel Light Standard			N/A		X			PKS		560	
10/18/2011	22-5632	Diesel Light Standard			N/A		X			PKS		560	
10/18/2011	22-5630	Diesel Light Standard			N/A		X			PKS		560	
10/18/2011	22-5673	Diesel Light Standard			N/A		X			PKS		560	
10/28/2011	10-9906	Excavator	CAT349E	BCPXL12.5HPA	XF3E55			4A	(CK)	HOLT	X	30	11/28/2011
10/28/2011	036-32	Generator	WhisperWatt 45	BSZXL03.OUTB	N/A			4I	(CL)	CD POWER	X	180	
11/17/2011	42-1253	Manlift	SkyPower	8DZXL03.1041	KE3L39		X	4I	(CN)	PKS	X	530	
11/18/2011	1232255	Diesel Light Standard			N/A		X			United Rental		530	
11/18/2011	10000123	Diesel Light Standard			N/A		X			United Rental		530	
11/18/2011	1072491	Diesel Light Standard			N/A		X			United Rental		530	
11/20/2011	15-3142	Crane	Liebherr LF-1280	8LHAL24.2VCE	TH9B39			3	(CM)	PKS	X	540	
11/22/2011	22-5739	MG Diesel Generator	7110879	Isuzu 4LE2	N/A		X			PKS		180	
11/30/2011	15-3314	Crane	GR1000XL	AMFTL07.5M6A	UR4T38				(CO)	PKS	X	520	
11/30/2011	52-9904	Fusion Machine					X			PKS		90	1/1/2012
12/9/2011		Diesel Light Standard	WANCO		N/A		X			PKS		360	
12/9/2011		Diesel Light Standard	WANCO		N/A		X			PKS		360	
12/9/2011	48-9903	Forklift	XR1254	9PKXL04.4RJ3	XF4G84			3	(CP)	AHREN	X	210	
12/9/2011	10-9907	Excavator	305.5D	AMVXL02.5FFF	XN8Y48			4I	(CQ)	CRESCO		60	
12/16/2011	816418	Generator	MQ Power	DCA255SIUZ	N/A		X			United Rental		30	
12/16/2011	1006978	Light Plant	Magnum		N/A		X			United Rental		30	
12/16/2011	1016960	Light Plant	Magnum		N/A		X			United Rental		30	
12/16/2011	1023597	Light Plant	Magnum		N/A		X			United Rental		30	

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
12/16/2011	637-1002087	Light Plant	Magnum		N/A		X			United Rental		30	
12/16/2011	1083680	Light Plant	Magnum		N/A		X			United Rental		30	
12/16/2011	10000119	Light Plant	Magnum		N/A		X			United Rental		30	
12/16/2011	5491084915	Light Plant	Magnum		N/A		X			United Rental		30	
12/16/2011	1125738	Light Plant	Magnum		N/A		X			United Rental		30	
12/16/2011	1071669	Light Plant	Magnum		N/A		X			United Rental		30	
12/16/2011	1130701	Light Plant	Magnum		N/A		X			United Rental		30	
12/27/2011	440224	Crane	Manitowoc 16000	7CEXL015.AAE	TV3X64			3	(CR)	Bigge	X	240	
12/27/2011	XR3034	Forklift	XRM3034	BPKXL04.4NJ1	YR6L76			3	(CS)	Kiewit	X	475	
1/9/2012	42-9903	Boomlift	1350SJP	8DZXL03.6082	TW8X39			4I	(CT)	United Rental	X	365	
1/9/2012	42-9904	Boomlift	1350SJP	8DZXL03.6082	TW8X39			4I	(CU)	United Rental	X	365	
1/12/2012		Forklift				X				Bigge		5	1/17/2012
1/12/2012	10-NEW305.5	Excavator		BMVXL02.5EEE				4I	(CV)	Kiewit	X	450	
1/12/2012	22-9928	Generator		BSZXL05.21XB	N/A			3	(CW)	United Rental	X	60	
1/12/2012	42-Building	Manlift		BDZXL03.1041	KU7J57		X	(4I)				60	
1/18/2012	22-9929	Light Plant	Magnum		N/a		X					180	
1/18/2012	22-9930	Light Plant	Magnum		N/a		X					180	
1/18/2012	22-9931	Light Plant	Magnum		N/a		X					180	
1/18/2012	22-9932	Light Plant	Magnum		N/a		X					180	
1/18/2012	22-9933	Light Plant	Magnum		N/a		X					180	
1/18/2012	22-9934	Light Plant	Magnum		N/a		X					180	
1/18/2012	22-9936	Light Plant	Magnum		N/a		X					180	
1/18/2012	22-9937	Light Plant	Magnum		N/a		X					180	
1/18/2012	22-9938	Light Plant	Magnum		N/a		X					180	
1/18/2012	22-9939	Light Plant	Magnum		N/a		X					180	
1/18/2012	22-9940	Light Plant	Magnum		N/a		X					180	
1/18/2012	22-9941	Light Plant	Magnum		N/a		X					180	
1/18/2012	22-9942	Light Plant	Magnum		N/a		X					180	
1/18/2012	22-9943	Light Plant	Magnum		N/a		X					180	
1/18/2012	06-9907	Light Plant	Magnum		N/a		X					180	
1/18/2012		Welding Machine			N/a		X			United Rental		120	
1/18/2012		Welding Machine			N/a		X			United Rental		120	
1/18/2012		Lincoln Welder	Vantage 500		N/a		X			Kiewit		365	

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
1/18/2012	6-9907	Backhoe			TN6K74	X				United Rental		5	1/23/2012
1/18/2012	15-3326	Crane	Tadono GR-750	AMFTL07.5M6A		X		3	(CX)	Kiewit	X	360	
1/18/2012		Air Compressor	P-185		N/a		X			Kiewit		180	
1/20/2012		Excavator	Zaxis 350LcH		RM5K77	X				Mecom		5	1/25/2012
1/23/2012	3-9904	Truck	326805	BCEXL0409AAC				3	(CY)	Mid-Pacific		440	
1/27/2012	21-9902	Light Plant	Magnum		N/A		X					180	
1/27/2012	20-9901	Sullair Air Compressor	Unit #1011074	7PKXL04.4NJ1	N/A			3	(CZ)	United Rental	X	180	
1/27/2012	42-9905	Manlift	SkyPower 350JP	ADZXL03.6082	E15T49			3	(DA)	United Rental	X	365	

(CT)

United Rentals

January 09, 2012

42-9903

Unit # 1069180 JLG 135ft boomlift 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

42-9903 (CT)

California Environmental Protection Agency AIR RESOURCES BOARD	DEUTZ AG	EXECUTIVE ORDER U-R-013-0231 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)
2008	8DZXL03.6082	3.619	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Direct Diesel Injection, Turbocharger, Electronic Control Module, Smoke Puff Limiter, Exhaust Gas Recirculation	Loader, Tractor, Dozer, Pump, Compressor, Other 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
37 ≤ kW < 56	Tier 4 interim	STD	N/A	N/A	4.7	5.0	0.30	20	15	50
		CERT	--	--	4.6	1.4	0.17	3	2	5

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 22nd day of February 2008.

J. Lourenco
for Annette Hebert, Chief
Mobile Source Operations Division

DEUTZ AG
Nonroad CI

U-R-013-0231 2.02 AQ-SC5

Attachment p.1 of 4

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
ZXL03.6082	C3UI54	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8 ECM SPL	DDI, TC, EGR
ZXL03.6082	C3UI52	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI51A	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI54,7	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI53,7	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI51,3	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI49,4	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI52A	D3,6DCCE3	69.7@2300	59	30.2	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI55	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI52	TD2011L04	69.7@2400	59	30.9	250@1600	65	23.1	DDI, TC, EGR
ZXL03.6082	C3UI54H	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI54J	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI54L	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI54N	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI54P	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI54R	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI54S	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI54T	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI54U	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI54Q	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI52H	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI52J	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI52L	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI52N	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI52P	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI52R	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI52S	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR

DEUTZ AG
Nonroad CI

Attachment p. 2 of 4

U-R-2013-0231

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
ZXL03.6082	C3UI52T	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8 ECM SOL	DDI, TC, EGR
ZXL03.6082	C3UI52U	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI52Q	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI51H	TD2011L04i	68.8@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI51J	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI51L	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI51N	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI51P	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI51R	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI51S	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI51T	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI51U	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI51Q	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI54HA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI54JA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI54LA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI54NA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI54PA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI54RA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI54SA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI54TA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI54UA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI54QA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI53H	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI53J	TD2011L04i	72.0@200	59	33.3	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI53L	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI53N	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR

DEUTZ AG
Nonroad CI

Attachment p. 3 of 4

V-R-013-0231

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
ZXL03.6082	C3UI53P	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0 ECM SPL	DDI, TC, EGR
ZXL03.6082	C3UI53R	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI53S	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI53T	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI53U	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI53Q	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI51HA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI51JA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI51LA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI51NA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI51PA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI51RA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI51SA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI51TA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI51UA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI51QA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI49H	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI49J	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI49L	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI49N	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI49P	TD2011L04i 49	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI49R	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI49S	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI49T	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI49U	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI49Q	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR
ZXL03.6082	C3UI55H	TD2011L04i	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR

DEUTZ AG
Nonroad C1

Attachment p 4 of 4

V-R-013-0251

2.02 AQ-SC5

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
ZXL03.6082	C3UI55J	TD2011L04I	55 73.8@2400	60	32.0	240@1600	64	22.8 ECM SP2	DDI, TC, EGR
ZXL03.6082	C3UI55L	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI55N	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI55P	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI55R	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI55S	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI55T	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI55U	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI55Q	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI52V	D3,6DCCE3	69.7@2300	59	30.2	240@1600	64	22.8	DDI, TC, EGR
ZXL03.6082	C3UI52P	TD2011L04	69.7@2300	59	30.9	250@1600	65	23.1	DDI, TC, EGR
ZXL03.6082	C3UI55H	TD2011L04	75.0@2600	58	31.5	250@1600	65	23.1	DDI, TC, EGR

(CU)

United Rentals

January 09, 2012

Unit # 1201357 JLG 135ft boomlift 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

42-9904 (CU)

California Environmental Protection Agency AIR RESOURCES BOARD	DEUTZ AG	EXECUTIVE ORDER U-R-013-0357 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)
2010	ADZXL03.6082	3.619	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Mechanical Direct Injection, Electronic Control Module, Turbocharger, Smoke Puff Limiter, Exhaust Gas Recirculation	Loaders, Tractor, Dozer, Pump, Compressor, Other 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
37 ≤ kW < 56	Tier 4 Interim	STD	N/A	N/A	4.7	5.0	0.30	20	15	50
		CERT	--	--	4.6	1.6	0.17	3	2	5

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 29 day of January 2010.

Annette Hebert

Annette Hebert, Chief
Mobile Source Operations Division

Deutz AG

Nonroad CI

Engine Model Summary Template

Attachment page 1 of 4

EO# U-R-013-0357

1/20/2010

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
ADZXL03.6082	C3UI54	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC SPL
ADZXL03.6082	C3UI52	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51A	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54,7	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI53,7	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51,3	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI49,4	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI52A	D3,6DCCE3	69.7@2300	59	30.2	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI55	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI52	TD2011L04	69.7@2400	59	30.9	250@1600	65	23.1	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54H	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54J	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54L	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54N	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54P	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54R	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54S	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54T	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54U	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54Q	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI52H	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI52J	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI52L	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI52N	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI52P	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI52R	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR, EC

Deutz AG

Nonroad CI

Engine Model Summary Template

EC# U-R-013-0357

Attachment page 2 of 4

1/20/2010

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
ADZXL03.6082	C3UI52S	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR, EC SPL
ADZXL03.6082	C3UI52T	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI52U	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI52Q	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51H	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51J	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51L	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51N	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51P	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51R	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51S	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51T	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51U	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51Q	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54HA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54JA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54LA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54NA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54PA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54RA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54SA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54TA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54UA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54QA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI53H	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI53J	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR, EC

Deutz AG

Nonroad CI

EC # U-R-013-0357

Engine Model Summary Template

Attachment page 3 of 4

1/20/2010

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
ADZXL03.6082	C3UI53L	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR, EC SPL
ADZXL03.6082	C3UI53N	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI53P	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI53R	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI53S	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI53T	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI53U	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI53Q	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51HA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51JA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51LA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51NA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51PA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51RA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51SA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51TA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51UA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51QA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI49H	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI49J	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI49L	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI49N	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI49P	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI49R	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI49S	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI49T	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR, EC

Deutz AG
Nonroad CI

EO# U-R-013-0357

Engine Model Summary Template

Attachment page 4 of 4

1/20/2010

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
ADZXL03.6082	C3UI49U	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR, EC SpL
ADZXL03.6082	C3UI49Q	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI55H	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI55J	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI55L	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI55N	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI55P	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI55R	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI55S	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI55T	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI55U	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI55Q	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI52V	D3,6DCCE3	69.7@2300	59	30.2	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI52P	TD2011L04	69.7@2300	59	30.9	250@1600	65	23.1	DDI, TC, EGR, EC
ADZXL03.6082	C3UI55H	TD2011L04	75.0@2600	58	31.5	250@1600	65	23.1	DDI, TC, EGR, EC

(CV)

Kiewit

Marsh Landing Generating Station

Date:1/11/12

10-New Cat 305.5 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

430

10-New 305

Excavato

California Environmental Protection Agency AIR RESOURCES BOARD	MITSUBISHI HEAVY INDUSTRIES, LTD.	EXECUTIVE ORDER U-R-035-0327 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)
2011	BMVXL02.5EEE	1.9, 2.5	Diesel	5000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Indirect Diesel Injection	Generator and Other 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
19 ≤ KW < 37	Tier 4 Interim	STD	N/A	N/A	7.5	5.5	0.30	20	15	50
		CERT	--	--	5.7	1.2	0.27	4	3	6

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 27 day of April 2011.

Annette Hebert, Chief
Mobile Source Operations Division

(cw)

United Rentals

January 12, 2012

Unit # 1213664 Generator 125kw 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

22-9928 EDN Gaccoor 60 Days (CW)

California Environmental Protection Agency AIR RESOURCES BOARD	ISUZU MOTORS LIMITED	EXECUTIVE ORDER U-R-006-0351 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	BSZXL05.2IXB	5.2	Diesel	8,000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Electronic Direct Injection, Turbocharger, Charge Air Cooler, Electronic Control Module, Exhaust Gas Recirculation	Generator Set

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
75 ≤ kW < 130	Tier 3	STD	N/A	N/A	4.0	5.0	0.30	N/A	N/A	N/A
		CERT	--	--	2.6	1.1	0.17	--	--	--

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 1 day of October 2010.

Annette Hebert

Annette Hebert, Chief
Mobile Source Operations Division

Engine Model Summary Template

ATTACHMENT

U-R-006-0351
9/27/10

2.02 AQ-SC5

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
BSZXL05.2IXB	4HK1XDIBA-01	BI-4HK1X	173.0@1800	154.2@1800	61.7@1800	-	-	-	ECM, TC, CAC, DFI, EGR

GP-750XL
15-3326
Crane

(CX)

Kiewit

Marsh Landing Generating Station

Date: 1/18/12

15-3326 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

15-3326

(CX) 2.02 AQ-SC5

California Environmental Protection Agency AIR RESOURCES BOARD	MITSUBISHI FUSO TRUCK AND BUS CORPORATION	EXECUTIVE ORDER U-R-042-0044 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	AMFTL07.5MGA	7.545	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Direct Diesel Injection, Turbocharger, Charge Air Cooler, Engine Control Module, Exhaust Gas Recirculation	Crane, Forklift, Excavator, Off-Road Vehicle

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	--	--	3.4	0.8	0.11	10	0	21

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 25 day of August 2009.

Annette Hebert, Chief
Mobile Source Operations Division

Engine Model Summary Template

ATTACHMENT 1 OF 1

U-R-042-0044

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 J1938
AMFTL07.5M6A	6M60TLA3A-US10	6M60-TLA3A	252 @ 2150	124	88.9	629 @ 1800	128	76.8	DDI,EM,ECM,EGR,PCV TC,CAC
AMFTL07.5M6A	6M60TLA3B-US10	6M60-TLA3B	267 @ 2600	116	100.5	579 @ 1400	115	53.7	DDI,EM,ECM,EGR,PCV TC,CAC
AMFTL07.5M6A	6M60TLA3C-US10	6M60-TLA3C	215 @ 2100	106	74.2	572 @ 1600	115	61.3	DDI,EM,ECM,EGR,PCV TC,CAC
AMFTL07.5M6A	6M60TLA3D-US10	6M60-TLA3D	195 @ 2100	96	67.2	546 @ 1600	110	58.7	DDI,EM,ECM,EGR,PCV TC,CAC
AMFTL07.5M6A	6M60TLA3E-US10	6M60-TLA3E	173 @ 2100	86	60.2	516 @ 1600	104	55.5	DDI,EM,ECM,EGR,PCV TC,CAC
AMFTL07.5M6A	6M60TLA3T-US10	6M60-TLA3T	148 @ 2100	75	52.5	450 @ 1600	90	48.0	DDI,EM,ECM,EGR,PCV TC,CAC

(CY)

2.02 AQ-SC5

MID~PACIFIC INDUSTRIES, INC.

– SINCE 1970 –

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Hayward, Ca 94545
Phone 510-293-9190
Fax 510-785-1484

E-mail: jrmoir@Mid-pac.com
www.mid-pac.com

Date: January 18, 2012

STK#R308 S/N: 326805 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.

Sharon L. Reeser
Rental Manager
Mid Pacific Industries, Inc.
1500 Case Place
Woodland, CA 95776
Ph# 530-661-6777
Fax# 530-661-9595
Email: sharon.reeser@mid-pac.com

California Environmental Protection Agency AIR RESOURCES BOARD	CUMMINS INC.	EXECUTIVE ORDER U-R-002-0567 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	BCEXL0409AAC	6.7	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Direct Diesel Injection, Turbocharger, Charge Air Cooler, Engine Control Module	Loader, Tractor, Dozer, Pump and Compressor

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
75 ≤ kW < 130	Tier 3	STD	N/A	N/A	4.0	5.0	0.30	20	15	50
		CERT	--	--	3.4	1.8	0.14	6	2	10

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 26 day of October 2010.

Annette Hebert

Annette Hebert, Chief
Mobile Source Operations Division

Attachment EPA-420-R-02-0567

10/6/2010

Engine Model Summary Template

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
BCEXL0409AAC	0426;FR91850	QSB6.7	173@1800	105	64	644@1300	136	59.6	ECM TC CAC DDI
BCEXL0409AAC	0426;FR91436	QSB6.7	173@2200	89	66	590@1400	122	57.5	ECM TC CAC
BCEXL0409AAC	0426;FR91645	QSB6.7	170@2000	94	63.5	485@1500	104	52.6	ECM TC CAC
BCEXL0409AAC	0426;FR91426	QSB6.7	160@2500	85	71.5	540@1500	118	59.5	ECM TC CAC
BCEXL0409AAC	0426;FR91437	QSB6.7	160@2200	83	61.6	540@1400	117	55.2	ECM TC CAC
BCEXL0409AAC	0426;FR91994	QSB6.7	167@2000	77	51.7	548@1500	118	59.6	ECM TC CAC
BCEXL0409AAC	0426;FR91432	QSB6.7	160@2300	83	64.2	540@1500	119	60.3	ECM TC CAC
BCEXL0409AAC	0426;FR91447	QSB6.7	160@1800	103	62.3	540@1300	117	51.3	ECM TC CAC
BCEXL0409AAC	0426;FR92219	QSB6.7	155@2300	80	61.8	448@1500	100	50.4	ECM TC CAC
BCEXL0409AAC	0426;FR92220	QSB6.7	155@2500	77	64.9	449@1500	97	49.3	ECM TC CAC
BCEXL0409AAC	0426;FR92339	QSB6.7	173@2200	89	66	550@1500	120	56.5	ECM TC CAC
BCEXL0409AAC	0426;FR92324	QSB6.7	150@2200	78	57.9	548@1400	119	56.2	ECM TC CAC
BCEXL0409AAC	0426;FR92211	QSB6.7	167@2200	88	65.6	485@1400	104	49.3	ECM TC CAC
BCEXL0409AAC	0426;FR92493	QSB6.7	160@2200	85	63.3	473@1500	97	50.4	ECM TC CAC
BCEXL0409AAC	0426;FR92376	QSB6.7	170@2200	85	63.3	498@1400	107	50.4	ECM TC CAC
BCEXL0409AAC	0427;FR91893	QSB6.7	171@2200	88	65.7	563@1400	113	53.3	ECM TC CAC
BCEXL0409AAC	0427;FR91425	QSB6.7	173@2500	92	77.6	590@1500	132	66.7	ECM TC CAC
BCEXL0409AAC	0427;FR92374	QSB6.7	173@2200	89	66	590@1400	122	57.5	ECM TC CAC
BCEXL0409AAC	0427;FR92375	QSB6.7	160@2200	83	61.6	540@1400	117	55.2	ECM TC CAC
BCEXL0409AAC	0427;FR92124	QSB6.7	173@2100	101	71.4	582@1400	125	59	ECM TC CAC
BCEXL0409AAC	0427;FR92125	QSB6.7	145@2100	85	60.1	492@1400	105	49.7	ECM TC CAC
BCEXL0409AAC	8733;FR91626	QSB6.7	155@2000	85	57.2	455@1500	102	51.4	ECM TC CAC
BCEXL0409AAC	8733;FR91636	QSB6.7	133@2200	71	52.8	430@1450	92	45.1	ECM TC CAC
BCEXL0409AAC	8733;FR91993	QSB6.7	140@2000	80	53.7	463@1400	98	46.5	ECM TC CAC
BCEXL0409AAC	0426;FR92970	QSB6.7	145@2200	93	63	432@1400	93	43.7	ECM TC CAC
BCEXL0409AAC	0426:FR92131	QSB6.7	173@1800	103	64	644@1350	136	59.6	ECM TC CAC

(CZ)

United Rentals

January 25, 2012

Unit # 1011074 Sullair 375cfm Air Compressor 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	PERKINS ENGINES COMPANY LTD.	EXECUTIVE ORDER U-R-022-0092 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)
2007	7PKXL04.4NJ1	4.4	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Direct Diesel Injection, Turbo Charger, Emission Control Module	Cranes, Loaders, Tractor, Dozer, Pump, Compressor, Generator Set

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
75 ≤ kW < 130	Tier 3	STD	N/A	N/A	4.0	5.0	0.3	20	15	50
		CERT	--	--	3.6	1.2	0.2	8	2	14

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 21st day of December 2006.

Raphael Sasonairty
for Annette Hebert, Chief
Mobile Source Operations Division

Engine Model Summary Template

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
7PKXL04.4NJ1	1	3339/2200	144@2200	114.5	55.2	413@1400	131.7	40.4	DDI TAA ECM
7PKXL04.4NJ1	2	2936/2000	145@2000	121.4	53.2	405@1400	125.7	38.6	DDI TAA ECM
7PKXL04.4NJ1	3	2932/2000	118@2000	100.5	44.1	391@1400	121.3	37.2	DDI TAA ECM
7PKXL04.4NJ1	4	2940/2000	137@2000	116.3	51.0	405@1400	126.4	38.8	DDI TAA ECM
7PKXL04.4NJ1	5	2934/2000	107@2000	91.0	40.0	354@1400	112.4	34.5	DDI TAA ECM
7PKXL04.4NJ1	6	3028/2200	142@2200	112.6	54.3	410@1400	127.4	39.1	DDI TAA ECM
7PKXL04.4NJ1	7	2894/2200	140@2200	130.0	62.7	405@1400	154.0	47.3	DDI TAA ECM
7PKXL04.4NJ1	8	3032/2200	137@2200	109.0	52.6	395@1400	122.8	37.7	DDI TAA ECM
7PKXL04.4NJ1	9	2908/2200	134@2200	109.0	52.6	391@1400	122.8	37.7	DDI TAA ECM
7PKXL04.4NJ1	10	3026/2200	129@2200	104.4	50.3	381@1400	118.4	36.3	DDI TAA ECM
7PKXL04.4NJ1	11	2900/2200	127@2200	104.4	50.3	376@1400	118.4	36.3	DDI TAA ECM
7PKXL04.4NJ1	12	3020/2200	125@2200	100.5	48.5	366@1400	114.7	35.2	DDI TAA ECM
7PKXL04.4NJ1	13	2898/2200	122@2200	100.5	48.5	361@1400	114.7	35.2	DDI TAA ECM
7PKXL04.4NJ1	14	3198/2200	122@2200	100.0	48.2	361@1400	113.9	35.0	DDI TAA ECM
7PKXL04.4NJ1	15	3197/2200	120@2200	100.0	48.2	358@1400	113.9	35.0	DDI TAA ECM
7PKXL04.4NJ1	16	3018/2200	117@2200	97.1	46.8	381@1400	119.4	36.6	DDI TAA ECM
7PKXL04.4NJ1	17	2939/2200	114@2200	97.1	46.8	376@1400	119.4	36.6	DDI TAA ECM
7PKXL04.4NJ1	18	3012/2200	110@2200	91.4	44.1	358@1400	111.8	34.3	DDI TAA ECM
7PKXL04.4NJ1	19	2906/2200	107@2200	91.4	44.1	354@1400	111.8	34.3	DDI TAA ECM
7PKXL04.4NJ1	20	3272/2400	126@2400	95.9	50.5	364@1400	114.6	35.2	DDI TAA ECM
7PKXL04.4NJ1	21	3273/2400	123@2400	95.9	50.5	361@1400	114.6	35.2	DDI TAA ECM
7PKXL04.4NJ1	22	3274/2400	141@2400	105.7	55.6	394@1400	123.9	38.0	DDI TAA ECM
7PKXL04.4NJ1	23	3275/2400	139@2200	105.7	51.0	391@1400	123.9	38.0	DDI TAA ECM
7PKXL04.4NJ1	24	3362/1800	186@1800	138.5	54.6	457@1800			DDI TAA ECM
7PKXL04.4NJ1	25	3364/1500	131@1500	138	45.4	457@1500			DDI TAA ECM
7PKXL04.	26	3366/1800	130@1800	120	47.4	379@1800			TAA ECM

Engine Model Summary Template

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
7PKXL04.4NJ1	27	3368/1500	108@1500	112	36.8	379@1500			DDI TAA ECM
7PKXL04.4NJ1	28	3260/2200	102.5@2200	83.8	40.4	348@1400	108.5	46	ECM DDI TAA
7PKXL04.4NJ1	29	3261/2200	100@2200	83.8	40.4	345/1400	108.5	46	ECM DDI TAA
7PKXL04.4NJ1	30	3262/2200	117.3@2200	93.7	45.2	394/1400	120.4	51	ECM DDI TAA
7PKXL04.4NJ1	31	3263/2200	114.9@2200	93.7	45.2	391/1400	120.4	51	ECM DDI TAA
7PKXL04.4NJ1	32	3264/2200	126.9@2200	100	48.2	409@1400	124.2	52.6	ECM DDI TAA
7PKXL04.4NJ1	33	3265/2200	124.4@2200	100	48.2	406@1400	124.2	52.6	ECM DDI TAA
7PKXL04.4NJ1	34	3425/2200	123.1@2200	99.4	47.9	361@1400	113.1	47.9	ECM DDI TAA

(DA)

United Rentals

January 26, 2012

Unit #1137401 135ft JLG boomlift 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

(DA) 2.02 AQ-SC5

California Environmental Protection Agency AIR RESOURCES BOARD	DEUTZ AG	EXECUTIVE ORDER U-R-013-0357 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)
2010	ADZXL03.6082	3.619	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Mechanical Direct Injection, Electronic Control Module, Turbocharger, Smoke Puff Limiter, Exhaust Gas Recirculation	Loaders, Tractor, Dozer, Pump, Compressor, Other 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
37 ≤ kW < 56	Tier 4 Interim	STD	N/A	N/A	4.7	5.0	0.30	20	15	50
		CERT	--	--	4.6	1.6	0.17	3	2	5

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 29 day of January 2010.

Annette Hebert

Annette Hebert, Chief
Mobile Source Operations Division

Deutz AG

Nonroad CI

Engine Model Summary Template

Attachment page 1 of 4

EO# U-R-013-0357

1/20/2010

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
ADZXL03.6082	C3UI54	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC SPL
ADZXL03.6082	C3UI52	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51A	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54,7	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI53,7	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51,3	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI49,4	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI52A	D3,6DCCE3	69.7@2300	59	30.2	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI55	TD2011L04i	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI52	TD2011L04	69.7@2400	59	30.9	250@1600	65	23.1	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54H	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54J	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54L	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54N	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54P	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54R	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54S	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54T	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54U	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54Q	TD2011L04i	72.4@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI52H	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI52J	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI52L	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI52N	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI52P	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI52R	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR, EC

Deutz A4

Nonroad CI

Engine Model Summary Template

Attachment page 2 of 4

EC# U-R-013-0357

1/20/2010

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
ADZXL03.6082	C3UI52S	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR, EC SPL
ADZXL03.6082	C3UI52T	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI52U	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI52Q	TD2011L04i	69.7@2300	59	30.7	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51H	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51J	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51L	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51N	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51P	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51R	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51S	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51T	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51U	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51Q	TD2011L04i	69.1@2200	59	28.8	240@1600	64	22.8	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54HA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54JA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54LA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54NA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54PA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54RA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54SA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54TA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54UA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI54QA	TD2011L04i	73.4@2600	59	34.1	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI53H	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI53J	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR, EC

Deutz AG

Nonroad CI

Engine Model Summary Template

EC # U-R-013-0357

Attachment page 3 of 4

1/20/2010

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
ADZXL03.6082	C3UI53L	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR, EC SPL
ADZXL03.6082	C3UI53N	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI53P	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI53R	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI53S	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI53T	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI53U	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI53Q	TD2011L04i	72.0@2500	59	33.3	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51HA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51JA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51LA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51NA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51PA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51RA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51SA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51TA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51UA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI51QA	TD2011L04i	68.8@2400	58	31.5	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI49H	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI49J	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI49L	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI49N	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI49P	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI49R	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI49S	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR, EC
ADZXL03.6082	C3UI49T	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR, EC

Deutz AG
Nonroad CI

Engine Model Summary Template

Attachment page 4 of 4

EO# U-R-013-0357
1/20/2010

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	
ADZXL03.6082	C3UI49U	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR, EC	SpL
ADZXL03.6082	C3UI49Q	TD2011L04i	66.2@2300	57	30.2	230@1600	62	22.0	DDI, TC, EGR, EC	
ADZXL03.6082	C3UI55H	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC	
ADZXL03.6082	C3UI55J	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC	
ADZXL03.6082	C3UI55L	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC	
ADZXL03.6082	C3UI55N	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC	
ADZXL03.6082	C3UI55P	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC	
ADZXL03.6082	C3UI55R	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC	
ADZXL03.6082	C3UI55S	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC	
ADZXL03.6082	C3UI55T	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC	
ADZXL03.6082	C3UI55U	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC	
ADZXL03.6082	C3UI55Q	TD2011L04I	73.8@2400	60	32.0	240@1600	64	22.8	DDI, TC, EGR, EC	
ADZXL03.6082	C3UI52V	D3,6DCCE3	69.7@2300	59	30.2	240@1600	64	22.8	DDI, TC, EGR, EC	
ADZXL03.6082	C3UI52P	TD2011L04	69.7@2300	59	30.9	250@1600	65	23.1	DDI, TC, EGR, EC	
ADZXL03.6082	C3UI55H	TD2011L04	75.0@2600	58	31.5	250@1600	65	23.1	DDI, TC, EGR, EC	

ATTACHMENT 1 OF 1

Engine Model Summary Template

4-R-035-0327
3/15/2011

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
BMVXL02.5EEE	4IRQ2N	4IRQ2N	33.5@1800	35.0	13.8	101.0@1350	35.5	10.5	IDI
BMVXL02.5EEE	S3Q2-Y361DP	S3Q2	31.1@2300	34.0	12.9	73.0@2000	36.0	10.7	IDI
BMVXL02.5EEE	S3Q2-Y3SCM	S3Q2	31.1@2300	34.0	12.9	73.0@2000	36.0	10.7	IDI
BMVXL02.5EEE	S3Q2-Y3SCMB	S3Q2	31.1hp@2300	34.0	12.9	73.0ftlb@2000	36.0	10.7	IDI
BMVXL02.5EEE	S4Q2-Y362IR	S4Q2	33.5@1800	35.0	13.8	101.0@1350	35.5	10.5	IDI
BMVXL02.5EEE	S4Q2-Y362SD	S4Q2	33.5@1800	35.0	13.8	101.0@1350	35.5	10.5	IDI
BMVXL02.5EEE	S4Q2-Y365DG	S4Q2	33.5@1800	35.0	13.8	101.0@1350	35.5	10.5	IDI
BMVXL02.5EEE	S4Q2-Y365KL	S4Q2	43.1@2400	34.0	17.9	98.0@2000	34.5	15.1	IDI
BMVXL02.5EEE	S4Q2-Y3EPA1	S4Q2	46.9@2400	37.0	19.5	106.9@2000	37.5	16.4	IDI
BMVXL02.5EEE	S4Q2-Y3SCM	S4Q2	43.1@2400	34.0	17.9	98.0@2000	34.5	15.1	IDI
BMVXL02.5EEE	S4Q2-Y3SCMB	S4Q2	43.1@2400	34.0	17.9	98.0@2000	34.5	15.1	IDI

Marsh Landing Generating Station (08-AFC-3C)
Biological Resources Report Subsections 2.04/2.06
January 2012

February 6, 2012

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)
January 2012 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 January 2012 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, monitoring of this site began at the initiation of site mobilization and demolition activities on February 14, 2011, and has continued through the present. On September 26, 2011, URS, in coordination with GenOn and the CEC Biologist and Compliance Project Manager, reduced the biological monitoring effort to once per every two weeks. 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 January 10, 11 and 27, 2012; 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 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.

Beginning February 15, 2012, the level of biological monitoring will be increased to one monitoring inspection per week.

<u>Biological Resources Monitoring Observations: January 2012</u>

During the month of January, Biological Monitors routinely observed fresh raccoon tracks throughout the active work area. Tracks can be clearly seen leading to trash cans, trailers, baker tanks, and other project features. On January 11, Kiewit informed the biological monitor that they had observed damage to insulation underneath a trailer staged at the north end of the project area. It is likely that raccoons are semi-permanent residents in and around the work area, and are potentially inhabiting some of the temporary construction trailers, or attempting to do so. In general, trash in the project site is minimal and well contained. All trash cans and dumpsters are covered to prevent wildlife from entering. As per COC Bio-6 (Item 8) the Designated Biologist has recommended to GenOn that all food trash containers be emptied into locking containers on a daily basis, to reduce potential attractants to nuisance wildlife.

On January 27, 2012, Kiewit initiated dewatering of excess ground water in the project area. Dewatering is covered under National Pollutant Discharge Elimination System (NPDES) Permit No. CAG995002, dated January 3, 2012. Dewatering activities governed under this permit are restricted to dewatering excess groundwater through an approved treatment and storage system, which discharges water through a 4 inch temporary pipe outfall towards the San Joaquin River just north of the project area.

During the last week of January, exclusion netting installation was initiated at the three culverts underneath the western access road. During the spring and summer of 2011, dozens of cliff swallows (*Petrochelidon pyrrhonota*) and a single black phoebe (*Sayornis nigricans*) pair nested underneath the culverts. After being inspected by a Biological Monitor, all remnant mud nests were removed on November 30, 2011 by Kiewit. Hardware cloth is currently being installed over the culvert openings

per the recommendations outlined in the Nest Removal and Exclusion memo (URS, 2011a), which was approved by the CEC on November 17, 2011. The purpose of the installation is to prevent swallows, and potentially black phoebes, from returning to former nesting sites and potentially rebuilding nests. The hardware cloth is being anchored directly to the concrete, without gaps, with wood. After installation of the netting is complete, a Biological Monitor will inspect all excluded areas for potential gaps, holes or other flaws.

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 2011b]) remains protected behind ESA fencing.

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

Construction Activities

During the month of January MLGS site activities included:

- Potholing for underground utilities
- Installation of silt fence and straw wattles
- Excavation and redistribution of soil
- Scraper and blade operation for project grading
- Removal/replacement of chain-link fence
- Developing trailer/staging area facilities
- Smoothing of ruts and localized depressions in construction area
- Compaction of graded soils
- Building wooden concrete forms and installing rebar
- Pouring concrete

Implementation of Mitigation Measures

For the month of January 2012, 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 instances of non-compliance with the Conditions of Certification or applicable laws, ordinances, and regulations were recorded.

Summary

Monitoring activities did not reveal any 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 practiced currently 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): Nest Removal and Exclusion. November 8.

URS (URS Corporation). 2011b. Marsh Landing Generating Station (08-AFC-3C): May 2011 Monthly Monitoring Summary Report, Biological Resources. June 6.

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

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
January 2012
Marsh Landing Generating Station

Biological Monitoring Log

Marsh Landing Generating Station	Date: Jan-10-2012
Monitor: Derek Jansen	Time: 0645-1000
Weather: Sun, 41F, Wind: NNW 1mph	

Photo Numbers: N/A

Activity that requires monitor's presence: Electrical, pipe set, excavation, trenching, and site clean up.

Description of Construction Activities Observed:
-Kiewit main focus for the day was rebar, carpentry forms, concrete, electrical, and small amounts of excavation.
-Kiewit continued excavation surrounding the work area especially at the northeast corner.

Compliance Observations and Issues: Consider hauling out trash from crew meal stations every day to prevent wildlife interaction with the site through the night. Leaving food trash inside the cans overnight creates a wildlife attractor.

ESA Fencing: Up and in good condition.

Wildlife Pitfalls/Traps/Pipes: Cap off open pipes that are near the ground to prevent wildlife from entering. Wildlife that enters a pipe can be difficult to remove and can also cause a blockage.

Nesting Birds: N/A

Coordination with Construction Personnel: Attended the Kiewit safety meeting and inspected the work area.

Other Compliance Issues: Remove and replace the plastic wattles with coir wattles.

Bird Species on site:
Marsh wren, double-crested cormorant, American crow, scrub jay, common raven, white-crowned sparrow, European starling, yellow-rumped warbler, American kestrel, northern mockingbird, and northern flicker.

Tracks on site: Raccoon, bobcat, red fox, black-tailed jackrabbit, and California ground squirrel.

Daily Monitoring Checklist **Date _** Jan-10-2012_
(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:
-Please make an effort to remove food trash from the site daily not weekly. Multiple raccoon and fox tracks were identified throughout the project, trailers, and crew meal stations. Food scraps in trash cans left over night will and have attracted wildlife into the work area. Food trash should be placed into a locking dumpster.
-The trailer north of the work area showed hanging insulation that had been ripped down by a raccoon. Tracks were found around and under the trailer.
-Remove and replace plastic encased wattles with coir wattles. The problem with the plastic encased wattle is that the vegetative material decays leaving the loose plastic casing on the ground 1-2 years after the project has been completed. The material is supposed to photodegrade but depends upon UV exposure. Once hydroseed is placed over wattles and vegetation grows it becomes shaded from UV which reduces the photodegradation of the plastic casing. The loose plastic casing can entangle wildlife especially snakes and lizards.

Biological Monitoring Log

Marsh Landing Generating Station	Date: 1/11/12
Monitor: Joe Bandel	Time: 7:00am – 9:00am
Weather: Sunny, clear, temps in the 40s - 50s	

Photo Numbers:

Activity that requires monitor's presence:

Description of Construction Activities Observed:

Many construction activities occurring in the main construction area including:
- Excavation for piping + concrete structures
- Construction of plant structure
- movement of materials + equipment

Compliance Observations and Issues:

ESA Fencing: In place + in good condition

Wildlife Pitfalls/Traps/Pipes: All trenches + pits had escape ramps or were covered

Nesting Birds: No nests found

Coordination with Construction Personnel: None

Other Compliance Issues: None

Wildlife Species List for Day:
- American Crow - all over
- Red-tailed hawk - A pair of hawks was seen perched on power line tower where nest used to be.
- White-crowned sparrow - all over in brushy areas
- American kestrel - seen on lip of oil tank

URS
1333 Broadway, Suite 800
Oakland, CA 94612

Daily Monitoring Checklist **Date** 1/11/12
(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: – Signs of raccoon presence around site. Damage to insulation to trailers at north end of project may be due to raccoons. Recommend diligently removing food related trash from this area and disposing in dumpster or other container with sealed & locked lid that could not be opened by raccoons.
– Culverts under the construction access road do not have exclusion netting/barrier for preventing swallows or other birds from nesting here. Recommend installing the exclusion barrier

URS
1333 Broadway, Suite 800
Oakland, CA 94612

Biological Monitoring Log

Marsh Landing Generating Station	Date: 1/27/2012
Monitor: DDE BERNSTEIN	Time: 0715-0900
Weather: COOL, WINDY, SUNNY	

Photo Numbers: N/A

Activity that requires monitor's presence:
CONSTRUCTION

Description of Construction Activities Observed:
CRANE OPERATIONS
BUILDING GENERATOR HOUSING

Compliance Observations and Issues: NONE, PROJECT IS IN COMPLIANCE

ESA Fencing: OK

Wildlife Pitfalls/Traps/Pipes: OK

Nesting Birds: N/A - PRE-SEASON

Coordination with Construction Personnel: OK

Other Compliance Issues: NONE

Wildlife Species List for Day:

BLACK PHOEBE
WHITE CROWN SPARROW
GREAT EGRET
NUTTAL'S WOODPECKER
AMERICAN CROW
RACCOON (TRACKS)
ROCK DOVE
ANNA'S HUMMINGBIRD

URS
1333 Broadway, Suite 800
Oakland, CA 94612

Daily Monitoring Checklist **Date** 1/24/2012
(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) CREW INSTALLING NETTING AROUND UP OF FUEL TANK BY DETENTION BASIN. 1/4 CIRCUMFERENCE COMPLETE BY 0830.
(2) NO NETTING INSTALLED AROUND CULVERTS UNDER W. ACCESS ROAD
(3) CLEARWATER SYSTEMS / KIENIT TO BEGIN DEWATERING INTO SAN JOAQUIN RIVER TODAY. (SPOKE WITH ~~AXL~~ OF CLEARWATER). PERMIT WAS ~~[illegible]~~ RECEIVED + APPROVED.

URS
1333 Broadway, Suite 800
Oakland, CA 94612

Attachment B

Complete Observed Wildlife Species List
Biological Resources Monitoring
January 2012
Marsh Landing Generating Station

Scientific Name	Common Name	Conservation Status[1]	Origin	Notes[2]
Aphelocoma californica	western scrub jay	n/a	native	throughout project area
Ardea alba	great egret	n/a	native	observed in marsh north of project site
Buteo jamaicensis	red-tailed hawk	n/a	native	observed in detention basin
Calypte anna	Anna's hummingbird	n/a	native	observed in trees along northwest fenceline
Cistothorus palustris	marsh wren	n/a	native	observed in marsh north of project site
Colaptes auratus	northern flicker	n/a	native	observed in trees along northwest fenceline
Columba livia	rock dove	n/a	non-native	throughout project area
Corvus brachyrhynchos	American crow	n/a	native	throughout project area
Corvus corax	common raven	n/a	native	throughout project area
Egretta thula	snowy Egret	n/a	native	observed in marsh north of project site
Falco sparverius	American kestrel	n/a	native	observed perched along northwest powerline
Fulica americana	American coot	n/a	native	observed in marsh north of project site
Lepus californicus	black-tailed jackrabbit	n/a	native	presence inferred from tracks
Lynx rufus	bobcat	n/a	native	presence inferred from tracks
Mimus polyglottos	northern mockingbird	n/a	native	throughout project area
Otospermophilus beecheyi	California ground squirrel	n/a	native	presence inferred from tracks
Phalacrocorax auritus	double-crested cormorant	n/a	native	observed in marsh north of project site
Picoides nutallii	Nuttal's woodpecker	n/a	native	observed in trees along northwest fenceline
Procyon lotor	raccoon	n/a	native	presence inferred from tracks
Sayornis nigricans	black phoebe	n/a	native	throughout project area
Setophaga coronata	yellow-rumped warbler	n/a	native	observed in trees along northwest fenceline
Sturna vulgaris	European starling	n/a	non-native	throughout project area
Vulpes vulpes	red fox	n/a	native	presence inferred from tracks
Zonotrichia leucophrys	white-crowned sparrow	n/a	native	observed perching on northwest fence line

[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 1-31-2012

Worker Environmental Awareness Program Matrix

Date	**Numbers**
1/31/2012	132
Total	**132**

2.05 BIO-4

Trainer: Video
Date:
Training: WEAP
(For Office Use Only)

Marsh Landing Generating Station

WORKER ENVIRONMENTAL AWARENESS PROGRAM
WORKER TRAINING ATTENDANCE RECORD

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	Date
1.	Dzevad Muric	Dzevad Muric	KPS	12-20-11
2.	RACHEL LEANOS	[illegible]	KPS	12-20-11
3.	[illegible]	Marcello DiCicco-Austin	KPS	12-20-11
4.	Alan Rigby	Alan Rigby	KPS	12-20-11
5.	Jose Gonzalez	Jose Gonzalez	HP	12-21-11
6.	[illegible]	Jeremy Huls	Hansen	
7.	[illegible]	Matt Kennedy	Hansen PG	12/21/11
8.	[illegible]	Andrew Hill	PKS	12-21-11
9.	George E. Garcia	George E. Garcia	PKS	12-27-11
10.	[illegible]	Lance Medeiros	PKS	12-27-11
11.	[illegible]	Frank X. Sanchez	PKS	12-27-11
12.	[illegible]	Alvaro Saine	KPS	12-27-11
13.	[illegible]	Timothy Barnes	PKS	12 29 11
14.	Eugene Gaines	EUGENE GAINES	PKS	12-30-11
15.	Bruce E. Trost	Bruce E. Trost	PKS	12-30-11
16.	Jerome Mixon	JEROME MIXON	Kiewit	12/30/11
17.	[illegible]	GORDON RUCH	Kiewit	12/30/11
18.	[illegible]	Leon Martin	Kiewit	12-30-11
19.	Luke Weinstein	Luke Weinstein	Kiewit	1-3-12
20.	Thomas Turner	Thomas Turner	Kiewit	1-3-12

2.05 BIO-4

Trainer:	Video
Date:	
Training:	WEAP
(For Office Use Only)	

Marsh Landing Generating Station

WORKER ENVIRONMENTAL AWARENESS PROGRAM
WORKER TRAINING ATTENDANCE RECORD

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	Signature	Print Name	Company/Date	
1.	[illegible]	PETE LOPES	1-2-2012	
2.	[illegible]	Joseph Buttley	P.K.S.	1-3-12
3.	[illegible]	TROYLAN ORTEGA	PKS	1-3-12
4.	[illegible]	Brandon Blakeslee	PKS	1-3-12
5.				
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7.				
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9.				
10.				
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13.				
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Trainer: Video
Date:
Training: WEAP
(For Office Use Only)

Marsh Landing Generating Station

WORKER ENVIRONMENTAL AWARENESS PROGRAM
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	Signature	Print Name	Company	Date
1.		Chris Wikoff	MPSA	1/4/12
2.		KEVIN TRAN	MPSA	1/4/12
3.		Brad Schieckoff	Kiewit	1/4/12
4.		DAN ATWELL	MPSA	1/4/12
5.		ANTHONY AKPORANBARE	MPSA	1/4/12
6.		Troy Rome	Kiewit	1-5-12
7.		Tim Stewart	Kiewit	5 Jan 2012
8.	R. Paul Popejoy	R. Paul Popejoy	Kiewit	1-5-12
9.	John R. Dueñas	John R. Dueñas	Kiewit	1-5-12
10.	Armando Munoz	Armando Munoz	Kiewit	1-5-12
11.		Glenn Hopson	Kiewit	1-6-12
12.		Derrick Taylor	Kiewit	1-6-12
13.	Jose Suarez	Jose Suarez C.	Kiewit	1-6-12
14.	Victor Garcia	Victor Garcia	Kiewit	1-9-12
15.	Charles Phipps	Charles Phipps	Kiewit	1-9-12
16.	[illegible]	[illegible]	[illegible]	[illegible]
17.	W.L. McDaniel			
18.	W.L. McDaniel	W. L. McDANIEL	GSE	1-10-12
19.	Carlos Del Toro		GSE	1-10-12
20.	Jose gonzalez	Jose gonzalez	GSE	1.10.12

Trainer: Video
Date:
Training: WEAP
(For Office Use Only)

Marsh Landing Generating Station

Worker Environmental Awareness Program
Worker Training Attendance Record

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	Signature	Print Name	Company	Date
1.	Isidro Gonzalez	Isidro Gonzalez	GSE	1-10-12
2.	Don McNamara	Don McNamara	GSE	1-10-12
3.	Mike Draper	MIKE DRAPER	MAXIM	1-10-12
4.	Joe Sanger	Joe Sanger	GSE	1-10-12
5.	Frank Fascenda	FRANK FASCENDA	MPS	1-10-2012
6.	Robert Mulley	Robert Mulley	PKS	1-10-12
7.	Lecrista Harris	Lecrista Harris	PKS	1-10-12
8.	David Tex Anderson	DAVID TEX ANDERSON	Kiewit	1-10-12
9.	Bill Martin	Bill Martin	Kiewit	1-10-12
10.	Anthony Harrell	Anthony Harrell	Kiewit	1-10-12
11.	Zach Lewis	ZACH LEWIS	"	1-11-12
12.	Rich Bailey	Rich BAILEY	Kiewit	1-11-12
13.	[illegible]	Mike Malloy	Bigge	1-11-12
14.	[illegible]	Chris Turnwall	Bigge	1.11.12
15.	[illegible]	Marc MacFredale	BIGGE	1.11.12
16.	[illegible]	Alberto Reynoso	BIGGE	01-11-12
17.	[illegible]	Steve Slutton	BIGGE	1/11/12
18.	[illegible]	John Simpson	BIGGE	1/12/12
19.	[illegible]	Gerardo Molina	PENHALL	1-12-12
20.	[illegible]	MARK WIXSON	PENHALL	1-12-12

Trainer: Video
Date:
Training: WEAP
(For Office Use Only)

Marsh Landing Generating Station

Worker Environmental Awareness Program
Worker Training Attendance Record

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	Signature	Print Name	Company	Date
1.		Mark Willits	Kiewit	1-18-12
2.		Marcel Chavez	Kiewit	1-19-12
3.		JEFF SHIPE	Kiewit	1-19-12
4.		NELSON LOBERG	Kiewit	1-19-2012
5.		Gregory Merkel	Kiewit	1-19-2012
6.		Kelley Eichelbaugh	Kiewit	1/19/12
7.		Carol Gluck	Kiewit	1-19-12
8.		Noel Mitchell	Kiewit	1-19-12
9.		Jose Hernandez	PCS	1-23-12
10.		[illegible]	PCS	1-23-12
11.		Hector Moraves	PCS	1/23/12
12.		Ruben Hernandez	PCS	1-23-12
13.		Rob Hill		
14.		Raul Hill	Kiewit	1-23-12
15.		Alvaro Gutierrez	Kiewit	1-23-12
16.		FRANK FRAGO	Kiewit	1-23-12
17.		Milton Elizondo	Kiewit	1-23-12
18.		RANDALL W. SILVA	Kiewit	1-24-12
19.		Matthew M. Stakelek	Kiewit	1-24-12
20.		Matt Helton	Kiewit	1-25-12

Trainer:	Video
Date:	
Training:	WEAP
(For Office Use Only)	

Marsh Landing Generating Station

WORKER ENVIRONMENTAL AWARENESS PROGRAM
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	Signature	Print Name	Company	Date
1.		DANIEL LATO	Kiewit	1/26/12
2.		Jerry Adams	Kiewit	1/26/12
3.		KEVIN L SMITH	Kiewit	1/26/12
4.		BOBBY HOGE	BRAND	1/27/12
5.		Jerry Heinz	Brand	1-27-12
6.		Lee McFarlane	Brand	1-27-12
7.		DAVID PATINO	BRAND	1/27/12
8.		Gödor V. Mircea		
9.		V. Bazon		
10.		E. B		
11.		Dwight Walter	Brand	1-30-12
12.		DANIEL HERNANDEZ	KIEWIT	1-30-12
13.		Jordan Davis	Kiewit	1-30-12
14.		Jose Villalba	Kiewit	1-30-12
15.		Mike Hansen	Kiewit	1-30-12
16.		Richard Ordunk	Kiewit	1-30-12
17.		DANIEL TANO	KIEWIT	1-30-12
18.		Brian Mounsey	Kiewit	1-31-12
19.		Genevieve Lega	Kiewit	1-31-12
20.		DeShawn Blake	Kiewit	1-31-12

Trainer:	Video
Date:	
Training:	WEAP
(For Office Use Only)	

Marsh Landing Generating Station

Worker Environmental Awareness Program
Worker Training Attendance Record

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	Signature	Print Name	Company	Date
1.	Patrick Meehan	Patrick Meehan	Kiewit	1-31-12
2.	[illegible]	Bryan Dahl	Kiewit	01/31/12
3.	[illegible]	Dan Carver	Kiewit	01/31/12
4.	[illegible]	Daren Fletcher	Kiewit	01/31/12
5.	[illegible]	Quinn J. Siner	Kiewit	1/31/12
6.	[illegible]	Howard Marino	Kiewit	1-31-12
7.	Ray Hoskin	Ray Hoskin	Kiewit	2-1-12
8.	Chris Derrico	[illegible]	Kiewit	2-2-12
9.	Byart Wortham	[illegible]	Kiewit	2-3-12
10.	[illegible]	Eric Vargo	Kiewit	2-3-12
11.	Mark W. Folk	Mark W. Folk	Kiewit	2/6/12
12.	[illegible]	Darrell Buzzard	Kiewit	2/6/12
13.	[illegible]	Victor Macedo	Kiewit	2/6/12
14.	Clay L. Fowler	Clay L. Fowler	Kiewit	2-7-12
15.	[illegible]	Tyrone Lockett	Kiewit	2-7-12
16.	Eliseo Rodderos	[illegible]	Kiewit	2-7-12
17.	[illegible]	Colan Johnson	Kiewit	2-7-12
18.	[illegible]	Kelton Miller	CEI	2-8-12
19.				
20.				

Trainer: Video
Date:
Training: WEAP
(For Office Use Only)

Marsh Landing Generating Station

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	Signature	Print Name	Company	Date
1.	[illegible]	Heraclio Sandoval	LAYNE	1/17/2012
2.	[illegible]	David Kahn	Envirosurvey	1/17/2012
3.	[illegible]	Steven Tam	"	1/17/12
4.	Francisco J Sand.	Francisco J Sand.	LAYNE	1-17-12
5.	Joe Vojvoda	Joe Vojvoda	clearwater	1-17/12
6.	Auston Fitzjarrald	Auston Fitzjarrald	F3	1/17/12
7.	Reggie Humphrey	Reggie Humphrey	PCS	1/17/12
8.	Aaron Morgan	Aaron Morgan	Kiewit operator	1/17/12
9.	TROY P. WYLIE	[illegible]	Kiewit carpenter	1-17-2012
10.	Bryan Dorton	[illegible]	Kiewit operator	1-17-12
11.	Kyle Weeks	[illegible]	Kiewit	1/17/12
12.	Howard Gross	[illegible]	Kiewit	1/17/12
13.	[illegible]	James Kendle	Kiewit	1/17/12
14.	[illegible]	Thomas Sizemwright	Kiewit	1-17-2012
15.	[illegible]	GARY McLOSKY	Kiewit	1-17-12
16.	[illegible]	TIM JEFFERS	kiewit	1-17-12
17.	[illegible]	Antonio Montoya	Kiewit	1-17 2012
18.	Bismark M Nuñez	Bismark Nuñez	Kiewit	1-17-12
19.	[illegible]	Herb D. Urias	Kiewit	1-17-12
20.	[illegible]	DENNIS DORTON	"	1-17-12

2.05 BIO-4

Trainer:	Video
Date:	
Training:	WEAP
(For Office Use Only)	

Marsh Landing Generating Station

WORKER ENVIRONMENTAL AWARENESS PROGRAM
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	Signature	Print Name	Company	Date
1.		Gregory Gaggiha	Kiewit	1-12-12
2.		Aspen Eisenhower	Kiewit	1-12-12
3.		Trevor CHAMPION	KIEWIT	1/12/12
4.		HAPoCREMS	KIEWIT	1/12/2012
5.		DAVE ZOCEHI	"	"
6.		Michael A Kewt	Kiewit	1-12-2012
7.		Frank J. LOZANO	Kiewit	1-12-12
8.		Avery C Roper	Kiewit	1-12-12
9.		Jeff Maples	Kewit	1-12-12
10.	FRANK SIG		"	"
11.		DAVID WILLARD	KIEWIT	1/13/2012
12.		Richard Taylor	Kewit	1/13/12
13.		Charles E Mickelson	Kiewit	1/13/12
14.		Earl J. Hoeker	Kiewit	1/13/12
15.		KRYSTOFER COSTA MEDEIROS	KIEWIT	1/13/12
16.		SENAD KAPIC	Kiewit	1/13-/12
17.		Jose Luis Gutierrez	Kiewit	1-13-12
18.		David Fredrick	Kiewit	1/13/12
19.		Brian Brand	"	1 13 12
20.		Steve Hallett	Kiewit	1-16-12
		Ricardo Fajardo	PCS	1/17/12

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 : January 10, 2012
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: 8

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.

MECH-1-29.0 (CBO-0502) Reviewed for Reference Only	**STRUC-1-31.0 (CBO-0495)** Returned with Comments	**MECH-1-12.0 (CBO-0504)** Approved
MECH-1-31.0 (CBO-0503) Reviewed for Reference Only	**CIVIL-1-3.0 (CBO-0491)** Approved	**MECH-1-41.0 (CBO-0506)** Approved
ELEC-1-12.2 (CBO-0507) Returned with Comments	**CIVIL-1-11.0 (CBO-0492)** Approved	

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

Marsh Landing - CBO Transmittal Report

Title CIVIL-1-11.0 **CBO-0492** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-CM-013 rev6	12/16/11	Stormwater Plan	GF	12/22/2011	1/10/2012	Approved

Title CIVIL-1-3.0 **CBO-0491** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-ED-037 rev4	12/16/11	Rough Grading Plan	GF	12/22/2011	1/10/2012	Approved
Drawing	2009-019-ED-043 rev3	12/16/11	Rough Grading Plan	GF	12/22/2011	1/10/2012	Approved
Drawing	2009-019-ED-036 rev4	12/16/11	Rough Grading Plan	GF	12/22/2011	1/10/2012	Approved
Drawing	2009-019-ED-035 rev3	12/16/11	Rough Grading Plan	GF	12/22/2011	1/10/2012	Approved
Drawing	2009-019-ED-029 rev3	12/16/11	Rough Grading Plan	GF	12/22/2011	1/10/2012	Approved
Drawing	2009-019-ED-027 rev3	12/16/11	Rough Grading Plan	GF	12/22/2011	1/10/2012	Approved
Drawing	2009-019-ED-021 rev3	12/16/11	Rough Grading Plan	GF	12/22/2011	1/10/2012	Approved
Drawing	2009-019-ED-020 rev3	12/16/11	Rough Grading Plan	GF	12/22/2011	1/10/2012	Approved
Drawing	2009-019-ED-019 rev3	12/16/11	Rough Grading Plan	GF	12/22/2011	1/10/2012	Approved
Drawing	2009-019-ED-028 rev3	12/16/11	Rough Grading Plan	GF	12/22/2011	1/10/2012	Approved
Drawing	2009-019-ED-044rev3	12/16/11	Rough Grading Plan	GF	12/22/2011	1/10/2012	Approved

Title ELEC-1-12.2 **CBO-0507** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments

Drawing	2009-019-EO-021		Electrical One-Line Diagram Plant UPS System	MT	1/10/2012	Returned with Comments
Drawing	2009-019-EO-020		Electrical One-Line Diagram Plant 125vdc System	MT	1/10/2012	Returned with Comments

Title **MECH-1-12.0** **CBO-0504** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Drawing	2009-019-0SWT6012-1 Rev. 0		Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6010-1 Rev. 0		Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6008-1 Rev. 0		Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6006-1 Rev. 0		Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6005-1 Rev. 0		Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6001-1 Rev. 0		Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6015-1 Rev. 0		Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6013-1 Rev. 0		Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6002-1 Rev. 0		Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6025-1 Rev. 0		Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6046-1 Rev. 0		Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6016-1 Rev. 0		Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved

Drawing	2009-019-0SWT6054-1 Rev. 0	Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6058-1 Rev. 0	Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6036-1 Rev. 0	Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6011-1 Rev. 0	Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6026-1 Rev. 0	Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6040-1 Rev. 0	Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6024-1 Rev. 0	Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6022-1 Rev. 0	Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6060-1 Rev. 0	Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6021-1 Rev. 0	Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6019-1 Rev. 0	Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6018-1 Rev. 0	Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6028-1 Rev. 0	Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved

Title **MECH-1-29.0** **CBO-0502** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Drawing	2009-019-PS-376 Rev. 0		Piping & Instrumentation Diagram SWT - Service Water Treatment	MT		1/10/2012	Reviewed for Reference Only

Drawing	2009-019-PS-377 Rev. 0	Piping & Instrumentation Diagram SWT - Service Water Treatment	MT		1/10/2012	Reviewed for Reference Only
Drawing	2009-019-PS-375 Rev. 0	Piping & Instrumentation Diagram SWT - Service Water Treatment	MT		1/10/2012	Reviewed for Reference Only

Title **MECH-1-31.0** **CBO-0503** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Drawing	2009-019-PS-400 Rev. 0		Piping & Instrumentation Diagram PWS - Potable Water	MT		1/10/2012	Reviewed for Reference Only

Title **MECH-1-41.0** **CBO-0506** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Drawing	2009-019-0PWS6001-1 Rev. 0		Large Bore Fabrication Isometric PWS - Potable Water	MT	1/10/2012	1/10/2012	Approved
Drawing	2009-019-0PWS6003-1 Rev. 0		Large Bore Fabrication Isometric PWS - Potable Water	MT	1/10/2012	1/10/2012	Approved
Drawing	2009-019-0PWS6019-1 Rev. 0		Large Bore Fabrication Isometric PWS - Potable Water	MT	1/10/2012	1/10/2012	Approved
Drawing	2009-019-0PWS6022-1 Rev. 0		Large Bore Fabrication Isometric PWS - Potable Water	MT	1/10/2012	1/10/2012	Approved
Drawing	2009-019-0PWS6024-1 Rev. 0		Large Bore Fabrication Isometric PWS - Potable Water	MT	1/10/2012	1/10/2012	Approved
Drawing	2009-019-0PWS6026-1 Rev. 0		Large Bore Fabrication Isometric PWS - Potable Water	MT	1/10/2012	1/10/2012	Approved
Drawing	2009-019-0PWS6027-1 Rev. 0		Large Bore Fabrication Isometric PWS - Potable Water	MT	1/10/2012	1/10/2012	Approved

Title **STRUC-1-31.0** **CBO-0495** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*

Drawing	2009-019-SF-031 Rev. 0	Demineralized Water Tank Foundation Plan, Sections & Details	AC	1/10/2012	Returned with Comments
Calcs	910Q-03 Rev. 0	Demineralized Water Tank Foundation Plan and Details Calcs	AC	1/10/2012	Returned with Comments

Subsection 2.09(CIVIL-3)

As of 1-31-2012

Non Conformance Report	None

Subsection 2.11(CUL-5)

As of -1-31-2012

Worker Environmental Awareness Program Matrix

Date	**Numbers**
1/31/2012	132
Total	**132**

2.11 CUL-5

Trainer: Video
Date:
Training: WEAP
(For Office Use Only)

Marsh Landing Generating Station

WORKER ENVIRONMENTAL AWARENESS PROGRAM
WORKER TRAINING ATTENDANCE RECORD

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	Date
1.	Dzevad Muric	Dzevad Muric	KPS	12-20-11
2.	RACHEL LEANOS	[illegible]	KPS	12-20-11
3.	[illegible]	Marcello DiCicco-Austin	KPS	12-20-11
4.	Alan Rigby	Alan Rigby	KPS	12-20-11
5.	Jose Gonzalez	Jose Gonzalez	HP	12-21-11
6.	[illegible]	Jeremy Huls	Harsen	
7.	[illegible]	Matt Kennedy	Harsen PG	12/21/11
8.	[illegible]	Andrew Hill	PKS	12-21-11
9.	George E. Garcia	George E. Garcia	PKS	12-27-11
10.	[illegible]	Lance Medeiros	PKS	12-27-11
11.	[illegible]	Frank X. Sanchez	PKS	12-27-11
12.	[illegible]	Alvaro Saine	KPS	12-27-11
13.	[illegible]	Timothy Barnes	PKS	12 29 11
14.	Eugene Gaines	EUGENE GAINES	PKS	12-30-11
15.	Bruce E. Trost	Bruce E. Trost	PKS	12-30-11
16.	Jerome Mixon	JEROME MIXON	Kiewit	12/30/11
17.	[illegible]	GORDON RUCH	Kiewit	12/30/11
18.	[illegible]	Leon Martin	Kiewit	12-30-11
19.	Luke Weinstein	Luke Weinstein	Kiewit	1-3-12
20.	Thomas Turner	Thomas Turner	Kiewit	1-3-12

2.11 CUL-5

Trainer:	Video
Date:	
Training:	WEAP

(For Office Use Only)

Marsh Landing Generating Station

WORKER ENVIRONMENTAL AWARENESS PROGRAM
WORKER TRAINING ATTENDANCE RECORD

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	Signature	Print Name	Company/Date	
1.	[illegible]	PETE LOPES	1-2-2012	
2.	[illegible]	Joseph Battley	P.K.S.	1-3-12
3.	[illegible]	TROYLAN ORTEGA	PKS	1-3-12
4.	[illegible]	Brandon Blakeslee	PKS	1-3-12
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Trainer:	Video
Date:	
Training:	WEAP
(For Office Use Only)	

Marsh Landing Generating Station

WORKER ENVIRONMENTAL AWARENESS PROGRAM
WORKER TRAINING ATTENDANCE RECORD

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	Signature	Print Name	Company	Date
1.		Chris Wikoff	MPSA	1/4/12
2.		KEVIN TRAN	MPSA	1/4/12
3.		Brad Schieckoff	Kiewit	1/4/12
4.		DAN ATWELL	MPSA	1/4/12
5.		ANTHONY AKPORANBARE	MPSA	1/4/12
6.		Troy Rome	Kiewit	1-5-12
7.		Tim Stewart	Kiewit	5 Jan 2012
8.	R. Paul Popejoy	R. Paul Popejoy	Kiewit	1-5-12
9.	John R. Dueñas	John R. Dueñas	Kiewit	1-5-12
10.	Armando Munoz	Armando Munoz	Kiewit	1-5-12
11.		Glenn Hopson	Kiewit	1-6-12
12.		Derrick Taylor	Kiewit	1-6-12
13.	Jose Suarez	Jose Suarez C.	Kiewit	1-6-12
14.	Victor Garcia	Victor Garcia	Kiewit	1-9-12
15.	Charles Phipps	Charles Phipps	Kiewit	1-9-12
16.	[illegible]	[illegible]	[illegible]	1-10-12
17.	W.L. McDaniel			
18.	W.L. McDaniel	W. L. McDANIEL	GSE	1-10-12
19.	Carlos Del Toro		GSE	1-10-12
20.	Jose gonzalez	Jose gonzalez	GSE	1.10.12

Trainer:	Video
Date:	
Training:	WEAP
(For Office Use Only)	

Marsh Landing Generating Station

Worker Environmental Awareness Program
Worker Training Attendance Record

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	Signature	Print Name	Company	Date
1.	Isidro Gonzalez	Isidro Gonzalez	GSE	1-10-12
2.	Don McNamara	Don McNamara	GSE	1-10-12
3.	Mike Draper	MIKE DRAPER	MAXIM	1-10-12
4.	Joe Sanger	Joe Sanger	GSE	1-10-12
5.	Frank Fascenda	FRANK FASCENDA	MPS	1-10-2012
6.	Robert Mulley	Robert Mulley	PKS	1-10-12
7.	Lecrista Harris	Lecrista Harris	PKS	1-10-12
8.	David Tex Anderson	DAVID TEX ANDERSON	Kiewit	1-10-12
9.	Bill Martin	Bill Martin	Kiewit	1-10-12
10.	Anthony Harrell	Anthony Harrell	Kiewit	1-10-12
11.	Zach Lewis	ZACH LEWIS	"	1-11-12
12.	Rich Bailey	Rich BAILEY	Kiewit	1-11-12
13.	[illegible]	Mike Malloy	Bigge	1-11-12
14.	[illegible]	Chris Turnwall	Bigge	1.11.12
15.	[illegible]	Marc Manfredale	BIGGE	1.11.12
16.	[illegible]	Alberto Reynoso	BIGGE	01-11-12
17.	[illegible]	Steve Shelton	BIGGE	1/11/12
18.	[illegible]	John Simpson	BIGGE	1/12/12
19.	[illegible]	Gerardo Molina	PENHALL	1-12-12
20.	[illegible]	MARK WIXSON	PENHALL	1-12-12

Trainer: Video
Date:
Training: WEAP
(For Office Use Only)

Marsh Landing Generating Station

Worker Environmental Awareness Program
Worker Training Attendance Record

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	Signature	Print Name	Company	Date
1.		Mark Willits	Kiewit	1-18-12
2.		Marcel Chavez	Kiewit	1-19-12
3.		JEFF SHIPE	Kiewit	1-19-12
4.		NELSON LOBERG	Kiewit	1-19-2012
5.		Gregory Merkel	Kiewit	1-19-2012
6.		Kelley Eichelberger	Kiewit	1/19/12
7.		Carol Gluck	Kiewit	1-19-12
8.		Noel Mitchell	Kiewit	1-19-12
9.		Jose Hernandez	PCS	1-23-12
10.		[illegible]	PCS	1-23-12
11.		Hector Moraves	PCS	1/23/12
12.		[illegible]	PCS	1-23-12
13.				
14.		Raul Hill	Kiewit	1-23-12
15.		Alvaro Gutierrez	Kiewit	1-23-12
16.		FRANK FRAGO	Kiewit	1-23-12
17.		Milton Elizondo	Kiewit	1-23-12
18.		RANDALL W. SILVA	Kiewit	1-24-12
19.		Matthew M. Stakelek	Kiewit	1-24-12
20.		Matt Helton	Kiewit	1-25-12

Trainer:	Video
Date:	
Training:	WEAP

(For Office Use Only)

Marsh Landing Generating Station

WORKER ENVIRONMENTAL AWARENESS PROGRAM
WORKER TRAINING ATTENDANCE RECORD

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	Signature	Print Name	Company	Date
1.		DANIEL LATU	Kiewit	1/26/12
2.		Jerry Adams	Kiewit	1/26/12
3.		KEVIN L SMITH	Kiewit	1/26/12
4.		BOBBY HOGE	BRAND	1/27/12
5.		Jerry Heinz	Brand	1-27-12
6.		Lee McFarlane	Brand	1-27-12
7.		DAVID PATLEO	BRAND	1/27/12
8.		Gödor V. Mircea		
9.		Victor Banoiu		
10.		Eugen Budeau		
11.		Dwight Walter	Brand	1-30-12
12.		DANIEL HERNANDEZ	KIEWIT	1-30-12
13.		Jordan Davis	Kiewit	1-30-12
14.		Jose Villalba	Kiewit	1-30-12
15.		Mike Hansen	Kiewit	1-30-12
16.		Richard Ordunk	Kiewit	1-30-12
17.		DANIEL TANCO	KIEWIT	1-30-12
18.		Brian Mounsey	Kiewit	1-31-12
19.		Genevieve Lega	Kiewit	1-31-12
20.		DeShawn Blake	Kiewit	1-31-12

Trainer:	Video
Date:	
Training:	WEAP
(For Office Use Only)	

Marsh Landing Generating Station

Worker Environmental Awareness Program
Worker Training Attendance Record

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	Signature	Print Name	Company	Date
1.	Patrick Meehan	Patrick Meehan	Kiewit	1-31-12
2.	[illegible]	Bryan Dahl	Kiewit	01/31/12
3.	[illegible]	Dan Carver	Kiewit	01/31/12
4.	[illegible]	Daren Fletcher	Kiewit	01/31/12
5.	[illegible]	Quinn J. Siner	Kiewit	1/31/12
6.	[illegible]	Howard Marino	Kiewit	1-31-12
7.	Ray Hoskin	Ray Hoskin	Kiewit	2-1-12
8.	Chris Derrico	[illegible]	Kiewit	2-2-12
9.	Byart Wortham	[illegible]	Kiewit	2-3-12
10.	[illegible]	Eric Vargo	Kiewit	2-3-12
11.	Mark W. Folk	Mark W. Folk	Kiewit	2/6/12
12.	[illegible]	Darrell Buzzard	Kiewit	2/6/12
13.	[illegible]	Victor Macedo	Kiewit	2/6/12
14.	Clay L. Fowler	Clay L. Fowler	Kiewit	2-7-12
15.	[illegible]	Tyrone Lockett	Kiewit	2-7-12
16.	Eliseo Rodderos	[illegible]	Kiewit	2-7-12
17.	[illegible]	Colan Johnson	Kiewit	2-7-12
18.	[illegible]	Kelton Miller	CEI	2-8-12
19.				
20.				

Trainer: Video
Date:
Training: WEAP
(For Office Use Only)

Marsh Landing Generating Station

WORKER ENVIRONMENTAL AWARENESS PROGRAM
WORKER TRAINING ATTENDANCE RECORD

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	Signature	Print Name	Company	Date
1.	[illegible]	Heraclio Sandoval	LAYNE	1/17/2012
2.	[illegible]	David Kahn	Envirosurvey	1/17/2012
3.	[illegible]	Steven Tam	"	1/17/12
4.	Francisco J Sand.	Francisco J Sand.	LAYNE	1-17-12
5.	Joe Vojvoda	Joe Vojvoda	clean earth	1-17/12
6.	Auston Fitzjarrald	Auston Fitzjarrald	F3	1/17/12
7.	Reggie Humphrey	Reggie Humphrey	PCS	1/17/12
8.	Aaron Morgan	Aaron Morgan	Kiewit operator	1/17/12
9.	TROY P. WYLIE	[illegible]	Kiewit carpenter	1-17-2012
10.	Bryan Dorton	[illegible]	Kiewit operator	1-17-12
11.	Kyle Weeks	[illegible]	Kiewit	1/17/12
12.	Howard Gross	[illegible]	Kiewit	1/17/12
13.	[illegible]	James Kendle	Kiewit	1/17/12
14.	[illegible]	Thomas Sizemwright	Kiewit	1-17-2012
15.	[illegible]	GARY McLOSKY	Kiewit	1-17-12
16.	[illegible]	TIM JEFFERS	kiewit	1-17-12
17.	[illegible]	Antonio Montoya	Kiewit	1-17 2012
18.	Bismark M Nuñez	Bismark Nuñez	Kiewit	1-17-12
19.	[illegible]	Herb D. Urias	Kiewit	1-17-12
20.	[illegible]	DENNIS DORTON	"	1-17-12

2.11 CUL-5

Trainer:	Video
Date:	
Training:	WEAP
(For Office Use Only)	

Marsh Landing Generating Station

WORKER ENVIRONMENTAL AWARENESS PROGRAM
WORKER TRAINING ATTENDANCE RECORD

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	Signature	Print Name	Company	Date
1.		Gregory Gaggiha	Kiewit	1-12-12
2.		Aspen Eisenhour	Kiewit	1-12-12
3.		Trevor CHAMPION	KIEWIT	1/12/12
4.		HAPOCEREN	KIEWIT	1/12/2012
5.		DAVE ZOCEHI	"	"
6.		Michael A Kewt	Kiewit	1-12-2012
7.		Frank J. LOZANO	Kiewit	1-12-12
8.		Avery C Roper	Kiewit	1-12-12
9.		Jeff Maples	Kewit	1-12-12
10.	FRANK SIG		"	"
11.		DAVID WILLARD	KIEWIT	1/13/2012
12.		Richard Taylor	Kewit	1/13/12
13.		Charles E Mickelson	Kiewit	1/13/12
14.		Earl J. Hoult	Kiewit	1/13/12
15.		KRYSTOFER COSTA MEDEIROS	KIEWIT	1/13/12
16.		SENAD KAPIC	Kiewit	1/13-/12
17.		Jose Luis Gutierrez	Kiewit	1-13-12
18.		David Fredrick	Kiewit	1/13/12
19.		Brian Brand	"	1 13 12
20.		Steve Hallett	Kiewit	1-16-12
		Ricardo Fajardo	PCS	1/17/12

Cultural Resources Report Subsection 2.12

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

January 2012

February 7, 2012

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 January 2012.

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 January included monitoring excavation for duct banks and trenching for utilities. The majority of these excavations are within soils overexcavated early this year during site preparation. Monitoring is ongoing due to the fact that some of these excavations extend into soils that may not have been disturbed during site preparation.

Monitoring took place from January 3 through January 31, 2012. One CRM was on site during all excavation activities.

In addition to monitoring ground disturbing activities, the CRM periodically surveyed all recently disturbed surface soils throughout the project site. Activities and observations are summarized in Table 1 below, and Daily Monitoring Logs are attached to this letter report as Attachment A.

On January 13, the CRS met with CEC staff to discuss excavation and monitoring techniques as well as other outstanding cultural issues. On January 30, the CRS sent an email to CEC as a follow-up to the January 13, 2012 meeting. The report of the glass fragment discovered on October 24, 2011 was also resubmitted to CEC on January 30, 2012. CEC concurrence regarding the treatment of this discovery is pending.

Table 1. Summary of Cultural Resources Monitoring Activities January 2012.

Date	Monitor(s)	Activities/Observations	Discoveries
1.03.2012	Joseph Belk	Monitored excavation for Duct Bank U Control Building to a depth of ~1 feet below ground surface (bgs). All soils disturbed.	None
1.04.2012	Joseph Belk	Monitored excavation for duct banks S & R to approximate depth of ~6 feet bgs. Native and disturbed soils observed.	None
1.05.2012	Joseph Belk	Monitored excavation for duct banks S & R to approximate depth of ~6 feet bgs. Native and disturbed soils observed.	None
1.06.2012	Joseph Belk	Monitored excavation for duct bank S to approximate depth of ~6 feet bgs. Native and disturbed soils observed.	None
1.09.2012	Joseph Belk	Monitored excavation for duct banks S and T to approximate depth of ~7 feet bgs. Native and disturbed soils observed.	None

Date	Monitor(s)	Activities/Observations	Discoveries
1.10.2012	Joseph Belk	Monitored excavation for duct bank S to approximate depth of ~6 feet bgs. Native and disturbed soils observed.	None
1.11.2012	Joseph Belk	Monitored excavation for duct bank S to and water potholing to approximate depth of ~8 feet bgs. Native and disturbed soils observed.	None
1.12.2012	Joseph Belk	Monitored excavation of duct bank T to ~7 feet bgs. Native and disturbed soils observed.	None
1.13.2012	Joseph Belk	Monitored potholing to a depth of ~2 feet bgs. No native soils observed.	None
1.17.2012	Joseph Belk	Monitored excavation for duct bank T and drilling of #1 water well to a depth of 68 feet bgs. Native and disturbed soils observed.	None
1.18.2012	Joseph Belk	Monitored excavation for duct bank T and water well #2to a depth of 30 feet bgs. Native and disturbed soils observed.	None
1.19.2012	Joseph Belk	Monitored excavation of duct bank T to a depth of ~6 feet bgs. Native and disturbed soils observed.	None
1.20.2012	Joseph Belk	Monitored excavation of duct bank T and the gas line trench, maximum depth of excavation ~5 feet bgs. Native soils observed at depth.	None
1.23.2012	Joseph Belk	Monitored clean out of gas line trench. No new excavation occurred.	None
1.24.2012	Joseph Belk	Monitored excavation for gas line to a depth of ~ 2 feet bgs. Native and disturbed soils observed.	None

Date	Monitor(s)	Activities/Observations	Discoveries
1.25.2012	Joseph Belk	Monitored excavation of duct bank U & V and gas line trench; gas line excavated to a maximum depth of~ 6 feet bgs. Native and disturbed soils observed.	None
1.26.2012	Joseph Belk	Monitored excavation of duct bank T & V and gas line trench. Maximum depth of excavation~8 feet bgs. Native and disturbed soils observed.	None
1.27.2012	Joseph Belk	Monitored excavation of duct bank T, cleanup of duct bank V and excavation of gas line trench. Maximum excavation to ~7 feet bgs. Native and disturbed soils observed.	None
1.28.2012	Joseph Belk	Monitored excavation of duct bank T and gas line trench. Maximum depth of excavation ~ 6 feet bgs. Native and disturbed soils observed.	None
1.30.2012	Joseph Belk	Monitored excavation of duct banks T & V and the gas line trench to a depth of approximately 7 feet bgs. Native and disturbed soils observed.	None
1.31.2012	Joseph Belk	Monitored excavation of duct bank T, gas line trench and the electrical service trench to the new warehouse. Maximum depth of excavation ~5 feet bgs. Native and disturbed soils observed.	None

Conditions/LORS Compliance
No instances of non-compliance with the Conditions of Certification or applicable LORS were recorded.

Summary and Conclusions
Cultural resources monitoring took place between January 3 and January 31, 2012, as described in Table 1 above. One CRM was onsite during excavation activities. All ground disturbing activities throughout the MLGS project area were monitored. Monitoring is ongoing, and will continue full-time for all excavation activities.

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
January 2012
Marsh Landing Generating Station

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

Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 1-3-2012 Monitor Name: Joseph Delk (on site 7-3:30)

Weather Conditions: AM Cool ~48° Foggy PM WARM & CLEAR ~59°
Hours on Site Not Worked and Reason:
Work Location (Project Component): Duct Bank-U (Poss) Plus Control Building (Poss)
Work Type (Machine): EXCAVATOR Shovel
Depth of Excavation: EL 11X
Observed Native Soils (Stratigraphy): NO
Disturbed/Redeposited Soils: YES
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

Notes: AM: ~7:20 Spoke to Jason - Poss Duct Bank-U Today NW, Josh Laying Out Control Building / No Excavation below EL 8 or 10. Back filling Multipal Locations
PM: WARM & Sunny Minor Ex in DB-M Back filling multipal locations

David F. ✓
Maureen K. ✓

Richard S. Filled out and Turned in DPR / JHA to Mike Kasten

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

Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 1-4-2012 Monitor Name: Joseph Belk (ONSITE 7-5)

Weather Conditions: AM Foggy, Cold ~45°
Hours on Site Not Worked and Reason: Ø
Work Location (Project Component): Duct Bank - S & R - Trench S-2
Work Type (Machine): Excavator - Shovel
Depth of Excavation: EL 62
Observed Native Soils (Stratigraphy): Yes
Disturbed/Redeposited Soils: Yes
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

Note's AM - Major Safety Meeting w/ Kewit - Work begins After 9 AM ~11:30 Work begins on Trench S-2
PM - Work Continues on Trench S-2 Till ~4:40pm - Jason Cont. To Ex DB-S Tomorrow
No Cultural material or Evidence.

David F. ✓
MAUREEN K. ✓

Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 1-5-12 Monitor Name: Joseph Belk (7-5) on site

Weather Conditions: AM Cold ~48° & Clear-Warming → PM Warm & clear Breeze from NNW
Hours on Site Not Worked and Reason: Ø
Work Location (Project Component): Duct Bank - R&S Trench S-2 & Paralle Trech to North
Work Type (Machine): Excavator - Shovel
Depth of Excavation: DB R&S-Trench S-2 EL 6±
Observed Native Soils (Stratigraphy): YES - @ bottom of Trench S-2 ~ 2' Exposed.
Disturbed/Redeposited Soils: YES EL 15± to EL 6±
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

NOTES: AM - Larry Cont. DB-R&S; D Trenching in SE Shallow above EL 10 & other Recently buried Piping.
PM - Cont w/ S-2
No Cultural Material observed

David F. ✓
Maureen K. ✓

Richard Serrano Submitted DPR/JHA to Mike S.

Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 1-6-12 Monitor Name: Joseph Belk on site (7-4)

Weather Conditions: AM Cold ~45° & clear → warming PM Clear & Warm Breeze from NNW
Hours on Site Not Worked and Reason: Ø
Work Location (Project Component): Duct Bank - S / Trench S-2 North most
Work Type (Machine): Excavator
Depth of Excavation: Max EL 6±
Observed Native Soils (Stratigraphy): Yes from ~EL 8± to 6±
Disturbed/Redeposited Soils: Yes ~ EL 15± to 8±
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

PBS: Duct Bank S-2 Cont to El 5± EW & N - Not finished
Duct Bank T Cont N - Not Finished
No Cultural material observed in undisturbed Native Soil

David F. ✓
Maureen K. ✓

Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 1-9-12 Monitor Name: Joseph Belk (7-4) on site

Weather Conditions: AM Cold ~40°, Clear
Hours on Site Not Worked and Reason: Ø
Work Location (Project Component): Duct Bank-S cont, Duct Bank-T Done for now
Work Type (Machine): Excavator – Shovel
Depth of Excavation: DB-S EL 6.0'; DB-T EL 5.042
Observed Native Soils (Stratigraphy): Yes below ~EL 9.5
Disturbed/Redeposited Soils: Yes Above ~EL 9.5
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

AM
Notes: Work on DB-T completed before noon, DB-S cont North ward

PM Finish DB-S-2 North Trench to ~EL 6° Then Both Excavators began
Mass Sub Ex of DB-S East to an EL of 11°.
No Cultural Material observed at EL below 10°

David F. ✓
Maureen K. ✓

Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 1-10-11 Monitor Name: Joseph Belk (on site 8-4)

Weather Conditions: AM Cold & Clear ~48° PM Warm & hi Clouds
Hours on Site Not Worked and Reason: Ø
Work Location (Project Component): Duct Bank-S
Work Type (Machine): Excavator-Shovel
Depth of Excavation: EL 7.4
Observed Native Soils (Stratigraphy): Yes @ ~ EL 7.4
Disturbed/Redeposited Soils: Yes Above ~EL 7.4
Features:
Ø

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, stratigraphic context.):
2 Small Obsidian Flakes-only Recently discovered from tailing of Pile in Duct Bank-M, SE Quad. The Paleo Sample was collected on from Pile @ ~ 15-20' below the current Redeposited Surface

Not discovery from Paleo samples taken 9.15.11 MK

Assessment of Significance of Any Finds? (As recommended by the CRS):
-2 obsidian flakes: No determination Yet.

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

Notes: David F.-Wells this Wk - Most likely 24/7 schedule Next Wk
Maureen K. - Water Trenching Poss - CEC Site Visit on Fri
Josh - Larry > don't know About Water Trenching - long Trench Along Rd Starts After 1-16
Annette - Found 2 obsidian Flakes in Pile micro Sample from Duct Bank-M @ 15-25' below Current Surface - Need to determine EL. and Plot Pile.

David F. ✓
Maureen K. ✓

1 from Paleo sample taken 9.15.11 - MK

Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 1-11-12 Monitor Name: Joseph Belk on site (7-5)

Weather Conditions: AM Cold & Clear PM Warm >60° Clear
Hours on Site Not Worked and Reason:
Work Location (Project Component): Duct Bank-5, SE Portion of Power Block (High Pressure H_2O)
Work Type (Machine): Excavator - Shovel; High Pressure Water Blasting
Depth of Excavation: Duct Bank-5 = 7½'; SE Portion Potholeing = from EL 9± to EL 4.5
Observed Native Soils (Stratigraphy): YES - DB-5 to EL ~ 7±
Disturbed/Redeposited Soils: YES - DB-5 Above ~ EL 7±
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):
Photo + Video of High Pressure Water Potholing & dumping Tailings

Notes: • Monitored Potholing AM - PM Till 2PM Spot Monitored DB-5 AM deep Trenching
• Began ~ 2PM. Monitored DB-5 Deep Trenching to EL 7±.
• High Pressure Water Pothole Tests: Stratigraphy - EL 9± Surface - 6"-8" below Hard Pan gravels & soil ~8" to 5' Below Native deposits - Yellow Brown w/ dk Brown streaking.
No Cultural Material observed

David F. ✓
Maureen K. ✓

Richard Serrano - JHS (DPR)

Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 1-12-12 Monitor Name: Joseph Belk (7-4) on site

Weather Conditions: AM Cold & clear - windy from East PM
Hours on Site Not Worked and Reason: Ø
Work Location (Project Component): Duct Bank - T
Work Type (Machine): Excavator - shovel
Depth of Excavation: EL 5.42
Observed Native Soils (Stratigraphy): YES
Disturbed/Redeposited Soils: YES
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

Notes:
AM - Duct Bank-T continued westward to EL 5.42 ~ 25' cut - No cultural material observed. In the so. wall a dk layer of blk ash from a forest fire delivered here by water. This thin irregular layer, according to Richard Serrano and my own observation is found across the entire site @ ~ EL 7±

PM - Cont Duct Bank-T. Then ~ 2PM Excavation moved to an area south of Duct Bank-S, Ex will max @ EL 10.4± and in in very recent redeposits. Spot monitor - No cultural observed below EL 10.2

David F. ✓
Maureen K. ✓
Richard Serrano - JHS (DPR) ✓

Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 1-13-12 Monitor Name: Joseph Belk (7-3) on site

Weather Conditions: AM ~36° Cold & Clear slight Breeze
Hours on Site Not Worked and Reason: Ø
Work Location (Project Component): SE Corner of
Work Type (Machine): Excavator - Shovel; High Pressure Water - Potholing
Depth of Excavation: HP Water Pothole Testing
Observed Native Soils (Stratigraphy):
Disturbed/Redeposited Soils: YES (Hydro VAC) EL 9E to EL
Features:
Hydro Vac - Ø

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

Hydro VAC - Asbestos Pipe Fitting 1/2 - Previous Industrial Use ~ Elev 8E in South East Corner of Site - Power Poll

modern - not over 50 yrs
MK

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

~~Asbestos Pipe Fitting Deemed not Significant~~

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

Notes: Maureen Kirk & CEC on Site - 2 Persons from CEC w/ Explination from Hydro Vac Operator and Assurance from Maureen that w/ care full monitoring & Training of Vac Op we can find cultural deposits.

No Sat or Mon Excavations: David F., Maureen K, Jason-Kiewit, Mike & Nick-GENON

David F. ✓
Maureen K. ✓

Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 1-17-12 Monitor Name: Joseph Belk (7-5) on site

Weather Conditions: AM Cold ~48° slight breeze (from NW) gusty PM warming, NW Winds
Hours on Site Not Worked and Reason: Ø
Work Location (Project Component): Duct Bank-T & #1 Monitoring H2O WELL
Work Type (Machine): Excavator - Shovel / Drill Rig
Depth of Excavation: DB-T EL 5042 / Water Monitor WELL 68' - WELL installed between 40'-50'
Observed Native Soils (Stratigraphy): YES
Disturbed/Redeposited Soils: YES
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

Notes: Duct Bank-T EL 5042; No Cultural Material observed

H2O Monitoring Well - Drilled to 68' No Clay Lens observed only saturated sand below ~10' of current surface. Monitoring well screen installed between 40' & 50' below current surface No Cultural Material observed.

David F. ✓

Maureen K. ✓

Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 1-18-12 Monitor Name: Joseph Belk (on site 7-4)

Weather Conditions: AM cold ~48° slight breeze, PM warming, Clear slight Breeze / increasing to steady cold
Hours on Site Not Worked and Reason: Ø
Work Location (Project Component): Duct Bank-T; H_2O wells SW corner of site; E of H_2O Tanks
Work Type (Machine): Excavator - shovel; Drill Rig
Depth of Excavation: Duct Bank-T EL 5042 / E of Tanks E 8±
Observed Native Soils (Stratigraphy): YES Duct Bank-T / H_2O monitor Well #2
Disturbed/Redeposited Soils: YES Duct Bank-T / H_2O Monitor Well #2 / E of H_2O Tanks NW of DB-T
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):
Photos: of Duct Bank-T looking North - West most NS oriented trench to EL 5042 most recent excavation. Richard Serrano for scale.

Note: - Some in Duct Bank-T to EL 5042; E of Tank Cluster to EL 8±; No Cultural Material observed.
- H_2O Monitoring Wells - #2 20N of #1 Drilled to 30' (No Clay) No Cultural Material observed.
- Excavation NW of DB-T Depth EL 8±. East of H_2O Tanks & in Redeposits - Spot check only.
* RJA: Gas line trench should excavate AM 1-19-12

David F. ✓
Maureen K. ✓
Annette - JHS ✓

Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 1-19-12 Monitor Name: Joseph Belk (7 on site -5)

Weather Conditions: AM Cold, Clouds NW slight breeze
Hours on Site Not Worked and Reason: Ø
Work Location (Project Component): West & NW of Duct Bank-T, Trenching for Gas line
Work Type (Machine): Excavator - Shovel
Depth of Excavation: Duct Bank-T EL 6±
Observed Native Soils (Stratigraphy): YES
Disturbed/Redeposited Soils: YES
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):
Photos: Several of Beginning (Pothole) of NS Trench

Notes: Duct Bank-T inbetween H_2O Tank Trenching ceased late morning. Spot checked Back fill Rest of Morning - Then Trenching inbetween All Three Tanks, ~EL 8±. Spot check only

New Gas line from Existing Turbine Plant to Road (NS orientation) Surface ~EL 11.95 - depth ~EL 7.95

RAJA - They Will Work Till 5 - unless too Much Rain -

David F. ✓
Maureen K. ✓

Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 1-20-12 Monitor Name: Joseph Bella (ON Site 7-5)

Weather Conditions: AM Cold Rain & Easterly Wind PM Cold Steady Wind from East very little Rain
Hours on Site Not Worked and Reason: Ø
Work Location (Project Component): Gas Line Trench / Duct Bank T between H2O Tanks.
Work Type (Machine): Excavator - Shovel
Depth of Excavation: ~ EL 7.2 Gas Line / DB-T EL 8.6
Observed Native Soils (Stratigraphy): Yes/Below EL 10.2 in
Disturbed/Redeposited Soils: Yes/Above EL 10 in Gas line Trench & Above EL 8 in DB-T
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

Notes: Gas line: ~20' with Excavator, then hand Ex around 2" line @ EL 8.64 & one @ ~EL-7 bottom of Trench
DB-T Stopped @ Temp Road Way South of Tanks
Rain, No Excavation Sat

David F. ✓ Annette C. JHA ✓
Maureen K.

Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 1-23-12 Monitor Name: Joseph Belk (7-3) on site

Weather Conditions: AM Rain / Breezy & cool wind Gusty PM Clearing Cold wind from NW
Hours on Site Not Worked and Reason: Ø
Work Location (Project Component): GAS LINE TRENCH
Work Type (Machine): EXCAVATOR - Shovel
Depth of Excavation: No NEW EXCAVATION
Observed Native Soils (Stratigraphy): YES - GAS LINE TRENCH
Disturbed/Redeposited Soils: YES - GAS LINE TRENCH
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

NOTES: AM - PM CLEAN & Pump Out NEW GAS LINE TRENCH
According to RAJA, STEVE in AM only GAS LINE TRENCHING today - EVERYthing ELSE Cleaning up or Backfill.
~ 2 PM Will & Rod Cleaned up NEW GAS LINE TRENCH AREA - Told me they had CONFINED SPACE TRAINING for the REST of the AFTERNOON. I informed DAVID FRANDSEN. He confirmed that NO OTHER EXCAVATIONS will take PLACE today, indicating this is According to JASON.

DAVID F. ✓
MAUREEN K. ✓
ANNETTE - JHA

Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 1-24-12 Monitor Name: Joseph Belk (7-5) on site

Weather Conditions: AM Clear & Cool slight breeze from West PM Warming, Cool breeze from NW
Hours on Site Not Worked and Reason: Ø
Work Location (Project Component): New Gas line - East End of Site; Rest of Site still cleaning up from Rain
Work Type (Machine): Excavator - Shovel
Depth of Excavation: NGL ~ EL 6.5 Sub Ex (Then fill with P-gravel to construction grade EL 7.0
Observed Native Soils (Stratigraphy): Yes - Gas line trench below ~ EL 9.5
Disturbed/Redeposited Soils: YES - above ~EL 9.5
Features:
Ø

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

Brick, Asfault @ ~ EL 7.0 Metal Strapping & Pipe ~~fragments from Above~~ EL 7.0 -
* Not Diagnostic, Context - Previous Trench Backfill.

modern construction debris MK

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

~~Not Significant - from Previous Trenching - within 2 ft on Either Side of A Capped 4" metal pipe~~

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling): Items Removed from the current back dirt so it will not Contaminate Future Backfilling

Notes: Only Cultural Material found is Industrial Debris mixed in with Previous N S oriented Trench Backfill. This was located in The First "Bell Hole" South of The Existing Plant And in the New Gas line.

David F. ✓
Maureen K. ✓

Richard Serrano = JHA

Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 1-25-12 Monitor Name: Joseph Belk (7-5) on site

Weather Conditions: AM cool ~55°, clear & sunny, few high clouds PM WARM ~65° cool breeze from NW
Hours on Site Not Worked and Reason: Ø
Work Location (Project Component): Duct Bank's U & V, NEW GAS line
Work Type (Machine): Excavator & Shovel
Depth of Excavation: Gas Line EL 6½
Observed Native Soils (Stratigraphy): YES; NEW GAS LINE below EL 9½
Disturbed/Redeposited Soils: YES
Features:

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, stratigraphic context.):
~~Industrial debris Iron & Tremolite Pipes - First Bellhole South of Concrete Stack in NEW GAS line Trench. ~ 100' South of Concrete Stack~~
Modern construction debris
Not cultural discovery
MK

Assessment of Significance of Any Finds? (As recommended by the CRS):
~~Pipes & Debris Late Industrial - Not Significant~~

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling): Ø NONE

Notes: In the NEW GAS LINE TRENCH @ EL 5½ A Poss drain pipe oriented NW-SE Most likely abandoned due to the fact that it is cut on one end. This means that in this area (~1ft either side and above) the dirt is disturbed to at least EL 5½. Pipe removed to continue to grade @ EL 5½
Night Exca. begins tonight. Mostly clean up @ ~EL 10 in Duct Bank U/V

David F. ✓
Maureen K. ✓

I did JHA - Handed off to Annette for Night monitor

Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 1-26-12 Thurs. Monitor Name: Joseph Belk (on site 7-5)

Weather Conditions: AM cool & clear slight breeze from NW Clouds Rolled in & Passed PM WARM & CLEAR Wind from NW
Hours on Site Not Worked and Reason: Ø
Work Location (Project Component): Duct Bank T & V, NEW Gas line Trench
Work Type (Machine): Excavator - Shovel
Depth of Excavation: Gas line Trench - EL 6½ & 4½, DB T & V @ EL 5½
Observed Native Soils (Stratigraphy): YES: DB-T-Tanks below EL 7°
Disturbed/Redeposited Soils: YES: NEW GAS line - EW buried Services back fill / DB-T-Tanks Above EL 7½
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

NOTES: No NEW Excavation in GAS LINE TRENCH only hand Excavation Around Existing Pipe EW oriented. This dirt is backfill.
Duck Bank T - Excavations to EL 5½

Duck Bank V - Clean out of TRENCH cut A WEEK AGO - EL 7½
- No Cultural Material observed in any Trenches -

David F. ✓
Maureen K.

ANNETTE = JHA

Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 1-27-12 FRI Monitor Name: Joseph Belk (7-4) on site

Weather Conditions: AM CLEAR & cool w slight BREEZE Direction NO CLEAR PM
Hours on Site Not Worked and Reason: Ø
Work Location (Project Component): NEW GAS LINE; Duct BANK T SE of TANKS, DB-V CLEAN up PREVIOUS TRENCH
Work Type (Machine): EXCAVATOR & Shovel
Depth of Excavation: DB-T to EL 5ft; DB-V to ~5ft
Observed Native Soils (Stratigraphy): YES: below ~EL-8ft
Disturbed/Redeposited Soils: YES: above ~EL 8ft
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

Notes: DB-V was mostly CLEAN up from LAST WKENDS RAIN. VERY little NEW dirt (in NATIVE deposits) was disturbed - NO Cultural MATERIAL observed
DB-T on the other hand (SE of TANKS) was SUBEXCAVATED to EL-4ft just into OR on top of the first DK BROWN LAYER. THEN two TRENCHES INSIDE this SUBEX WERE dug to EL-5ft.
NO Cultural MATERIAL observed

David F. ✓
MAUREEN K. ✓

JHA-JMB

Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 1-28-12 SAT Monitor Name: Joseph Belk - (ON SITE 7-3:30)

Weather Conditions: AM cold & Clear slight Breeze PM Warming with slight Breeze
Hours on Site Not Worked and Reason: Ø
Work Location (Project Component): Duct Bank-T Around Pile South of Tanks
Work Type (Machine): Excavator - Shove
Depth of Excavation: Sub Ex ~ EL-12' ; Trench to EL-7'
Observed Native Soils (Stratigraphy): Yes! Below EL-8'
Disturbed/Redeposited Soils: Yes! Above ~ EL-8'
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):
Yes: Photos of Excavations that Took Place between 4 PM & 5 PM (to EL-12')

AM
NOTES: Excavation to EL-12' Around Pile Layout South of tank First Rows from Eastern Side. Then one deeper trench to EL-7' through the first identified dk brown layer.
PM
Excavation connecting two parts of DB-T from EL 5' to EL 7' (1' up for every 2' of distance

No Cultural Material Observed

David F. ✓
Maureen K. ✓

JHA = R.S.

Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 1-30-12 MON Monitor Name: Joseph Belk (7 on site -5)

Weather Conditions: AM Clear & Cool Breeze PM Cloud increase
Hours on Site Not Worked and Reason: Ø
Work Location (Project Component): Duct Bank T-Tanks; DB-V & New Gas Line Trench
Work Type (Machine): Excavator - Shovel
Depth of Excavation: DB-T min EL 5± and Pbs deeper
Observed Native Soils (Stratigraphy): YES; DB-T Tanks, DB-V Below ~EL 7±
Disturbed/Redeposited Soils: YES; DB-T, DB-V, Above ~EL 7± & New Gas line - old Trench Backfill
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

Notes; No Cultural Material Observed

David F. ✓
Maureen K. ✓

JHA = JmBelk

Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 1-31-12 Tues Monitor Name: Joseph Belk (on site 7-6)

Weather Conditions: Am cool, hi Clouds & cool wind from WNW pm warm with cool wind from NNS
Hours on Site Not Worked and Reason: Ø
Work Location (Project Component): Duct Bank-T, NEW GAS LINE AND Elec Sev Trench to NEW Warehouse
Work Type (Machine): Excavator - Shovel
Depth of Excavation: DB-T EL 82 & 75 -
Observed Native Soils (Stratigraphy): YES: DB-T below EL 79; New Gas Line below old Pipes (Warehouse Ele Svr Trench)
Disturbed/Redeposited Soils: YES: DB-T Above EL 79, New Gas Line Above old Pipes, Warehouse Ele Trench
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

NOTES: New Gas line Trench ~150'-200' South of Units 6 & 7 Stack, Industrial Debris in Old Pipe Trench and undisturbed dirt below Pipe that is devoid of Cultural Evidance.

Duct Bank-T Around West Most Pile Cluster to EL 82 & 75. No Cultural Evidance observed.

Warehouse Elec Svr Trench - Surface to ~1' Disturbed Redeposits, ~1' to 2' what appears to be undisturbed Native Sands. No Cultural Evidance observed.

David F. ✓
Maureen K. ✓

JHA = R. Searank

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 : January 25, 2012
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.

TSE-5-10.0 (CBO-0528)
Approved

MECH-1-18.0 (CBO-0525)
Approved

MECH-1-35.0 (CBO-0510)
Reviewed for Reference Only

ELEC-1-21.1 (CBO-0511)
Reviewed for Reference Only

MECH-1-38.0 (CBO-0529)
Reviewed for Reference Only

FOR

Deborah Sandercock, S.E.
Supervising Structural Engineer

Marie Taylor
Supervising Building Inspector

Gary Faria
Senior Grading Inspector

Marsh Landing - CBO Transmittal Report

Title ELEC-1-21.1 **CBO-0511** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Doc	480V SWBD Circuits		Marsh Landing 480V Circuit Schedule	MT		1/25/2012	Reviewed for Reference Only

Title MECH-1-18.0 **CBO-0525** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-0INA6034-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6024-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6025-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6026-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6027-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6028-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6031-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6035-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6036-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6041-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved

Drawing	2009-019-0INA6042-1 rev0	Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6047-1 rev0	Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6113-1 rev0	Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6029-1 rev0	Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved

Title MECH-1-35.0 **CBO-0510** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-PS-560 rev0		Piping and Instrumentation Diagram INA - Instrument Air	MT		1/25/2012	Reviewed for Reference Only
Drawing	2009-019-PS-562 rev0		Piping and Instrumentation Diagram INA - Instrument Air	MT		1/25/2012	Reviewed for Reference Only
Drawing	2009-019-PS-561 rev0		Piping and Instrumentation Diagram INA - Instrument Air	MT		1/25/2012	Reviewed for Reference Only

Title MECH-1-38.0 **CBO-0529** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-PS-950 rev0		Piping and Instrumentation Diagram SDR - Sanitary Drains	MT		1/25/2012	Reviewed for Reference Only

Title TSE-5-10.0 **CBO-0528** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-PDS-735 rev0		Switchyard Building Foundation and Details	DS	1/25/2012	1/25/2012	Approved
Calcs	1057-SF-01 Rev 0		Switchyard Building Foundation Calc	DS	1/25/2012	1/25/2012	Approved

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	VENDOR DOC SENT TO CBO		
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																		
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			
	DE1RESUME - DESING ENGINEER RESUME- JOE MAZZEO					10/31/11									11/10/11			
	SE4RESUME -STRUCTURAL ENGINEER - REID STRAIN					12/14/11			12/16/11									
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			
	RYAN DOYEL - RESUME	Resume				09/19/11									09/27/11			
	DENISE CORKILL - CERTS	Resume				09/19/11									09/27/11			
	DENISE CORKILL - RESUME	Resume				09/19/11									09/27/11			
	JAY LOCATELLI CERT	Resume				09/19/11									09/27/11			
	JAY L AWS CWI CERT	Resume				09/19/11									09/27/11			
	MICAH EK CERT	Resume				09/19/11									09/27/11			
	JEFF BROOKS	Resume				09/19/11									09/27/11			
	JASON BURRIS CERT	Resume				09/19/11									09/27/11			
	33.G.103-S1	Resume				09/19/11									09/27/11			
	LAURA JOHNSON CERT	Resume				09/19/11									09/27/11			
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	01/12/11	02/25/11	02/18/11	03/10/11			02/16/11	03/18/11	03/21/11		07/01/11	11/18/11			
	GRADING PLAN	Drawing	CG-019	01/12/11	02/25/11	02/18/11	03/10/11			02/16/11	03/18/11	03/21/11		12/16/11	01/10/12			
	GRADING PLAN	Drawing	CG-020	01/12/11	02/25/11	02/18/11	03/10/11			02/16/11	03/18/11	03/21/11		12/16/11	01/10/12			
	GRADING PLAN	Drawing	CG-021	01/12/11	02/25/11	02/18/11	03/10/11			02/16/11	03/18/11	03/21/11		12/16/11	01/10/12			
	GRADING PLAN	Drawing	CG-027	01/12/11	02/25/11	02/18/11	03/10/11			02/16/11	03/18/11	03/21/11		12/16/11	01/10/12			
	GRADING PLAN	Drawing	CG-028	01/12/11	02/25/11	02/18/11	03/10/11			02/16/11	03/18/11	03/21/11		12/16/11	01/10/12			
	GRADING PLAN	Drawing	CG-029	01/12/11	02/25/11	02/18/11	03/10/11			02/16/11	03/18/11	03/21/11		12/16/11	01/10/12			
	GRADING PLAN	Drawing	CG-030	01/12/11	02/25/11	02/18/11			03/10/11	02/16/11	03/18/11	03/21/11		12/16/11	01/10/12			
	GRADING PLAN	Drawing	CG-035	01/12/11	02/25/11	02/18/11	03/10/11			02/16/11	03/18/11	03/21/11		12/16/11	01/10/12			
	GRADING PLAN	Drawing	CG-036	01/12/11	02/25/11	02/18/11	03/10/11			02/16/11	03/18/11	03/21/11		12/16/11	01/10/12			
	GRADING PLAN	Drawing	CG-037	01/12/11	02/25/11	02/18/11	03/10/11			02/16/11	03/18/11	03/21/11		12/16/11	01/10/12			
	GRADING PLAN	Drawing	CG-043	01/12/11	02/25/11	02/18/11	03/10/11			02/16/11	03/18/11	03/21/11		12/16/11	01/10/12			
	GRADING PLAN	Drawing	CG-044	01/12/11	02/25/11	02/18/11	03/10/11			02/16/11	03/18/11	03/21/11		12/16/11	01/10/12			
	EROSION CONTROL KEY PLAN	Drawing	CM-008	01/28/11	01/18/11	02/18/11	03/10/11			03/04/11	03/18/11	03/23/11		05/20/11	11/18/11			
	EROSION CONTROL KEY PLAN	Drawing	CM-009									03/23/11		05/06/11	11/18/11			
	POND & DITCH SECTION	Drawing	CX-001									03/21/11		05/06/11	11/18/11			
	~~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						4/6/2011			
	URS MLGS EARTHWORK	LETTER	URS LETTER			5/31/2011	6/17/2011	6/24/2011	7/1/2011						11/18/2011			
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	9/27/2011			
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		9/23/2011	11/18/2011			
	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		9/23/2011	11/18/2011			

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	VENDOR DOC SENT TO CBO		
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			
CIVIL-1-7.1	JENSEN PRECAST 5000PSI F!C CONCRETE MIX DESIGN		LOCKFORD 5000PSI			05/19/11		08/12/11							9/8/2011			
	JENSEN PRECAST 5000PSI		JENSEN			05/19/11		08/12/11							9/8/2011			
	MANHOLE JOINT SEALANT		MANHOLE			05/19/11		08/12/11							9/8/2011			
	BOOT CONNECTORS		BOOT			05/19/11		08/12/11							9/8/2011			
	48" DIA SDMH #301		ALT BID 48 SDMH			05/19/11		08/12/11							9/8/2011			
	N-12 WT IB PIPE (PER ASTM F2648)		ADS N12			05/19/11		08/12/11							9/8/2011			
	D&L PART # A-1024		A-1024			05/19/11		08/12/11							9/8/2011			
	36X36X36 - REBAR DWG		36 X 36 X 36					08/12/11							9/8/2011			
	48 MH 4 INCH REBAR		48 MH 4					08/12/11							9/8/2011			
	48" DIA SDMH #302		48 #302					08/12/11							9/8/2011			
	DRAIN INLET #303 - STRUCTURE DETAIL DWG		DRAIN INLET					08/12/11							9/8/2011			
	DRAINAGE SUBMITTAL DRWGS - MARSH LANDING		DRAINAGE					08/12/11							9/8/2011			
	NPC CORE AND SEAL BOOTS		NPC					08/12/11							9/8/2011			
	R-3561 F & G		R-3561					08/12/11							9/8/2011			
	~~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	12/7/2011			
	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	12/7/2011			
	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	12/7/2011			
	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	12/7/2011			
	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	12/7/2011			
	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	12/7/2011			
	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	12/7/2011			
	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	12/7/2011			
	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	12/7/2011			
	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	12/7/2011			
	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	12/7/2011			
	SITE PLAN	Drawing	CS-044											7/1/2011	12/7/2011			
	SITE DETAILS	Drawing	CD-001	1/26/2011	3/10/2011	2/25/2011				3/3/2011	3/25/2011	3/25/2011		10/27/2011	12/7/2011			
	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	11/18/2011			
~~**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		9/23/2011	11/18/2011			
	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		9/23/2011	11/18/2011			
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		10/27/2011	11/18/2011			
	STORM WATER DETAILS	Drawing	CD-017				3/10/2011			3/3/2011	3/21/2011	3/21/2011		9/23/2011	11/18/2011			
CIVIL-1-10.1	STORM WATER DETAILS	Drawing	CD-018			09/23/11									11/18/2011			
	EXISTING CULVERT TIE-IN EVALUATION	CALC	910R-08			09/29/11									11/18/2011			
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		12/16/2011	1/10/2012			
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			9/23/2011	11/18/2011			
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		9/23/2011	12/7/2011			
	SURFACING PLAN	Drawing	CM-024									5/6/2011		7/1/2011	11/18/2011			
CIVIL-1-13.1	TYPICAL BIORETENTION FACILITY DETAILS	Drawing	CD-025									5/20/2011		6/28/2011	11/18/2011			
	BIORETENTION FACILITY SURFACING PLAN - FM APPROVAL NECESSARY	Drawing	CM-025									5/20/2011		6/28/2011	11/18/2011			
CIVIL-1-14.0	STORM WATER CONTROL PLAN	MISC	C-02			2/18/2011	3/15/2011				3/18/2011	3/23/2011		10/27/2011	11/18/2011			
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	11/18/2011			
CIVIL-1-16.0	OPERATIONS AND MAINTENANCE PLAN	MISC										01/20/12						

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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		10/10/2011	10/12/2011			
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-1-3.2	ELECTRICAL TESTING	SPEC	896			11/14/2011									11/16/2011			
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		11/4/2011	11/16/2011			
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		11/4/2011	11/16/2011			
	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		11/4/2011	11/16/2011			
	ELECTRICAL GROUNDING LAYOUT- SCR AND CTG 4 AREA	DRWG	EG-240			07/11/11			7/25/2011			8/16/2011		11/4/2011	11/16/2011			
ELEC-1-4.2	ELECTRICAL SWITCHYARD EQUIPMENT GROUNDING DETAILS	DRWG	EG-903			11/29/11									12/12/2011			
ELEC-1-5.0	ELECTRICAL COMMODITY SPECIFICATION	Spec	805	7/22/2011	4/13/2011	4/13/2011			5/5/2011					11/16/2011	11/29/2011			
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	1/11/2011	12/7/2011			
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		11/4/2011	11/16/2011			
	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			8/24/2011			
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			1/19/2012			1/31/2012			
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		12/16/2011	12/30/2011			
	ELECTRICAL EMBEDDED CONDUIT LAYOUT TYPICAL CTG CONDUIT ELEVATION 14'-2"		EC-960B									7/15/2011		12/16/2011	12/30/2011			
	ELECTRICAL EMBEDDED CONDUIT LAYOUT TYPICAL CTG CONDUIT ELEVATION 13'-7"		EC-960C									7/15/2011		12/16/2011	12/30/2011			
	ELECTRICAL EMBEDDED CONDUIT LAYOUT TYPICAL CTG CONDUIT ELEVATION 11'-0", 10'-4 1/2" AND 9'-9"		EC-960D									7/15/2011		12/16/2011	12/30/2011			
ELEC-1-9.1	ELECTRICAL EMBEDDED CONDUIT LAYOUT WATER TREATMENT AREA	DRWG	EC-020			8/31/2011						8/31/2011		11/4/2011	11/16/2011			
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		10/10/2011	10/12/2011			
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		10/10/2011	10/12/2011			
	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		10/10/2011	10/12/2011			
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	10/13/2011			10/18/2011			
ELEC-1-12.0	OVERALL ONE-LINE DIAGRAM	DRWG	EO-001	9/28/2011						12/30/2011	12/30/2011	10/13/2011			11/2/2011			
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	10/13/2011			11/2/2011			
	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	10/13/2011			11/2/2011			
	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	10/13/2011			11/2/2011			
	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	10/13/2011			11/2/2011			

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	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	10/13/2011			11/2/2011			
ELEC-1-12.2	ELECTRICAL ONE-LINE DIAGRAM SWGR-5KV-001	DRWG	EO-007	9/28/2011						12/30/2011	12/30/2011	10/13/2011			11/2/2011			
	ELECTRICAL ONE-LINE DIAGRAM MCC-5KV-001A	DRWG	EO-008	9/28/2011						12/30/2011	12/30/2011	10/13/2011			11/2/2011			
	ELECTRICAL ONE-LINE DIAGRAM MCC-5KV-001B	DRWG	EO-009	9/28/2011						12/30/2011	12/30/2011	10/13/2011			11/2/2011			
	ELECTRICAL ONE LINE DIAGRAM MV SWITCHGEAR/MCC O-5KV-SWG-02	DRWG	EO-011A	9/28/2011						12/30/2011	12/30/2011	10/13/2011			11/2/2011			
	ELECTRICAL ONE LINE DIAGRAM MV SWITCHGEAR/MCC O-5KV-SWG-02	DRWG	EO-011B	9/28/2011						12/30/2011	12/30/2011	10/13/2011			11/2/2011			
	ELECTRICAL ONE LINE DIAGRAM MV SWITCHGEAR/MCC O-5KV-SWG-02	DRWG	EO-011C	9/28/2011						12/30/2011	12/30/2011	10/13/2011			11/2/2011			
	ELECTRICAL ONE LINE DIAGRAM 480V SWITCHBOARD O-BOP-SWBD-11 & 0-BOP-SWBD-21	DRWG	EO-012	9/28/2011						12/30/2011	12/30/2011	10/13/2011			11/2/2011			
	ELECTRICAL ONE LINE DIAGRAM 480V SWITCHBOARD O-BOP-SWBD-12 & 0-BOP-SWBD-22	DRWG	EO-013	9/28/2011						12/30/2011	12/30/2011	10/13/2011			11/2/2011			
	ELECTRICAL ONE LINE DIAGRAM LV MOTOR CONTROL CENTER O-BOP-MCC-121	DRWG	EO-014A	9/28/2011						12/30/2011	12/30/2011	10/13/2011			11/2/2011			
	ELECTRICAL ONE LINE DIAGRAM LV MOTOR CONTROL CENTER O-BOP-MCC-121	DRWG	EO-014B	9/28/2011						12/30/2011	12/30/2011	10/13/2011			11/2/2011			
	ELECTRICAL ONE LINE DIAGRAM LV MOTOR CONTROL CENTER O-BOP-MCC-221	DRWG	EO-015A	9/28/2011						12/30/2011	12/30/2011	10/13/2011			11/2/2011			
	ELECTRICAL ONE LINE DIAGRAM LV MOTOR CONTROL CENTER O-BOP-MCC-221	DRWG	EO-015B	9/28/2011						12/30/2011	12/30/2011	10/13/2011			11/2/2011			
	ELECTRICAL ONE LINE DIAGRAM SWITCHBOARD 11/21 PANELBOARD SCHEDULE	DRWG	EO-016	9/28/2011						12/30/2011	12/30/2011	10/13/2011			11/2/2011			
	ELECTRICAL ONE LINE DIAGRAM SWITCHBOARD 12/22 PANELBOARD SCHEDULE	DRWG	EO-017	9/28/2011						12/30/2011	12/30/2011	10/13/2011			11/2/2011			
	ELECTRICAL ONE-LINE DIAGRAM 480V MCC-CTG-401	DRWG	EO-018	9/28/2011						12/30/2011	12/30/2011							
	ELECTRICAL ONE-LINE DIAGRAM 480V MCC-CTG-402	DRWG	EO-019	9/28/2011						12/30/2011	12/30/2011							
	ELECTRICAL ONE-LINE DIAGRAM 480V MCC-WT-001A	DRWG	EO-020	9/28/2011						12/30/2011	12/30/2011	12/29/2011	1/10/2012					
	ELECTRICAL ONE-LINE DIAGRAM 480V MCC-WT-001B	DRWG	EO-021	9/28/2011						12/30/2011	12/30/2011	12/29/2011	1/10/2012					
	ELECTRICAL ONE LINE DIAGRAM LV MOTOR CONTROL CENTER 1-CTG-MCC-13	DRWG	EO-022A	9/28/2011						12/30/2011	12/30/2011	1/17/2012			1/31/2012			
	ELECTRICAL ONE LINE DIAGRAM LV MOTOR CONTROL CENTER 1-CTG-MCC-13	DRWG	EO-022B	9/28/2011						12/30/2011	12/30/2011	1/17/2012			1/31/2012			
	ELECTRICAL ONE LINE DIAGRAM LV MOTOR CONTROL CENTER 2-CTG-MCC-14	DRWG	EO-023A	9/28/2011						12/30/2011	12/30/2011	1/17/2012			1/31/2012			
	ELECTRICAL ONE LINE DIAGRAM LV MOTOR CONTROL CENTER 2-CTG-MCC-14	DRWG	EO-023B	9/28/2011						12/30/2011	12/30/2011	1/17/2012			1/31/2012			
	ELECTRICAL ONE LINE DIAGRAM LV MOTOR CONTROL CENTER 3-CTG-MCC-23	DRWG	EO-024A	9/28/2011						12/30/2011	12/30/2011	1/17/2012			1/31/2012			
	ELECTRICAL ONE LINE DIAGRAM LV MOTOR CONTROL CENTER 3-CTG-MCC-23	DRWG	EO-024B	9/28/2011						12/30/2011	12/30/2011	1/17/2012			1/31/2012			
	ELECTRICAL ONE LINE DIAGRAM LV MOTOR CONTROL CENTER 4-CTG-MCC-24	DRWG	EO-025B	9/28/2011						12/30/2011	12/30/2011	1/17/2012			1/31/2012			
	ELECTRICAL ONE LINE DIAGRAM LV MOTOR CONTROL CENTER 4-CTG-MCC-24	DRWG	EO-025B	9/28/2011						12/30/2011	12/30/2011	1/17/2012			1/31/2012			
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		11/4/2011	11/16/2011			
	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		10/10/2011	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		11/28/2011	12/12/2011			
	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		11/28/2011	12/12/2011			
	ELECTRICAL GROUNDING LAYOUT- GSU 4 AND SWITCHYARD AREA	DRWG	EG-340			7/11/2011			7/25/2011			8/16/2011		11/28/2011	12/12/2011			
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								
	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								

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	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		11/7/2011	11/15/2011			
	ELECTRICAL DUCT BANK LAYOUT - YARD AREA	DRWG	ED-010			6/6/2011			6/15/2011			8/3/2011		12/19/2011	12/30/2011			
	ELECTRICAL DUCT BANK LAYOUT - WATER TREATMENT AREA	DRWG	ED-020			6/6/2011			6/15/2011			8/3/2011		12/19/2011	12/30/2011			
	ELECTRICAL DUCT BANK LAYOUT - YARD AREA	DRWG	ED-030			6/6/2011			6/15/2011			8/3/2011		12/19/2011	12/30/2011			
	ELECTRICAL DUCT BANK LAYOUT - AMMONA STORAGE AREA	DRWG	ED-110			6/6/2011			6/15/2011			8/3/2011		12/19/2011	12/30/2011			
	ELECTRICAL DUCT BANK LAYOUT ADMINISTRATION AND CONTROL BUILDINGS, STACKS 1 AND 2	DRWG	ED-120			6/6/2011			6/15/2011			8/3/2011		12/19/2011	12/30/2011			
	ELECTRICAL DUCT BANK LAYOUT FUEL GAS AND STACKS 2 AND 3 AREAS	DRWG	ED-130			6/6/2011			6/15/2011			8/3/2011		12/19/2011	12/30/2011			
	ELECTRICAL DUCT BANK LAYOUT STACK 4 AND YARD AREA	DWG	ED-140			6/6/2011			6/15/2011			8/3/2011		11/7/2011	11/15/2011			
	ELECTRICAL DUCT BANK LAYOUT GSU 1 AND 2 AND SWITCHYARD AREA	DRWG	ED-320			6/6/2011			6/15/2011			8/12/2011		12/19/2011	12/30/2011			
	ELECTRICAL DUCT BANK LAYOUT GSU 2 AND 3 AND SWITCHYARD AREA	DRWG	ED-330			6/6/2011			6/15/2011			8/12/2011		12/19/2011	12/30/2011			
	ELECTRICAL DUCT BANK LAYOUT GSU 4 AND SWITCHYARD AREA	DWG	ED-340			6/6/2011			6/15/2011			8/12/2011		12/19/2011	12/30/2011			
	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		12/19/2011	12/30/2011			
	ELECTRICAL DUCT BANK DETAILS SFC/SEE PACKAGE 03 AND 04	DRWG	ED-903			6/6/2011			6/15/2011			8/12/2011		12/19/2011	12/30/2011			
	ELECTRICAL DUT BANK LAYOUT FUEL GAS COMPRESSOR AREA	DRWG	ED-904									8/3/2011		11/7/2011	11/15/2011			
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		12/19/2011	12/30/2011			
	ELECTRICAL DUCT BANK LAYOUT - CTG 3 AND 4 AREA	DRWG	ED-230		5/31/2011	6/6/2011			6/15/2011			8/3/2011		12/19/2011	12/30/2011			
	ELECTRICAL DUCT BANK LAYOUT- SCR/CTG 4 AREA	DRWG	ED-240			06/06/11			6/15/2011			8/3/2011		12/19/2011	12/30/2011			
ELEC-1-17.4	ELECTRICAL DUCT BANK LAYOUT - DEAD END TOWER AREA	DRWG	ED-440			11/11/2011												
	ELECTRICAL DUCT BANK LAYOUT - DEAD END TOWER AREA	DRWG	ED-450			11/11/2011												
	ELECTRICAL DUCT BANK LAYOUT SWITCHYARD AREA	DRWG	ED-905						11/16/2011									
~~**ELEC-1-17.5**~~	~~ELECTRICAL DUCT BANK LAYOUT - GSU 1 AREA~~	~~DRWG~~	~~ED-310~~															
ELEC-1-18.0	ACB ELECTRICAL PERMIT	V DWG	ACB ELECTRICAL									11/3/2011	11/29/11					
ELEC-1-19.0	FGCB ELECTRICAL PERMIT	V DWG	E-000									11/3/2011			11/15/11			
ELEC-1-20.0	WWB ELECTRICAL PERMIT	V DWG	E-000										11/18/11					
ELEC-1-21.0	5KV CIRCUIT SCHEDULE	Misc										11/29/11			12/12/11			
	5KV - ISSUE 1	Misc										11/29/11			12/12/11			
ELEC-1-21.1	CIRCUIT LIST - 480V BOP SWITCHBOARD	Misc										01/04/11			01/25/12			
	480V -ISSUE 2	Misc										01/04/11			01/25/12			
ELEC-1-23.0	ELECTRICAL CABLE RACKING LAYOUT - 5KV VAULT		EW-910			01/17/12			01/31/12									
	ELECTRICAL CABLE RACKING LAYOUT - BOP VAULT		EW- 911			01/17/12			01/31/12									
ELEC-1-24.0	TUBING SUPPORT LAYOUT	DRWG	ET-900									01/23/12						
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			12/1/2011				10/15/11	10/15/11		12/14/2011					
MECH-1-4.0	UG FIREWATER LOOP	Spec	531							07/27/11	08/03/11	9/12/2011			9/21/2011	still need FM		
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			

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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 AQA - AQUEOUS AMMONIA	DRWG	4AQA4001-1			2/10/2012				12/08/11	12/08/11							
	SMALL BORE FABRICATION ISOMETRIC AQA - AQUEOUS AMMONIA	DRWG	3AQA3001-1			2/10/2012				12/08/11	12/08/11							
	SMALL BORE FABRICATION ISOMETRIC AQA - AQUEOUS AMMONIA	DRWG	2AQA2001-1			2/10/2012				12/08/11	12/08/11							
	SMALL BORE FABRICATION ISOMETRIC AQA - AQUEOUS AMMONIA	DRWG	1AQA1001-1			2/10/2012				12/08/11	12/08/11							
	SMALL BORE FABRICATION ISOMETRIC AQA - AQUEOUS AMMONIA	DRWG	0AQA6029-1			2/10/2012				12/08/11	12/08/11							
	SMALL BORE FABRICATION ISOMETRIC AQA - AQUEOUS AMMONIA	DRWG	0AQA6028-1			2/10/2012				12/08/11	12/08/11							
	SMALL BORE FABRICATION ISOMETRIC AQA - AQUEOUS AMMONIA	DRWG	0AQA6016-1			2/10/2012				12/08/11	12/08/11							
	SMALL BORE FABRICATION ISOMETRIC AQA - AQUEOUS AMMONIA	DRWG	0AQA6012-1			2/10/2012				12/08/11	12/08/11							
	SMALL BORE FABRICATION ISOMETRIC AQA - AQUEOUS AMMONIA	DRWG	0AQA6010-1			2/10/2012				12/08/11	12/08/11							
	SMALL BORE FABRICATION ISOMETRIC AQA - AQUEOUS AMMONIA	DRWG	0AQA6006-1			2/10/2012				12/08/11	12/08/11							
	SMALL BORE FABRICATION ISOMETRIC AQA - AQUEOUS AMMONIA	DRWG	0AQA6001-1			2/10/2012												
MECH-1-7.0	MECHANICAL UNDERGROUND BUILDING PIPING WATER TREATMENT	DRWG	BP-001A	07/27/11	07/27/11					09/07/11	09/07/11	11/1/2011			11/10/2011			
	~~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 CTP - COMBUSTION TURBINE PIPING	DRWG	1CTP1013	08/25/11	08/25/11					09/27/11	09/27/11	12/5/2011			12/14/2011			
	LARGE BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	2CTP2013	08/25/11	08/25/11					09/27/11	09/27/11	12/5/2011			12/14/2011			
	LARGE BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	3CTP3013	08/25/11	08/25/11					09/27/11	09/27/11	12/5/2011			12/14/2011			
	LARGE BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	4CTP4013	08/25/11	08/25/11					09/27/11	09/27/11	12/5/2011			12/14/2011			
	LARGE BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	0CTP6001	08/25/11	08/25/11					09/27/11	09/27/11	12/5/2011			12/14/2011			
	LARGE BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	4CTP4014-1	08/25/11	08/25/11					09/27/11	09/27/11	12/5/2011			12/14/2011			
	LARGE BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	3CTP3014-1	08/25/11	08/25/11					09/27/11	09/27/11	12/5/2011			12/14/2011			
	LARGE BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	2CTP2014-1	08/25/11	08/25/11					09/27/11	09/27/11	12/5/2011			12/14/2011			
	LARGE BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	1CTP1014-1	08/25/11	08/25/11					09/27/11	09/27/11	12/5/2011			12/14/2011			
MECH-1-9.0	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	3CTP3002-1			2/1/2012				12/06/11	12/06/11							
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	1CTP1008-1			2/1/2012				12/06/11	12/06/11							
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	1CTP1009-1			2/1/2012				12/06/11	12/06/11							
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	1CTP1011-1			2/1/2012				12/06/11	12/06/11							
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	1CTP1012-1			2/1/2012				12/06/11	12/06/11							
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	1CTP1015-1			2/1/2012				12/06/11	12/06/11							
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	2CTP2002-1			2/1/2012				12/06/11	12/06/11							
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	2CTP2003-1			2/1/2012				12/06/11	12/06/11							
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	2CTP2004-1			2/1/2012				12/06/11	12/06/11							
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	2CTP2009-1			2/1/2012				12/06/11	12/06/11							
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	1CTP1007-1			2/1/2012				12/06/11	12/06/11							
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	2CTP2012-1			2/1/2012				12/06/11	12/06/11							
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	4CTP4012-1			2/1/2012				12/06/11	12/06/11							
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	3CTP3003-1			2/1/2012				12/06/11	12/06/11							
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	3CTP3004-1			2/1/2012				12/06/11	12/06/11							
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	3CTP3009-1			2/1/2012				12/06/11	12/06/11							
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	3CTP3011-1			2/1/2012				12/06/11	12/06/11							
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	3CTP3012-1			2/1/2012				12/06/11	12/06/11							
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	4CTPP4001-1			2/1/2012				12/06/11	12/06/11							
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	4CTP4002-1			2/1/2012				12/06/11	12/06/11							

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	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	4CTP4003-1			2/1/2012				12/06/11	12/06/11							
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	4CTP4009-1			2/1/2012				12/06/11	12/06/11							
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	4CTP4011-1			2/1/2012				12/06/11	12/06/11							
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	2CTP2011-1			2/1/2012				12/06/11	12/06/11							
MECH-1-10.0	LARGE BORE FABRICATION ISOMETRIC DWS - DEMENERALIZED WATER	DRWG	0DWS6006-1									12/8/2011			12/14/2011			
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMENERALIZED WATER	DRWG	0DWS6007-1									12/8/2011			12/14/2011			
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMENERALIZED WATER	DRWG	0DWS6013-1									12/8/2011			12/14/2011			
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMENERALIZED WATER	DRWG	DWS100-1	11/11/11	11/11/11					12/14/11	12/14/11							
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMENERALIZED WATER	DRWG	DWS101-1	11/11/11	11/11/11					12/14/11	12/14/11							
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMENERALIZED WATER	DRWG	DWS102-1	11/11/11	11/11/11					12/14/11	12/14/11							
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMENERALIZED WATER	DRWG	DWS103-1	11/11/11	11/11/11					12/14/11	12/14/11							
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMENERALIZED WATER	DRWG	DWS104-1	11/11/11	11/11/11					12/14/11	12/14/11							
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMENERALIZED WATER	DRWG	DWS105-1	11/11/11	11/11/11					12/14/11	12/14/11							
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMENERALIZED WATER	DRWG	DWS106-1	11/11/11	11/11/11					12/14/11	12/14/11							
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMENERALIZED WATER	DRWG	DWS107-1	11/11/11	11/11/11					12/14/11	12/14/11							
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMENERALIZED WATER	DRWG	DWS108-1	11/11/11	11/11/11					12/14/11	12/14/11							
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMENERALIZED WATER	DRWG	DWS109-1	11/11/11	11/11/11					12/14/11	12/14/11							
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMENERALIZED WATER	DRWG	DWS110-1	11/11/11	11/11/11					12/14/11	12/14/11							
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMENERALIZED WATER	DRWG	DWS111-1	11/11/11	11/11/11					12/14/11	12/14/11							
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMENERALIZED WATER	DRWG	DWS112-1	11/11/11	11/11/11					12/14/11	12/14/11							
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMENERALIZED WATER	DRWG	DWS113-1	11/11/11	11/11/11					12/14/11	12/14/11							
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMENERALIZED WATER	DRWG	DWS114-1	11/11/11	11/11/11					12/14/11	12/14/11							
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMENERALIZED WATER	DRWG	DWS115-1	11/11/11	11/11/11					12/14/11	12/14/11							
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMENERALIZED WATER	DRWG	DWS116-1	11/11/11	11/11/11					12/14/11	12/14/11							
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMENERALIZED WATER	DRWG	DWS117-1	11/11/11	11/11/11					12/14/11	12/14/11							
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMENERALIZED WATER	DRWG	DWS118-1	11/11/11	11/11/11					12/14/11	12/14/11							
	LARGE BORE FABRICATION ISOMETRIC DWS - DEMENERALIZED 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 - DEMENERALIZED WATER	DRWG	DWS500-1							12/16/11	12/06/11							
	SMALL BORE FABRICATION ISOMETRIC DWS - DEMENERALIZED WATER	DRWG	DWS501-1							12/16/11	12/06/11							
	SMALL BORE FABRICATION ISOMETRIC DWS - DEMENERALIZED WATER	DRWG	DWS502-1							12/16/11	12/06/11							
	SMALL BORE FABRICATION ISOMETRIC DWS - DEMENERALIZED WATER	DRWG	DWS503-1							12/16/11	12/06/11							
MECH-1-12.0	LARGE BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6001-1	11/11/11	11/11/11					12/14/11	12/14/11	12/28/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6002-1	11/11/11	11/11/11					12/14/11	12/14/11	12/28/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6003-1	11/11/11	11/11/11					12/14/11	12/14/11	12/28/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6005-1	11/11/11	11/11/11					12/14/11	12/14/11	12/28/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6006-1	11/11/11	11/11/11					12/14/11	12/14/11	12/28/2011			1/10/2012			

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	LARGE BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6008-1	11/11/11	11/11/11					12/14/11	12/14/11	12/28/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6009-1	11/11/11	11/11/11					12/14/11	12/14/11	12/28/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6010-1	11/11/11	11/11/11					12/14/11	12/14/11	12/28/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6011-1	11/11/11	11/11/11					12/14/11	12/14/11	12/28/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6012-1	11/11/11	11/11/11					12/14/11	12/14/11	12/28/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6013-1	11/11/11	11/11/11					12/14/11	12/14/11	12/28/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6015-1	11/11/11	11/11/11					12/14/11	12/14/11	12/28/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6016-1	11/11/11	11/11/11					12/14/11	12/14/11	12/28/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6018-1	11/11/11	11/11/11					12/14/11	12/14/11	12/28/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6019-1	11/11/11	11/11/11					12/14/11	12/14/11	12/28/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6021-1	11/11/11	11/11/11					12/14/11	12/14/11	12/28/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	OSWT6022-1	11/11/11	11/11/11					12/14/11	12/14/11	12/28/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6024-1	11/11/11	11/11/11					12/14/11	12/14/11	12/28/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6025-1	11/11/11	11/11/11					12/14/11	12/14/11	12/28/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6026-1	11/11/11	11/11/11					12/14/11	12/14/11	12/28/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6028-1	11/11/11	11/11/11					12/14/11	12/14/11	12/28/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6036-1	11/11/11	11/11/11					12/14/11	12/14/11	12/28/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6040-1	11/11/11	11/11/11					12/14/11	12/14/11	12/28/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6046-1	11/11/11	11/11/11					12/14/11	12/14/11	12/28/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6054-1	11/11/11	11/11/11					12/14/11	12/14/11	12/28/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6058-1	11/11/11	11/11/11					12/14/11	12/14/11	12/28/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6060-1	11/11/11	11/11/11					12/14/11	12/14/11	12/28/2011			1/10/2012			
MECH-1-13.0	SMALL BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6057-1			2/1/2012												
	SMALL BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6051-1			2/1/2012												
	SMALL BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6035-1			2/1/2012				12/20/11	12/20/11							
	SMALL BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6029-1			2/1/2012				12/20/11	12/20/11							
	SMALL BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6023-1			2/1/2012				12/20/11	12/20/11							
	SMALL BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6017-1			2/1/2012				12/20/11	12/20/11							
MECH-1-14.0	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6001-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6002-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6003-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6004-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6006-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6008-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6009-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6010-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6011-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6012-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6013-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6014-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6015-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6016-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6020-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						

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	VENDOR DOC SENT TO CBO		
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6022-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6024-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6025-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6029-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6031-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6032-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6033-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6036-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6038-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6041-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6042-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6043-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6044-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6046-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6048-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6049-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6050-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6051-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6052-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6056-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6057-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6064-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6065-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6067-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6068-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	1FGS1003-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	1FGS1004-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	1FGS1009-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	1FGS1010-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	1FGS1012-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	2FGS2003-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	2FSG2004-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	2FGS2009-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	2FGS2010-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	2FGS2012-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	3FGS2003-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	3FSG2004-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	3FGS2009-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	3FGS2010-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	3FGS2012-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	4FGS2003-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	4FSG2004-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	4FGS2009-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	4FGS2010-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	4FGS2012-1	10/13/11	10/13/11					11/15/11	11/15/11	1/23/2012						
MECH-1-15.0	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG500-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG501-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG502-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG503-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG504-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG505-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG506-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG507-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG508-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG509-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG510-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG511-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG512-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG513-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG514-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG515-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG516-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG517-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG518-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG519-1							12/10/11	12/10/11							

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	VENDOR DOC SENT TO CBO		
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG520-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG521-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG522-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG523-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG524-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG525-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG526-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG527-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG528-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG529-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG530-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG531-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG532-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG533-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG534-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG535-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG536-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG537-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG538-1							12/10/11	12/10/11							
	SMALL BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	FLG539-1							12/10/11	12/10/11							
MECH-1-16.0	~~COLD LARGE BORE PIPE SUPPORT DIMENSIONAL DATA REPORT~~	~~DRWG~~	~~FPS-PSCL-1~~	~~08/16/11~~	~~08/16/11~~					~~09/19/11~~	~~09/19/11~~	~~10/31/2011~~						
	LARGE BORE FABRICATION ISOMETRIC FIRE PROTECTION	DRWG	0FPS6002-1	08/16/11	08/16/11					09/19/11	09/19/11	10/31/2011			12/14/2011			
	LARGE BORE FABRICATION ISOMETRIC FIRE PROTECTION	DRWG	0FPS6001-1	08/16/11	08/16/11					09/19/11	09/19/11	10/31/2011			12/14/2011			
	~~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-0000	09/24/11	09/24/11					11/05/11	11/05/11							
	GENERAL ARRANGEMENT	DRWG	GA-0110	09/24/11	09/24/11					11/05/11	11/05/11							
	GENERAL ARRANGEMENT	DRWG	GA-0120	09/24/11	09/24/11					11/05/11	11/05/11							
	GENERAL ARRANGEMENT	DRWG	GA-0130	09/24/11	09/24/11					11/05/11	11/05/11							
	GENERAL ARRANGEMENT	DRWG	GA-0210	09/24/11	09/24/11					11/05/11	11/05/11							
	GENERAL ARRANGEMENT	DRWG	GA-0220	09/24/11	09/24/11					11/05/11	11/05/11							
	GENERAL ARRANGEMENT	DRWG	GA-0230	09/24/11	09/24/11					11/05/11	11/05/11							
	GENERAL ARRANGEMENT	DRWG	GA-0240	09/24/11	09/24/11					11/05/11	11/05/11							
	GENERAL ARRANGEMENT	DRWG	GA-0320	09/24/11	09/24/11					11/05/11	11/05/11							
	GENERAL ARRANGEMENT	DRWG	GA-0330	09/24/11	09/24/11					11/05/11	11/05/11							
	GENERAL ARRANGEMENT	DRWG	GA-0340	09/24/11	09/24/11					11/05/11	11/05/11							
	GENERAL ARRANGEMENT	DRWG	GA-0420	09/24/11	09/24/11					11/05/11	11/05/11							
	GENERAL ARRANGEMENT	DRWG	GA-0430	09/24/11	09/24/11					11/05/11	11/05/11							
	GENERAL ARRANGEMENT	DRWG	GA-0440	09/24/11	09/24/11					11/05/11	11/05/11							
	GENERAL ARRANGEMENT	DRWG	GA-0450	09/24/11	09/24/11					11/05/11	11/05/11							
	GENERAL ARRANGEMENT	DRWG	GA-0460	09/24/11	09/24/11					11/05/11	11/05/11							
MECH-1-18.0	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	DRWG	0INA6024-1	09/13/11	09/13/11					10/17/11	10/17/11	1/10/2012			1/25/2012			
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	DRWG	0INA6025-1	09/13/11	09/13/11					10/17/11	10/17/11	1/10/2012			1/25/2012			
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	DRWG	0INA6026-1	09/13/11	09/13/11					10/17/11	10/17/11	1/10/2012			1/25/2012			
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	DRWG	0INA6027-1	09/13/11	09/13/11					10/17/11	10/17/11	1/10/2012			1/25/2012			
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	DRWG	0INA6028-1	09/13/11	09/13/11					10/17/11	10/17/11	1/10/2012			1/25/2012			
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	DRWG	0INA6029-1	09/13/11	09/13/11					10/17/11	10/17/11	1/10/2012			1/25/2012			
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	DRWG	0INA6034-1	09/13/11	09/13/11					10/17/11	10/17/11	1/10/2012			1/25/2012			
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	DRWG	0INA6035-1	09/13/11	09/13/11					10/17/11	10/17/11	1/10/2012			1/25/2012			
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	DRWG	0INA6036-1	09/13/11	09/13/11					10/17/11	10/17/11	1/10/2012			1/25/2012			
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	DRWG	0INA6041-1	09/13/11	09/13/11					10/17/11	10/17/11	1/10/2012			1/25/2012			
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	DRWG	0INA6042-1	09/13/11	09/13/11					10/17/11	10/17/11	1/10/2012			1/25/2012			
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	DRWG	0INA6047-1	09/13/11	09/13/11					10/17/11	10/17/11	1/10/2012			1/25/2012			
	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	DRWG	0INA6113-1	09/13/11	09/13/11					10/17/11	10/17/11	1/10/2012			1/25/2012			
	~~LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR~~	~~DRWG~~	~~0INA6096-1~~	~~09/13/11~~	~~09/13/11~~					10/17/11	10/17/11							
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	9/13/2011			
	MECHANICAL DETAILS VENTS & DRAINS	DRWG	MD-110	07/26/11	07/26/11					09/06/11	09/06/11	10/31/2011			11/10/2011			

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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		10/31/2011	11/10/2011			
~~**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	10/31/2011			11/9/2011			
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	10/28/2011			12/1/2011			
	PIPING AND INSTRUMENTATION DIAGRAM KPE DRAWING INDEX	DRWG	PS-001			7/7/2011				08/19/11	08/19/11	10/28/2011			12/1/2011			
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		10/28/2011			11/10/2011			
	PIPING AND INSTRUMENTATION DIAGRAM DRAWING LEGEND	DRWG	PS-011	06/10/11		7/7/2011			7/25/2011	08/19/11		10/28/2011			11/10/2011			
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	11/15/2011			11/30/2011			
	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	11/15/2011			11/30/2011			
	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	11/15/2011			11/30/2011			
	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	11/15/2011			11/30/2011			
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	11/22/2011			12/14/2011			
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	12/27/2011			1/10/2012			
	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	12/27/2011			1/10/2012			
	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	12/27/2011			1/10/2012			
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	11/17/2011			11/29/2011			
	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	11/17/2011			11/29/2011			
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	12/27/2011			1/10/2012			
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	12/5/2011			12/14/2011			
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									

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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	10/31/2011			12/14/2011			
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	11/22/2011			12/7/2011			
	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	11/22/2011			12/7/2011			
	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	11/22/2011			12/7/2011			
	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	11/22/2011			12/7/2011			
MECH-1-34.1	RO CIP SYSTEM	V DRWG	401-ME-0011-01			7/7/2011			7/28/2011									
	PROCESS AND INSTRUMENTATION DIAGRAM RO CLEANER ROC 50 PLUS SKID	V DRWG	401-PD-0020-01			7/7/2011			7/28/2011									
	PROCESS AND INSTRUMENTATION DIAGRAM RO CLEANER ROC 20PLUS SKID	V DRWG	401-PD-0018-01			7/7/2011			7/28/2011									
	PROCESS AND INSTRUMENTATION DIAGRAM CITRIC ACID CHEM. SKID	V DRWG	401-PD-0013-01			7/7/2011			7/28/2011									
	PROCESS AND INSTRUMENTATION DIAGRAM UF BLEACH SKID	V DRWG	401-PD-0014-01			7/7/2011			7/28/2011									
	PROCESS AND INSTRUMENTATION DIAGRAM UF DECHLORINATION SKID	V DRWG	401-PD-0015-01			7/7/2011			7/28/2011									
	PROCESS AND INSTRUMENTATION DIAGRAM BISULFITE CHEM FEED SKID	V DRWG	401-PD-0012-01			7/7/2011			7/28/2011									
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	1/4/2012			1/25/2012			
	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	1/4/2012			1/25/2012			
	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	1/4/2012			1/25/2012			
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	1/11/2012						
	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	1/11/2012						
	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	1/11/2012						
	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	1/11/2012						
	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	1/11/2012						
	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	1/11/2012						
	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	1/11/2012						
MECH-1-36.1	P AND ID	V DRWG	201-PD-0009-01			7/7/2011			7/28/2011									
	P ID	V DRWG	201-PD-0003-01			7/7/2011			7/28/2011									
	P AND ID - PROCESS	V DRWG	201-PD-0001-01			7/7/2011			7/28/2011									
	PID - PROCESS	V DRWG	201-PD-0007-01			7/7/2011			7/28/2011									
	PID - PROCESS	V DRWG	201-PD-0006-01			7/7/2011			7/28/2011									
	GAS TURBINE AUXILIARIES P AND ID	V DRWG	201-PD-0002-01			7/7/2011			7/28/2011									
	MECHANICAL PROCESS AND INSTRUMENTATION FLOW DIAGRAM FOR INDIRECT GAS FIRED WATER BATH HEATER	V DRWG	313-PD-0001-01			7/7/2011			7/28/2011									
	FUEL GAS COMPRESSOR DRAINS TANK FOUNDATION 0-FGS-TNK-01	V DRWG	551-ME-0001-01			7/7/2011			7/28/2011									
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	12/19/2011			12/30/2011			
	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	12/19/2011			12/30/2011			
MECH-1-37.1	21200 GALLON AQUEOUS AMMONIA STORAGE TANK	V DRWG	433-ME-0001-01			7/8/2011			7/28/2011									
	AQUEOUS AMMONIA FEED PUMP SKID PID	V DRWG	110-PD-0002-01			7/8/2011			7/28/2011									
	AQUEOUS AMMONIA FLOW CONTROL SKID PID	V DRWG	110-PD-0003-01			7/8/2011			7/28/2011									
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	9/15/2011	07/28/11	07/28/11	1/11/2012			1/25/2012			
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	11/16/2011			11/29/2011			
	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	11/16/2011			11/29/2011			
	PIPING AND INSTRUMENTATION DIAGRAM WDR - WASTEWATER DISPOSAL	DRWG	PS-962									11/16/2011			11/29/2011			
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	11/10/2011			11/30/2011			
	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	11/10/2011			11/30/2011			

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	VENDOR DOC SENT TO CBO		
MECH-1-41.0	LARGE BORE FABRICATION ISOMETRIC PWS - POTABLE WATER	DRWG	0PWS6001-1	10/26/11	10/26/11					11/28/11	11/28/11	12/29/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC PWS - POTABLE WATER	DRWG	0PWS6003-1	10/26/11	10/26/11					11/28/11	11/28/11	12/29/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC PWS - POTABLE WATER	DRWG	0PWS6019-1	10/26/11	10/26/11					11/28/11	11/28/11	12/29/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC PWS - POTABLE WATER	DRWG	0PWS6022-1	10/26/11	10/26/11					11/28/11	11/28/11	12/29/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC PWS - POTABLE WATER	DRWG	0PWS6024-1	10/26/11	10/26/11					11/28/11	11/28/11	12/29/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC PWS - POTABLE WATER	DRWG	0PWS6026-1	10/26/11	10/26/11					11/28/11	11/28/11	12/29/2011			1/10/2012			
	LARGE BORE FABRICATION ISOMETRIC PWS - POTABLE WATER	DRWG	0PWS6027-1	10/26/11	10/26/11					11/28/11	11/28/11	12/29/2011			1/10/2012			
															1/10/2012			
MECH-1-41.1	SMALL BORE FABRICATION ISOMETRIC PWS - POTABLE WATER	DRWG	0PWS6021-1			2/1/2012				01/05/12	01/05/12							
	SMALL BORE FABRICATION ISOMETRIC PWS - POTABLE WATER	DRWG	0PWS6020-1			2/1/2012				01/05/12	01/05/12							
	SMALL BORE FABRICATION ISOMETRIC PWS - POTABLE WATER	DRWG	0PWS6018-1			2/1/2012												
	SMALL BORE FABRICATION ISOMETRIC PWS - POTABLE WATER	DRWG	0PWS6005-1			2/1/2012												
	SMALL BORE FABRICATION ISOMETRIC PWS - POTABLE WATER	DRWG	0PWS6002-1			2/1/2012												
MECH-1-42.0	LARGE BORE FABRICATION ISOMETRIC RWS - RAW WATER	DRWG	0RWS6011-1	10/25/11	10/25/11					11/28/11	11/28/11	12/2/2011			12/14/2011			
	LARGE BORE FABRICATION ISOMETRIC RWS - RAW WATER	DRWG	0RWS6012-1	10/25/11	10/25/11					11/28/11	11/28/11	12/2/2011			12/14/2011			
	LARGE BORE FABRICATION ISOMETRIC RWS - RAW WATER	DRWG	ORWS6013-1	10/25/11	10/25/11					11/28/11	11/28/11	12/2/2011			12/14/2011			
	LARGE BORE FABRICATION ISOMETRIC RWS - RAW WATER	DRWG	0RWS6015-1	10/25/11	10/25/11					11/28/11	11/28/11	12/2/2011			12/14/2011			
	LARGE BORE FABRICATION ISOMETRIC RWS - RAW WATER	DRWG	0RWS6027-1	10/25/11	10/25/11					11/28/11	11/28/11							
	LARGE BORE FABRICATION ISOMETRIC RWS - RAW WATER	DRWG	0RWS6034-1	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	0SWS6005-1	10/04/11	10/04/11					11/07/11	11/07/11	11/23/2011			11/29/2011			
	LARGE BORE FABRICATION ISOMETRIC SWS - SERVICE WATER	DRWG	0SWS6015-1	10/04/11	10/04/11					11/07/11	11/07/11	11/23/2011			11/29/2011			
	LARGE BORE FABRICATION ISOMETRIC SWS - SERVICE WATER	DRWG	0SWS6016-1	10/04/11	10/04/11					11/07/11	11/07/11	11/23/2011			11/29/2011			
	LARGE BORE FABRICATION ISOMETRIC SWS - SERVICE WATER	DRWG	0SWS6018-1	10/04/11	10/04/11					11/07/11	11/07/11	11/23/2011			11/29/2011			
	LARGE BORE FABRICATION ISOMETRIC SWS - SERVICE WATER	DRWG	0SWS6019-1	10/04/11	10/04/11					11/07/11	11/07/11	11/23/2011			11/29/2011			
	LARGE BORE FABRICATION ISOMETRIC SWS - SERVICE WATER	DRWG	1SWS1001-1	10/04/11	10/04/11					11/07/11	11/07/11	11/23/2011			11/29/2011			
	LARGE BORE FABRICATION ISOMETRIC SWS - SERVICE WATER	DRWG	2SWS2001-1	10/04/11	10/04/11					11/07/11	11/07/11	11/23/2011			11/29/2011			
	LARGE BORE FABRICATION ISOMETRIC SWS - SERVICE WATER	DRWG	3SWS3001-1									11/23/2011			11/29/2011			
	LARGE BORE FABRICATION ISOMETRIC SWS - SERVICE WATER	DRWG	4SWS4001-1									11/23/2011			11/29/2011			
MECH-1-44.1	SMALL BORE FABRICATION ISOMETRIC SWS - SERVICE WATER	DRWG	0SWS6006-1															
	SMALL BORE FABRICATION ISOMETRIC SWS - SERVICE WATER	DRWG	0SWS6007-1															
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 SDR - SANITARY DRAINS	DRWG	0SDR6001-1	10/18/11	10/18/11					11/21/11	11/21/11	1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC SDR - SANITARY DRAINS	DRWG	0SDR6001-2	10/18/11	10/18/11							1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC SDR - SANITARY DRAINS	DRWG	0SDR6005-1	10/18/11	10/18/11							1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC SDR - SANITARY DRAINS	DRWG	0SDR6006-1	10/18/11	10/18/11							1/23/2012						
	LARGE BORE FABRICATION ISOMETRIC SDR - SANITARY DRAINS	DRWG	0SDR6007-1	10/18/11	10/18/11							1/23/2012						
MECH-1-47.0	SMALL BORE FABRICATION ISOMETRIC PDR - PLANT DRAINS	DRWG	4PDR6012-1	12/29/11	12/29/11	2/1/2012				01/20/12	01/20/12							
	SMALL BORE FABRICATION ISOMETRIC PDR - PLANT DRAINS	DRWG	4PDR6011-1	12/29/11	12/29/11	2/1/2012				01/20/12	01/20/12							
	SMALL BORE FABRICATION ISOMETRIC PDR - PLANT DRAINS	DRWG	4PDR6010-1	12/29/11	12/29/11	2/1/2012				01/20/12	01/20/12							
	SMALL BORE FABRICATION ISOMETRIC PDR - PLANT DRAINS	DRWG	3PDR6003-1	12/29/11	12/29/11	2/1/2012				01/20/12	01/20/12							
	SMALL BORE FABRICATION ISOMETRIC PDR - PLANT DRAINS	DRWG	3PDR6002-1	12/29/11	12/29/11	2/1/2012				01/20/12	01/20/12							
	SMALL BORE FABRICATION ISOMETRIC PDR - PLANT DRAINS	DRWG	3PDR6001-1	12/29/11	12/29/11	2/1/2012				01/20/12	01/20/12							
	SMALL BORE FABRICATION ISOMETRIC PDR - PLANT DRAINS	DRWG	2PDR6009-1	12/29/11	12/29/11	2/1/2012				01/20/12	01/20/12							
	SMALL BORE FABRICATION ISOMETRIC PDR - PLANT DRAINS	DRWG	2PDR6008-1	12/29/11	12/29/11	2/1/2012				01/20/12	01/20/12							
	SMALL BORE FABRICATION ISOMETRIC PDR - PLANT DRAINS	DRWG	2PDR6007-1	12/29/11	12/29/11	2/1/2012				01/20/12	01/20/12							
	SMALL BORE FABRICATION ISOMETRIC PDR - PLANT DRAINS	DRWG	1PDR6006-1	12/29/11	12/29/11	2/1/2012				01/20/12	01/20/12							
	SMALL BORE FABRICATION ISOMETRIC PDR - PLANT DRAINS	DRWG	1PDR6005-1	12/29/11	12/29/11	2/1/2012				01/20/12	01/20/12							
	SMALL BORE FABRICATION ISOMETRIC PDR - PLANT DRAINS	DRWG	1PDR6004-1	12/29/11	12/29/11	2/1/2012				01/20/12	01/20/12							
MECH-1-48.0	LARGE BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	DRWG	0WDR6002-1	11/08/11	11/08/11					12/12/11	12/12/11	12/8/2011			12/14/2011			
	LARGE BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	DRWG	0WDR6003-1	11/08/11	11/08/11					12/12/11	12/12/11	12/8/2011			12/14/2011			

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	VENDOR DOC SENT TO CBO		
	LARGE BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	DRWG	0WDR6004-1	11/08/11	11/08/11					12/12/11	12/12/11	12/8/2011			12/14/2011			
	LARGE BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	DRWG	0WDR6008-1	11/08/11	11/08/11					12/12/11	12/12/11	12/8/2011			12/14/2011			
	LARGE BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	DRWG	0WDR0610-1	11/08/11	11/08/11					12/12/11	12/12/11	12/8/2011			12/14/2011			
	LARGE BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	DRWG	0WDR6011-1	11/08/11	11/08/11					12/12/11	12/12/11	12/8/2011			12/14/2011			
	~~LARGE BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS~~	~~DRWG~~	~~0WDR6012-1~~	~~11/08/11~~	~~11/08/11~~					~~12/12/11~~	~~12/12/11~~							
	LARGE BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	DRWG	0WDR6013-1	11/08/11	11/08/11					12/12/11	12/12/11	12/8/2011			12/14/2011			
	LARGE BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	DRWG	0WDR6017-1	11/08/11	11/08/11					12/12/11	12/12/11	12/8/2011			12/14/2011			
	LARGE BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	DRWG	0WDR6021-1	11/08/11	11/08/11					12/12/11	12/12/11	12/8/2011			12/14/2011			
	LARGE BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	DRWG	0WDR6024-1									12/8/2011			12/14/2011			
	LARGE BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	DRWG	0WDR6027-1									12/8/2011			12/14/2011			
	LARGE BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	DRWG	0WDR6029-1									12/8/2011			12/14/2011			
	LARGE BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	DRWG	0WDR6031-1									12/8/2011			12/14/2011			
MECH-1-48.1	SMALL BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	DRWG	0WDR6025-1			2/1/2012												
	SMALL BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	DRWG	0WDR6023-1			2/1/2012												
	SMALL BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	DRWG	0WDR6022-1			2/1/2012												
	SMALL BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	DRWG	0WDR6019-1			2/1/2012												
	SMALL BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	DRWG	0WDR6006-1			2/1/2012												
~~**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		1/23/2012	11/16/2011			
	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		1/23/2012	11/16/2011			
	MECHANICAL UNDERGROUND YARD PIPING	DRWG	YP-0210			7/6/2011			7/25/2011			8/16/2011		1/23/2012	11/16/2011			
	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		1/23/2012	11/10/2011			
	MECHANICAL UNDERGROUND YARD PIPING	DRWG	YP-0240			7/6/2011			7/25/2011			8/16/2011		1/23/2012	11/16/2011			
	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		1/23/2012	12/7/2011			
	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		1/23/2012	12/7/2011			
	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		1/23/2012	12/7/2011			
	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		1/23/2012	12/7/2011			
	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		1/31/2012	9/2/2011			
	MECHANICAL UNDERGROUND YARD PIPING	DRWG	YP-0450											1/31/2012				
	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		1/23/2012	11/16/2011			
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	9/14/2011			
	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	9/14/2011			
	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	9/14/2011			
	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		1/23/2012	9/14/2011			
	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		1/23/2012	11/16/2011			
	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			

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	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	9/14/2011			
MECH-1-51.1 need fm	CATHODIC PROTECTION	SPEC	660			07/22/11	08/26/11	09/15/11	10/04/11						10/12/11			
MECH-1-51.2	CATHODIC PROTECTION CALCULATION & SOILS REPORT	CALC				09/15/11			10/04/11									
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	09/16/11	09/29/11									
MECH-1-60.0	ACB PLUMBING FOR CONSTRUCTION	V DWG	ACB PLUMBING									11/03/11			11/09/11			
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	ADMIN BUILDING HVAC, ACB	V DRWG	M100									11/3/2011	11/29/11					
MECH-3-2.0	FUEL GAS COMPRESSOR BUILDING HVAC, FGCB	V DRWG	M-100 FGCB									11/3/2011	11/29/11					
MECH-3-3.0	5kV Electrical Enclosure HVAC	V DRWG										11/09/11			11/16/11			
MECH-3-4.0	BOP Electrical Enclosure HVAC	V DRWG										11/09/11			11/16/11			
MECH-3-5.0	WATER TREATMENT BUILDING (HVAC) PACKAGE	V DRWG	M1000									11/18/11			12/21/11			
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			
	5000psi HIGH EARLY BRENTWOOD											1/6/2011						
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			05/27/11			
	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			

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STRUC-1-2.1B	PILE TO PILE CAP CONNECTION	CALC	912A-02									5/3/2011	5/16/2011	12/19/2011				
	PILE TO PILE CAP CONNECTION DETAILS	DRWG	SF-202			5/3/2011	05/16/11						5/16/2011	12/19/2011	12/27/11			
STRUC-1-3.0	AMMONIA CONTAINMENT AREA FOUNDATION PILING	CALC	910V-01	7/22/2011	7/22/2011					8/26/2011	8/26/2011	9/29/2011	10/26/2011	11/1/2011	12/07/11			
	AMMONIA CONTAINMENT AREA FOUNDATION PILING PLAN	DRWG	SF-051	7/22/2011	7/22/2011					8/26/2011	8/26/2011	9/29/2011	10/26/2011	11/1/2011	12/07/11			
	21,200 GALLON AQUEOUS AMMONIA TANK VENDOR DRAWING	V DRAWING	CC-7005133-001									9/29/2011	10/26/2011		12/05/11			
STRUC-1-3.1	AMMONIA CONTAINMENT AREA FOUNDATION	CALC	910V-02	7/22/2011	7/22/2011					8/26/2011	8/26/2011		12/16/2011	11/17/2011	01/18/12			
	AMMONIA CONTAINMENT AREA FOUNDATION PLAN, SECTIONS AND DETAILS	DRWG	SF-052	7/22/2011	7/22/2011					8/26/2011	8/26/2011		12/16/2011	1/6/2012	01/18/12			
	AMMONIA CONTAINMENT AREA FOUNDATION SECTIONS AND DETAILS	DRWG	SF-053	7/22/2011	7/22/2011					8/26/2011	8/26/2011		12/16/2011	1/6/2012	01/18/12			
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	08/17/11									
	JULY 5, 2011 -LETTER FOR MARSH LANDING FOUNDATION DESIGN PARAMETERS	Letter				07/12/11			08/17/11									
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			11/10/2011	12/13/11			
	910R-05.1	CALC	910R-05.1			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		11/17/2011	12/08/11			
	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	11/16/2011	12/07/11			
	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	1/6/2012	08/24/11			
	SCR SYSTEM UNIT #2 FOUNDATION PILING PLAN	DRWG	SF-018			07/12/11						8/9/2011	8/17/2011	1/6/2012	08/24/11			
	SCR SYSTEM UNIT #3 FOUNDATION PILING PLAN	DRWG	SF-019			07/12/11						8/9/2011	8/17/2011	1/6/2012	08/24/11			
	SCR SYSTEM UNIT #4 FOUNDATION PILING PLAN	DRWG	SF-020			07/12/11						8/9/2011	8/17/2011	1/6/2012	08/24/11			
STRUC-1-8.1	DUCT WORK CALC	CALC	REFERENCE	5/31/2011		5/31/2011									REFERENCE			
	SCR HOUSING CALC	CALC	REFERENCE	5/31/2011		5/31/2011									REFERENCE			
	SOUND SHROUD CALC	CALC	REFERENCE	5/31/2011		5/31/2011									REFERENCE			
	STACK CALC	CALC	REFERENCE	5/31/2011		5/31/2011									REFERENCE			
	STACK CALCULATION BOOK	v CALC	H2301-C59-130801									11/2/2011	1/17/2012					
	AIR TEMPERING DUCT AND SUPPORT TRUSS	v CALC	H2301-C59-130803 R-2									11/2/2011						
	SCR STRUCTURAL CALCULATIONS	v CALC	H2301-C59-130805									11/2/2011						
	NON SEISMIC STRUCTURAL STEEL CONNECTION CALCULATION	v CALC	H2301-C59-130805-1									11/2/2011						
	STRUCTURAL CALCULATIONS - HOT SCR/CO EMISSIONS CONTROL SYSTEM	v CALC	H2301-C59-130807									11/2/2011						
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									
	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			11/23/11									
	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					9/22/2011			09/27/11			
	STRUCTURAL CALCULATIONS FOR C8109 EQUIPMENT SHELTER	V DRWG	190-CA-0004-001			08/12/11	09/01/11					9/22/2011			09/27/11			
STRUC-1-8.4	Structural CALCulation - Sound Shroud - Part 1	v CALC	ST11-115-C									11/2/2011						
	Structural CALCulation - Sound Shroud - Part 2	v CALC	ST11-115-C									11/2/2011						
	Structural CALCulation - Sound Shroud - Part 3	v CALC	ST11-115-C									11/2/2011						
	ACOUSTIC BARRIER WALL LOADING AND COLUMN LINE GRIDS	v CALC	H2301-P59-130503									11/2/2011						
STRUC-1-8.5	STEEL STANDARDS SPECIFICATIONS MATERIAL AND DESIGN CRITERIA	V DRWG	H2301-P59-130100									11/3/2011						
	SHOP STEEL STANDARDS SPECIFICATIONS AND GENERAL NOTES	V DRWG	H2301-P59-130102									11/3/2011						
	SHOP TYPICAL CASING PLATE AND STIFF CONNECTION PLAN, SECTIONS, AND	V DRWG	H2301-P59-130103									11/3/2011						
	SHOP TYPICAL BEAM AND COLUMN CONNECTIONS DETAILS (SHEET 1)	V DRWG	H2301-P59-130104									11/3/2011						
	SHOP TYPICAL BEAM AND COLUMN CONNECTIONS DETAILS (SHEET 2)	V DRWG	H2301-P59-130105									11/3/2011						
	FIELD BEAM AND COLUNN CONNECTIONS	V DRWG	H2301-P59-130106									11/3/2011						
	SHOP CASING PLATE AND BRACING CONNECTION DETAILS	V DRWG	H2301-P59-130107									11/3/2011						
	SHOP LADDER AND CAGE DETAILS	V DRWG	H2301-P59-130108									11/3/2011						

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	SHOP LADDER AND CAGE DETAILS	V DRWG	H2301-P59-130109									11/3/2011						
	SHOP GUARDRAIL/HAILRAIL AND STAIRS DETAILS	V DRWG	H2301-P59-130110									11/3/2011						
	SHOP GRATING CONNECTIONS DETAILS	V DRWG	H2301-P59-130111									11/3/2011						
	SHOP PORT DETAILS	V DRWG	H2301-P59-130112									11/3/2011						
	SHOP LINER AND INSULATION GUIDELINE SECTIONS AND DETAILS	V DRWG	H2301-P59-130113									11/3/2011						
	INSTALLATION GUIDELINE OF SS LINER PANELS CRITICAL AREAS 7 1/2" STAGGED	V DRWG	H2301-P59-130114									11/3/2011						
	INSTATLLATION GUIDELINE OF SS 15' PITCH STUD SPACING	V DRWG	H2301-P59-130115									11/3/2011						
	SCR SYSTEM SIDE WALL DETAILS	V DRWG	H2301-P59-130120									11/3/2011						
	SCR SYSTEM ROOF DETAILS COLUMNS C TO L	V DRWG	H2301-P59-130121									11/3/2011						
	SCR SYSTEM ROOF DETAILS COLUMNS C TO L	V DRWG	H2301-P59-130122									11/3/2011						
	SCR SYSTEM ROOF DETAILS COLUMNS C TO L	V DRWG	H2301-P59-130123									11/3/2011						
	SCR MOMENT FRAME CONNECTION DETAILS	V DRWG	H2301-P59-130131									11/3/2011						
	SCR MOMENT FRAME CONNECTION DETAILS	V DRWG	H2301-P59-130132									11/3/2011						
	SCR MOMENT FRAME CONNECTION DETAILS	V DRWG	H2301-P59-130133									11/3/2011						
	SCR MOMENT FRAME CONNECTION DETAILS	V DRWG	H2301-P59-130134									11/3/2011						
	SCR MOMENT FRAME CONNECTION DETAILS	V DRWG	H2301-P59-130135									11/3/2011						
	SCR SYSTEM ROOF PLAN VIEW	V DRWG	H2301-P59-130202									11/3/2011						
	SCR SYSTEM FLOOR PLAN VIEW	V DRWG	H2301-P59-130203									11/3/2011						
	SCR SYSTEM SECTIONS AND DETAILS	V DRWG	H2301-P59-130204									11/3/2011						
	SCR SYSTEM SIDE PANEL SECTION	V DRWG	H2301-P59-130205									11/3/2011						
	SCR SYSTEM SIDE PANEL SECTION	V DRWG	H2301-P59-130206									11/3/2011						
	SCR SYSTEM SPECIAL DETAILS	V DRWG	H2301-P59-130207									11/3/2011						
	SCR SYSTEM GENERAL ARRANGEMENT/DETAILS TURNING VANES AND	V DRWG	H2301-P59-130249									11/3/2011						
	SCR SYSTEM DETAILS	V DRWG	H2301-P59-130250									11/3/2011						
	SCR SYSTEM DETAILS	V DRWG	H2301-P59-130251									11/3/2011						
	SCR SYSTEM DETAILS	V DRWG	H2301-P59-130252									11/3/2011						
	SCR SYSTEM GENERAL ARRANGMENT TURNING VANES LAYOUT	V DRWG	H2301-P59-130253									11/3/2011						
	SCR SYSTEM ISOMETRIC VIEW PLATFORMS AND LADDERS	V DRWG	H2301-P59-130321									11/3/2011						
	SCR SYSTEM PLATFORMS AND LADDER PLANS AND ELEVATION	V DRWG	H2301-P59-130322									11/3/2011						
	SCR SYSTEM PLATFORMS AND LADDER SECTIONS AND DETAILS	V DRWG	H2301-P59-130323									11/3/2011						
STRUC-1-8.6	AIR TEMPERING DUCTWORK TYPICAL NOTES	V DRWG	H2301-P59-130261															
	AIR TEMPERING DUCTWORK TYPICAL NOTES	V DRWG	H2301-P59-130262															
	AIR TEMPERING DUCTWORK FOUNDATION LOADS PLAN VIEW	V DRWG	H2301-P59-130264															
	AIR TEMPERING DUCTWORK ELEVATION	V DRWG	H2301-P59-130265															
	AIR TEMPERING DUCTWORK DETAILS	V DRWG	H2301-P59-130266															
	AIR TEMPERING DUCTWORK DETAILS	V DRWG	H2301-P59-130267															
	AIR TEMPERING DUCTWORK DETAILS	V DRWG	H2301-P59-130268															
	AIR TEMPERING DUCTWORK DETAILS	V DRWG	H2301-P59-130270															
	AIR TEMPERING DUCTWORK DETAILS	V DRWG	H2301-P59-130271															
	AIR TEMPERING DUCTWORK DETAILS	V DRWG	H2301-P59-130273															
	AIR TEMPERING DUCTWORK DETAILS	V DRWG	H2301-P59-130274															
	AIR TEMPERING DUCTWORK DETAILS	V DRWG	H2301-P59-130275															
	AIR TEMPERING DUCTWORK DETAILS	V DRWG	H2301-P59-130276															
	AIR TEMPERING DUCTWORK DETAILS	V DRWG	H2301-P59-130278															
STRUC-1-8.7	GENERAL ARRAGEMENT AND NOTES	V DRWG	H2301-P59-130750-S1															
	ANCHOR BOLT PLAN AND LOADS	V DRWG	H2301-P59-130750-S2															
	ANCHOR BOLT DETAILS	V DRWG	H2301-P59-130750-S3															
	ANCHOR BOLT DETAILS	V DRWG	H2301-P59-130750-S4															
	LIFT A - ELEVATION AND PLAN	V DRWG	H2301-P59-130750-SA1															
	LIFT A - FALSE BOTTOM DETAILS	V DRWG	H2301-P59-130750-SA2															
	LIFT A - FIELS SPLICE DETAILS	V DRWG	H2301-P59-130750-SA3															
	LIFT B - ELEVATION	V DRWG	H2301-P59-130750-SA4															
STRUC-1-8.8	INLET DUCT ACOUSTICAL SHROUD - GENERAL ARRANGEMENT - WALL PANELS	V DRWG	ST11-115-400															
	INLET DUCT ACOUSTICAL SHROUD - GENERAL ARRANGEMENT - WALL SECTIONS	V DRWG	ST11-115-401															
	INLET DUCT ACOUSTICAL SHROUD - GENERAL ARRANGEMENT - ROOF PANELS	V DRWG	ST11-115-402															
	INLET DUCT ACOUSTICAL SHROUD - GENERAL ARRANGEMENT - ROOF	V DRWG	ST11-115-403															
	SUPPORT COLUMNS LOCATION AND BASEPLATE DETAILS	V DRWG	ST11-115-404															
	FOUNDATION LOAD TABLE	V DRWG	ST11-115-405															
~~**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		10/28/2011	11/07/11			
	TYPICAL CONCRETE DETAILS	DRWG	SF-201							3/1/2011	3/1/2011	3/10/2011		11/17/2011	12/08/11			
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	NN	5/21/2011	5/21/2011	08/12/11	08/29/11			6/30/2011	6/30/2011	9/13/2011			09/15/11			
	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	9/13/2011			09/15/11			
	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	9/13/2011			09/15/11			
	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	9/13/2011			09/15/11			
	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	9/13/2011			09/15/11			
STRUC-1-12.1	TEMP AIR FAN INTAKE STACK CALC	v CALC	H2301-C59-130810			08/11/11						11/2/2011			11/23/11			
	TAS FAN SUPPORT CALCULATION	v CALC	H2301-C59-130808			08/11/11						11/2/2011			11/23/11			
	STRUCTURAL CALCULATIONS - HOT SCR/CO EMISSIONS CONTROLS SYSTEM - SUPPLEMENTAL	v CALC	H2301-C59-130807-SUP									11/2/2011			11/23/11			
	AIR TEMPERING DUCT COLUMN BASE PLATE CALCULATION	v CALC	H2301-C59-130803-1									11/2/2011			11/23/11			

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STRUC-1-12.2	TAS Fan Duct Support	v CALC	H2301-P59-130269									11/2/2011	1/9/2012					
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	9/29/2011			10/17/11			
	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	9/29/2011			10/17/11			
	FUEL GAS CONDITIONING AND REGULATING SKID FOUNDATION PILING PLAN, SECTIONS AND DETAILS	DRWG	SF-047			08/10/11	9/8/2011					9/29/2011		1/30/2012	10/17/11			
STRUC-1-13.1	FUEL GAS PIPE MISC SUPPORTS AND SUPPORT FOUNDATIONS	CALC	910R-13									1/30/2012						
	FUEL GAS PIPE SUPPORTS FOUNDATION PLAN, SECTIONS AND DETAILS	DRWG	SF-100									1/30/2012						
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		11/4/2011	12/7/2011			
	#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		11/4/2011	11/17/2011			
	#2 CTG STEP-UP TRANSFORMER FOUNDATION	DRWG	SF-083			07/13/11	08/12/01					8/24/2011		11/4/2011	11/17/2011			
	#4 CTG STEP-UP TRANSFORMER FOUNDATION	DRWG	SF-087			07/13/11	08/12/01					8/24/2011		11/4/2011	11/17/2011			
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							
	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							
	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-1-17.0	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	10/10/11			10/17/11			
	SCR FAN FOUNDATION PRE-POUR EMBEDMENT PLAN	DRWG	SF-076			09/02/11				7/7/2011	7/7/2011	10/10/11		11/10/2011	12/07/11			
	SCR FAN FOUNDATION PRE-POUR EMBEDMENT PLAN	DRWG	SF-076A			09/02/11						10/10/11			10/17/11			
	SCR FAN FOUNDATION SECTIONS AND DETAILS	DRWG	SF-076B			09/02/11						10/10/11		11/10/2011	12/07/11			
	SCR FAN FOUNDATION PRE-POUR EMBEDMENT DETAILS	DRWG	SF-076C			09/02/11						10/10/11			10/17/11			
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	NON-SEG BUS DUCT	CALC	910R-14									1/31/2012						
	NON-SEG BUS DUCT	DRWG	SF-094									1/31/2012						
	NON-SEG BUS DUCT	DRWG	SF-095									1/31/2012						
STRUC-1-21.1	NON-SEG BUS DUCT SUPPORT CALC	V DRWG	842B-CA-0002-0011			01/31/12												
	SINGLE COLUMN SUPPORT W/ KNEE BRACE FOR 18.50 BUS	V DRWG	AY-Y00126			01/31/12												
	SINGLE COLUMN SUPPORT FOR 18.50 BUS	V DRWG	AY-Y00127			01/31/12												
	DOUBLE COLUMN SUPPORT W/ KNEE BRACE FOR 40.00 BUS	V DRWG	AY-Z00268			01/31/12												
	SHEET 1 AND SHEET 2	V DRWG	AY-Z00275			01/31/12												
	SHEET 1 AND SHEET 2	V DRWG	AY-Z00276			01/31/12												
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			

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~~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	9/29/2011	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		8/15/2011	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		8/15/2011	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	10/10/2011	10/6/2011	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	10/10/2011	10/6/2011	08/05/11			
STRUC-1-24.2	FOUNDATION LOADING CALCULATIONS	CALC	201-CA-0001			05/09/11	6/9/2011					11/9/2011			12/12/11			
TURNING GEAR	US1033-XB-MBJ-2005400101	DRWG	201-FN-0010			05/09/11	06/09/11					11/9/2011			12/12/11			
	US1033-XB-MBJ-2005400201	DRWG	201-FN-0010			05/09/11						11/9/2011			12/12/11			
	FOUNDATION LOADING CALCULATIONS - VENDOR RESPONSE											11/9/2011			12/12/11			
STRUC-1-24.3	US1033-XB-MBJ-2005400101	DRWG	201-FN-0010			05/09/11	06/09/11											
TURNING GEAR PLATFORM	US1033-XB-MBJ-2005400201	DRWG	201-FN-0010			05/09/11												
	TG PLATFORM	DRWG	201-RE-0039			05/09/11	06/09/11											
STRUC-1-24.4	GEN-ANCHORS	DRWG	201-RE-0041			05/09/11			REF									
GENERATOR	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									
STRUC-1-24.5	STRUCTURAL CALCULATION	CALC	201-CA-0013			05/09/11	05/25/11					11/9/2011			01/09/12			
GENERATOR ENCLOSURE	EXCITHOUSECALC-SIGNED	CALC	201-CA-0014			05/09/11			REF			11/9/2011			01/09/12			
	ANCHOR BOLT LAYOUT PULSE FILTER	V DRWG	7537-S01 -SIGNED									11/9/2011			01/09/12			
	ANCHOR BOLT DETAILS	V DRWG	7537-S02 -SIGNED									11/9/2011			01/09/12			
	ROOF FRAMING PLAN & DETAILS	V DRWG	7537-S03 -SIGNED									11/9/2011			01/09/12			
	WALL ELEVATION GRID LINES '1' & 'A'	V DRWG	7537-S04 -SIGNED									11/9/2011			01/09/12			
	WALL ELEVATION GRID LINE '4'	V DRWG	7537-S05 -SIGNED									11/9/2011			01/09/12			
	SECTION AT GRID LINE 'B'	V DRWG	7537-S06 -SIGNED									11/9/2011			01/09/12			
	FILTER HOUSE & INTAKE SILENCER SUPPORT FRAME	V DRWG	7537-S07 -SIGNED									11/9/2011			01/09/12			
	EXHAUST SILENCER SUPPORT FRAME	V DRWG	7537-S08 -SIGNED									11/9/2011			01/09/12			
STRUC-1-24.6	US1033-XB00-MKA-2020300101	DRWG	201-FN-0030			05/09/11			REF									
GENERATOR AIR FILTER	SEI US1033-XL00-MB-201300	V DRWG	201-SP-0030															
STRUC-1-24.7	CT-SEISMIC LOAD CALC	DRWG	201-CA-0012			05/09/11	05/23/01					12/9/2011						
TURBINE	SIEMENS GAS TURBINE POWER BLOCK TURBINE AREA FOUNDATION	DRWG	US1033-XB00-MB-2005600									12/9/2011						
	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-2005200101	DRWG	201-FN-0007			05/09/11			REF									
STRUC-1-24.8	CALCS 2011-01-22	DRWG	201-CA-0011			05/09/11			REF									
TURBINE ENCLOSURE	US1033-XB00-MB-2005600101	V DRWG	201-FN-0008			05/09/11			REF									
STRUC-1-24.9		V DRWG	201-CA-0016-001															
EXHAUST TRANSTION		V DRWG	201-CA-0017-001															
	ZDX559-XB00-MBR-00000201101	V DRWG	201-FN-0015			05/09/11			REF									
	SEI 9704-001	V DRWG	201-ME-0011															
	SEI US1033-XL00-MB-201300	V DRWG	01-SP-0030															
STRUC-1-24.10	SEI RST JOB #10212		201-CA-003															
AIR TANK RECIEVER	SEI ZDX559-XB00-MBR-000002		201-FN-0015															
	SEI 9704-001		201-ME-0011															
	SEI US1033-XB00-MB-200560		201-FN-0008															
STRUC-1-24.11	9692-CLC-002	DRWG	201-CA-0024			05/09/11			REF									
INLET DUCT & SILENCER	9692-CLC-003	DRWG	201-CA-0025			05/09/11			REF									
	INLET SILENCER	DRWG	201-GA-0005			05/09/11			REF									
STRUC-1-24.12	FOUNDATION LOAD & EQUIPMENT ANCHORAGE DESIGN REPORT		201-RE-0028-001															
FILTER HOUSE	INLET AIR FILTER - SEI 7-210100-XX-2	DRWG	201-FN-0033			05/09/11			REF									
STRUC-1-24.13	CENTER OF GRAVITY FOUNDATION LOADS	DRWG	201-CA-0005			05/09/11	5/23/2011					1/12/2012						
LUBE OIL PACKAGE	23600A-10FL-001_REV0	DRWG	201-FN-0005			05/09/11			REF			1/12/2012						

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	23600A_10-FL002_REV0	DRWG	201-FN-0006			05/09/11			REF			1/12/2012						
	US1033-XB00-MB-2005900202 SHEET 1/2	V DRWG	201-FN-0009			05/09/11			REF			1/12/2012						
	US1033-XB00-MB-2005900202 SHEET 2/2	V DRWG	201-FN-0009									1/12/2012						
	CALC LETTER 011112											1/12/2012						
STRUC-1-24.14	US1033-XB00-MB-2005900102	DRWG	201-FN-0009			05/09/11			REF			12/12/2011	1/26/2012					
ELECTRICAL PACKAGE	US1033-XB00-MB-2005900202	DRWG	201-FN-0009			05/09/11			REF			12/12/2011	1/26/2012					
	11100230 CALCULATIONS	DRWG	201-CA-0010			05/09/11	05/24/11					12/12/2011	1/26/2012					
	11100230-100 REV1 STAMPED	DRWG	201-EP-0002			05/09/11			REF			12/12/2011	1/26/2012					
	11100229-200 REV1 STAMPED	DRWG	201-FN-0002			05/09/11			REF			12/12/2011	1/26/2012					
STRUC-1-24.15	LUBE OIL FIN FAN COOLER	DRWG	201-RE-0051			05/09/11	05/23/11											
LUBE OIL COOLER	SEI 14315-001		201-FN-0018															
STRUC-1-24.16	LO COOLER SPT	DRWG	201-RE-0035			05/09/11	05/23/11											
LUBE OIL COOLER SUPPORT STRUCTURE		REF	201-FN-0009,															
STRUC-1-24.17	CALCULATIONS_CBC ORIE2-DS	V DRWG	201-CA-0020			05/09/11	06/02/11											
ROTOR AIR COOLER	LOADS_CBC_ORIE2-DS	VDRWG	KPE 201-CA-0022			05/09/11	06/02/11											
STRUC-1-24.18	ROTO AIR STR	VDRWG	201-RE-0036			05/09/11	06/02/11											
ROTOR AIR COOLER SUPPORT STRUCTURE	SEI ORIE2 123.001-10		KPE 201-CA-0020															
	SEI ORIE2 123.001-10		201-CA-0022															
	ZDX559-XB00-MBH-0000110101	V DRWG	201-FN-0021			05/09/11			REF									
	SEI US1033-XL00-MB-201300		201-SP-0030(4.0.4)															
STRUC-1-24.19	ZDX559-XB00-MBH-0000120104	VDRWG	201-FN-0022			05/09/11			REF			1/26/2012						
ROTOR AIR COOLER PIPE SUPPORT	SEI US1033-XL00-MB-201300	V SPEC	201-SP-0030(4.0.16)									1/26/2012						
	01297 TAB 7	V CALC	201-CA-0036-001			05/09/11			REF			1/26/2012						
	PIPE SUPPORT & FOUNDATION LOAD CALC	V CALC										1/26/2012						
			201-CA-0032															
STRUC-1-24.20	SEI RST JOB #10213		201-CA-0004															
INSTRUMENT AIR COMPRESSOR	ZDX559-XB00-MBX-0000020101	VDRWG	201-FN-0025			05/09/11			REF									
	SEI US1033-XL00-MB-201300		201-SP-0030(4.0.8)															
			FN-0004-001															
STRUC-1-24.21	CALCS - PILOT TANK	V DRWG	201-CA-0018			05/09/11			REF									
FUEL GAS PILOT SEPARATOR	ZDX559-XB00-MBP-0000080102	V DRWG	201-FN-0024			05/09/11			REF									
	SEI US1033-XL00-MB-201300		201-SP-0030(4.0.9)															
STRUC-1-24.22	CALCS-MAIN TANK	V DRWG	201-CA-0031			05/09/11			REF									
FUEL GAS MAIN FILTER SEPARATOR	ZDX559-XB00-MBP-0000070101	V DRWG	201-FN-0023			05/09/11			REF									
	SEI US1033-XL00-MB-201300		201-SP-0030(4.0.6)															
STRUC-1-24.23	RST11026-A	V DRWG	201-CA-0019			05/09/11	06/15/11											
CONTROL OIL SKID	ZDX559-XB00-MBX-0000040101	V DRWG	201-FN-0026			05/09/11			REF									
	SEI US1033-XL00-MB-201300		201-SP-0030(4.0.5															
STRUC-1-24.24	CAPE FLD R03 MARSHLANDING	V DRWG	201-CA-0021			05/09/11			REF									
FIRE PROTECTION ENCLOSURE			201-CA-0038-001															
	CA PE FLD R03 MARSHLANDING	V DRWG	201-FN-0012			05/09/11			REF									
	ZDX559-ZB00-SGN-0000030101	V DRWG	201-FN-0028			05/09/11			REF									
	SEI US1033-XL00-MB-201300		201-SP-0030(4.0.7															
STRUC-1-24.25	SEI US1033-XB00-MB-200560		201-FN-0008															
FUEL GAS PIPE SUPPORT	ZDX559-XB00-MBP-00000601102	V DRWG	201-FN-0014			05/09/11			REF									
	SEI ZDX559-XL00-MBP-000002		201-SP-0036															
	SEI US1033-XL00-MB-201300		201-SP-0030(4.0.17)															
STRUC-1-24.26	INLRT HTG PS	V DRWG	201-FN-0034			05/09/11			REF									
INLET HEATER PIPE	SEI ZDX559-XL00-MBL-000002		201-SP-0037															
	SEI US1033-XL00-MB-201300		201-SP-0030(4.0.18)															
STRUC-1-24.27	ZDX559-XB00-MBH-0000030102	V DRWG	201-FN-0031			05/09/11			REF									
C00LING AIR BLEED PIPE SUPPORTS	SEI ZDX559-XL00-MBH-000010		201-SP-0038															
	SEI US1033-XL00-MB-201300		201-SP-0030(4.0.15)															
STRUC-1-24.28	INLET AIR FILTER	V DRWG	201-RE-0033			05/09/11			REF									
EXHAUST END EXTERIOR PLATFORM	ZDX559-XB00-UMX-0000020101	V DRWG	201-FN-0016			05/09/11			REF									
	SEI US1033-XL00-MB-201300		201-SP-0030(4.0.13)															

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STRUC-1-24.29	SS INLET PLTSTR	V DRWG	201-RE-0037			05/09/11			REF									
INLET END EXTERIOR PLATFORM	ZDX559-XB00-UMX-0000030101	V DRWG	201-FN-0017			05/09/11			REF									
	SEI US1033-XL00-MB-201300		201-SP-0030(4.0.14)															
STRUC-1-24.30	EXH PLT INT	V DRWG	201-RE-0034			05/09/11			REF									
EXHAUST END INTERIOR PLATFORM																		
STRUC-1-24.31	INT PLT LS	V DRWG	201-RE-0032			05/09/11			REF									
LEFT SIDE INTERIOR PLATFORM	SEI US1033-XB00-MB-200560		201-FN-0008															
STRUC-1-24.32			201-RE-0048-001															
NORTH AND SOUTH EXCITER PLATFORM																		
STRUC-1-24.33	STURCTURAL ANALYSIS FOR TURBINE PIPE RACK	V CALC	201-RE-0031-001									12/21/2011	2/1/2012					
TURBINE PIPE RACK	SEI 501F-331-105	DRWG	201-RE-0031			05/09/11	05/27/11						2/1/2012					
		VDRWG	ZDX559-VN03-UMX-000020									12/21/2011	2/1/2012					
	RESPONSE TO THE CBO COMMENTS FOR TURBINE PIPE RACK	V DOC										12/21/2011	2/1/2012					
STRUC-1-24.34	OIL SKID CALCULATIONS	CALC	RST11026-F4									11/4/2011			11/16/11			
CONTROL OIL SKID	OIL SKID CBO RESPONSE	CALC	RST11026F4									11/4/2011			11/16/11			
	RST11026-A	DRWG	201-CA-0019			05/09/11	10/03/11	09/23/11				11/3/2011						
STRUC-1-25.0	DESIGN OF COMBUSTION TURBINE FOUNDATION - MAT AND PEDESTALS	CALC	910A-02	4/29/2011	5/27/2011	07/05/11	08/19/11			7/14/2011	7/14/2011	10/4/2011	10/14/2011	11/16/2011	12/07/11			
	DESIGN OF COMBUSTION TURBINE (CT) FOUNDATION - ANCHORAGE AND EMBEDMENTS	CALC	910A-03	4/29/2011	5/27/2011	07/05/11	08/19/11			7/14/2011	7/14/2011	10/4/2011	10/14/2011	2/2/2012	12/14/11			
	FOUNDATION LOCATION PLAN	DRWG	SF-000			07/05/11	08/19/11					10/4/2011	10/14/2011	10/28/2011	11/09/11			
	CTG POST-POUR PLACEMENT PLAN	DRWG	SF-009	4/29/2011	5/27/2011	7/5/2011	8/19/2011			7/14/2011	7/14/2011	10/4/2011	10/14/2011	11/16/2011	12/07/11			
	CTG FOUNDATION SECTIONS	DRWG	SF-010	4/29/2011	5/27/2011	7/5/2011	8/19/2011			7/14/2011	7/14/2011	10/4/2011	10/14/2011	12/9/2011	12/07/11			
	CTG FOUNDATION SECTIONS	DRWG	SF-011	4/29/2011	5/27/2011	7/5/2011	8/19/2011			7/14/2011	7/14/2011	10/4/2011	10/14/2011	11/16/2011	12/07/11			
	CTG FOUNDATION DETAILS	DRWG	SF-012	4/29/2011	5/27/2011	7/5/2011	8/19/2011			7/14/2011	7/14/2011	10/4/2011	10/14/2011	11/16/2011	12/07/11			
	CTG FOUNDATION DETAILS	DRWG	SF-013	4/29/2011	5/27/2011	7/5/2011	8/19/2011			7/14/2011	7/14/2011	10/4/2011	10/14/2011	11/16/2011	12/07/11			
	CTG FOUNDATION DETAILS	DRWG	SF-014	4/29/2011	5/27/2011	7/5/2011	8/19/2011			7/14/2011	7/14/2011	10/4/2011	10/14/2011	12/9/2011	12/14/11			
	CTG FOUNDATION DETAILS	DRWG	SF-015	4/29/2011	5/27/2011	7/5/2011	8/19/2011			7/14/2011	7/14/2011	10/4/2011	10/14/2011	12/14/2011	12/14/11			
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	PILOT GAS COOLER FOUNDATION	CALC	910D-07	6/3/2011	6/3/2011	11/03/11				7/13/2011	7/13/2011		12/29/2011	1/11/2012				
	PILOT GAS COOLER FOUNDATION PLAN AND SECTION	DRWG	SF-016	6/3/2011	6/3/2011	11/03/11				7/13/2011	7/13/2011		12/29/2011	1/11/2012				
STRUC-1-28.1	PILOT GAS COOLER FOUNDATION	V DRWG																
~~**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 TANKS FOUNDATION	CALC	910Q-03	6/9/2011	6/9/2011					7/14/2011	7/14/2011	12/19/2011	1/10/2012	1/31/2012				
	DEMINERALIZED WATER TANKS FOUNDATION PLAN AND DETAILS	DRWG	SF-031	6/9/2011	6/9/2011					7/14/2011	7/14/2011	12/19/2011	1/10/2012	1/31/2012				
STRUC-1-32.0	GENERAL SERVICE PUMP FOUNDATION	CALC	910U-03	6/9/2011	6/9/2011					7/14/2011	7/14/2011	12/12/2011			12/14/11			
	GENERAL SERVICE PUMP FOUNDATION PLAN, SECTIONS AND DETAILS	DRWG	SF-032	6/9/2011	6/9/2011					7/13/2011	7/14/2011	12/12/2011			12/14/11			
STRUC-1-33.0	PAD MOUNTED TRANSFORMERS	CALC	910G-06									12/8/2011	12/14/2011	12/29/2011	12/30/11			
	PAD MOUNTED TRANSFORMERS FOUNDATION PLANS	DRWG	SF-091	7/21/2011	7/21/2011					8/25/2011	8/25/2011	12/8/2011	12/14/2011	12/28/2011	12/30/11			
	PAD MOUNTED TRANSFORMERS FOUNDATION PLANS	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	9/30/2011	10/21/11			
	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	9/30/2011	10/21/11			
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	9/30/2011	10/24/2011	10/14/2011	11/03/11			
	FUEL GAS DEW POINT HEATER AREA PILING PLAN, SECTIONS AND DETAILS (Foundation)	DRWG	SF-059	5/11/2011	5/26/2011	8/15/2011				6/1/2011	6/1/2011	9/30/2011	10/24/2011	10/14/2011	11/03/11			
	SKID ANALYSIS INDIRECT GAS FIRE WATER BATH HEATER	v DRWG	313-RE-0036							6/1/2011	6/1/2011							

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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	V Dwg	842A-RE-0002-001			07/11/01			08/17/11									
	IPB SUPPORT CALCULATIONS REV. 1	V Dwg	CAL7250			07/11/01			08/17/11									
	BUS DUCT SUPPORTS	V CALC	STRUC CALC				10/28/11								12/14/11			
	APPLIED LOADS FRAME 1, 3 & 4	VENDOR					10/28/11								12/14/11			
	APPLIED LOADS FRAME 2	VENDOR					10/28/11								12/14/11			
	201-CA-0015-001 SEE_SFC Structure CALCulation Rev2	V Dwg	201-CA-0015-001									11/4/2011	12/12/2011					
	201-FN-0013-001 SEE_SFC Foundation Loading Rev2	V Dwg	201-FN-0013-001									11/4/2011	12/12/2011					
	SEE/SFC PACKAGE FOUNDATION ARRANGEMENT	V Dwg	US1033-XB00-UMX-2025300102									11/4/2011	12/12/2011					
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	9/14/2011	11/4/2011	10/28/2011	12/08/11			
	Units #1, 3 and 4 Iso-Phase Support 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	9/14/2011	11/4/2011	10/28/2011	12/08/11			
	Unit #2 Iso-Phase Support 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	9/14/2011	11/4/2011	10/28/2011	12/08/11			
STRUC-1-37.1	I.P.B. Structural Steel Plan	V Dwg	7250-11-LP			09/19/11	09/30/11					11/23/2011			12/14/11	12/16/2011		
	I.P.B. Structural Steel Anchor Bolt Plan	V Dwg	7250-11-LB			09/19/11	09/30/11					11/23/2011			12/14/11	12/16/2011		
	I.P.B. Structural Steel Sections (Sheet 1 of 3)	V Dwg	7250-11-LL			09/19/11	09/30/11					11/23/2011			12/14/11	12/16/2011		
	I.P.B. Structural Steel Sections (Sheet 2 of 3)	V Dwg	7250-11-LL			09/19/11	09/30/11					11/23/2011			12/14/11	12/16/2011		
	I.P.B. Structural Steel Sections (Sheet 3 of 3)	V Dwg	7250-11-LL			09/19/11	09/30/11					11/23/2011			12/14/11	12/16/2011		
	I.P.B. Structural Steel Details	V Dwg	7250-11-LZ			09/19/11	09/30/11					11/23/2011			12/14/11	12/16/2011		
	I.P.B. Structural Steel Plan	V Dwg	7250-21-LP			09/19/11	09/30/11					11/23/2011			12/14/11	12/16/2011		
	I.P.B. Structural Steel Anchor Bolt Plan	V Dwg	7250-21-LB			09/19/11	09/30/11					11/23/2011			12/14/11	12/16/2011		
	I.P.B. Structural Steel Sections (Sheet 1 of 3)	V Dwg	7250-21-LB			09/19/11	09/30/11					11/23/2011			12/14/11	12/16/2011		
	I.P.B. Structural Steel Sections (Sheet 2 of 3)	V Dwg	7250-21-LL			09/19/11	09/30/11					11/23/2011			12/14/11	12/16/2011		
	I.P.B. Structural Steel Sections (Sheet 3 of 3)	V Dwg	7250-21-LL			09/19/11	09/30/11					11/23/2011			12/14/11	12/16/2011		
	Structural CALCulations Bus Duct Supports	V Dwg	842A-CA-0001			09/19/11	09/30/11					11/23/2011			12/14/11	12/16/2011		
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	10/19/2011			10/31/11			
	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	10/19/2011			10/31/11			
	SFC TRANSFORMER	VDRWG	201-CA-0024-001			07/27/11						10/19/2011			10/31/11			
	SEE TRANSFORMER	VDRWG	201-CA-0006-001			07/27/11						10/19/2011			10/31/11			
	SFC TRANSFORMER FND	VDRWG	201-FN-0019-001			07/27/11						10/19/2011			10/31/11			
	SEE TRANSFORMER FND	VDRWG	201-FN-0029-001			07/27/11						10/19/2011			10/31/11			
STRUC-1-40.0	WATER TREATMENT FOUNDATIONS/SUMP	CALC	911A-01	6/29/2011	6/29/2011	11/18/11	12/08/11			8/3/2011	8/3/2011							
	WAREHOUSE WATER TREATMENT FOUNDATION PLAN	DRWG	SF-003	6/29/2011	6/29/2011	11/18/11	12/08/11			8/3/2011	8/3/2011							
	WAREHOUSE WATER TREATMENT FOUNDATION SECTIONS AND DETAILS	DRWG	SF-003A			11/18/11	12/08/11											
	WAREHOUSE WATER TREATMENT FOUNDATION SECTIONS AND DETIALS	DRWG	SF-004			11/18/11	12/08/11											
	WAREHOUSE WATER TREATMENT FOUNDATION SECTIONS AND DETIALS	DRWG	SF-004A			11/18/11	12/08/11											
STRUC-1-40.1	BOP ELECTRICAL ENCLOSURE FOUNDATION (PEC)	CALC	910R-11	6/29/2011	6/29/2011					8/3/2011	8/3/2011	10/21/2011	11/14/2011	11/23/2011	12/07/11			
	BALANCE OF PLAND ELECTRICAL ENCLOSURE FOUNDATION SECTIONS AND DETAILS	DRWG	SF-079	6/29/2011	6/29/2011					8/3/2011	8/3/2011	10/21/2011	11/14/2011	11/23/2011	12/07/11			
	BALANCE OF PLAND ELECTRICAL ENCLOSURE FOUNDATION SECTIONS AND DETAILS	DRWG	SF-079A									10/21/2011	11/14/2011	11/23/2011	12/07/11			

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STRUC-1-40.2	820-CA-0004-001 - BOP Structural CALCulations	V DRWG				10/21/11	11/14/11					1/6/2012						
	820-ST-0011-001 - Construction Notes	V DRWG				10/21/11	11/14/11					1/6/2012						
	820-ST-0012-001 - Skid Detail	V DRWG				10/21/11	11/14/11					1/6/2012						
	820-ST-0013-001 - Cutout Detail	V DRWG				10/21/11	11/14/11					1/6/2012						
	820-ST-0014-001 - Lifting Diagram	V DRWG				10/21/11	11/14/11					1/6/2012						
	820-ST-0015-001 - Plan Views	V DRWG				10/21/11	11/14/11					1/6/2012						
	820-ST-0016-001 - Elevation 1	V DRWG				10/21/11	11/14/11					1/6/2012						
	820-ST-0017-001 - Elevation 2	V DRWG				10/21/11	11/14/11					1/6/2012						
	820-ST-0018-001 - Elevation 3	V DRWG				10/21/11	11/14/11					1/6/2012						
	820-ST-0019-001 - Elevation 4	V DRWG				10/21/11	11/14/11					1/6/2012						
~~**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	WWB ARCHITECTURAL FOR CONSTRUCTION REV 1	V DRWG	A-W000									11/18/2011	12/8/2011					
STRUC-1-42.1	WWB STRUCTURAL CALCULATIONS	V CALC										11/18/2011	12/8/2011					
	STRUCTURE WWB FOR CONSTRUCTION	V DRWG	S-1									11/18/2011	12/8/2011					
STRUC-1-42.2	WWB REACTION PACKAGE	V CALC	193208									11/18/2011	12/8/2011					
	WWB SEALED PLANS 11 1 11	V DRWG\	11-17676									11/18/2011	12/8/2011					
STRUC-1-43.0	CTG STEP-UP AND AUX TRANSFORMER FOUNDATION	CALC	910G-04	7/12/2011	9/7/2011	09/14/11	09/20/11			10/11/2011		11/17/2011			12/30/11			
	CTG STEP-UP TRANSFORMER UNIT #3 AND UAT TRANSFORMERS FOUNDATION PLAN, SECTIONS AND DETAILS	DRWG	SF-085	9/8/2011	9/8/2011	09/14/11	09/20/11			10/13/2011	10/13/2011	11/17/2011			12/30/11			
	CTG STEP-UP TRANSFORMER UNIT #3 AND UAT TRANSFORMERS FOUNDATION PLAN, SECTIONS AND DETAILS	DRWG	SF-085A	9/8/2011	9/8/2011	09/14/11	09/20/11			10/13/2011	10/13/2011	11/17/2011			12/30/11			
STRUC-1-44.0	AUX TRANSFORMER FOUNDATON PILING	CALC	910G-03	7/12/2011		07/19/11	08/15/11			7/19/2011		9/13/2011			09/16/11			
	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	9/13/2011			09/16/11			
	URS LETTER OF CLARIFICATION FOR GEO TECH											9/13/2011			09/16/11			
~~**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	09/14/11			9/27/2011	9/27/2011	10/7/2011	11/8/2011	11/17/2011	11/29/11			
	ELECTRICAL BUILDING FOUNDATION PLAN AND DETAILS	DRWG	SF-002	8/23/2011	8/23/2011	08/24/11	09/14/11			9/27/2011	9/27/2011	10/7/2011	11/8/2011	11/17/2011	11/29/11			
	ELECTRICAL BUILDING FOUNDATION PLAN AND DETAILS	DRWG	SF-002A	8/23/2011	8/23/2011	08/24/11	09/14/11			9/27/2011	9/27/2011	10/7/2011		11/17/2011	11/29/11			
STRUC-1-47.1	5kV Building Structural CALCulations	DRWG	820-CA-0003-001			08/25/11	11/03/11	10/07/11				1/6/2012						
	5kV Building Construction Notes	DRWG	820-RE-0004-001			08/25/11	09/14/11					1/6/2012						
	5kV Building Skid Frame	DRWG	820-ST-0002-001			08/25/11	09/14/11					1/6/2012						
	5kV Building Plan Views	DRWG	820-ST-0005-001			08/25/11	09/14/11					1/6/2012						
	5kV Building Elevation 1	DRWG	820-ST-0006-001			08/25/11	09/14/11					1/6/2012						
	5kV Building Elevation 2	DRWG	820-ST-0007-001			08/25/11	09/14/11					1/6/2012						
	5kV Building Elevation 3	DRWG	820-ST-0008-001			08/25/11	09/14/11					1/6/2012						
	5kV Building Elevation 4	DRWG	820-ST-0009-001			08/25/11	09/14/11					1/6/2012						
STRUC-1-48.0	STRUCTURE ACB FOR CONSTRUCTION	V DRWG	990-RE-0013-001	8/20/2011	8/20/2011					9/24/2011	9/24/2011	11/01/11	1/19/2012	1/31/2012				
	ACB FOUNDATION CALCULATIONS FOR CONSTRUCTION	V CALC	990-CA-0002-001	8/20/2011	8/20/2011					9/24/2011	9/24/2011	11/01/11	1/19/2012	1/31/2012				
	ADMIN CONTROL BUILDING FOUNDATION PLAN	V DRWG	990-FN-0001-001									1/6/2012	1/19/2012	1/31/2012				
	ADMIN CONTROL BUILDING STRUCUTRAL DETAILS	V DRWG	990-ST-0002-001									1/6/2012	1/19/2012	1/31/2012				
STRUC-1-48.1	Generating Station Administration/Controls Building	V DRWG	990-GA-001-001										2/1/2012	1/6/2012				
	11-17660 CALC PACKAGE - STRUCTURAL DESIGN DATA	V CALC	990-CA-0005-001									1/6/2012	2/1/2012					
	OWNER COMMENTS ON CALC PACKAGE		990-RE-0017-001									1/6/2012	2/1/2012					
	OWNER COMMENTS ON PERMIT DRAWINGS		990-RE-0018-001									1/6/2012	2/1/2012					
~~**STRUC-1-48.2**~~	~~ADMIN BUILDING ARCHITECTURAL DRAWINGS~~	~~V DRWGS~~	~~A-A000~~	~~6/18/2011~~	~~6/18/2011~~					~~7/21/2011~~	~~7/21/2011~~	~~10/31/2011~~	~~11/23/2011~~					
	COVER SHEET	V DRWG	990-RE-0001-001									1/6/2012	2/1/2012					
	SITE PLAN	V DRWG	990-GA-0004-001									1/6/2012	2/1/2012					
	ARCH ACCESSIBILITY STANDARDS	V DRWG	990-AR-0001-001									1/6/2012	2/1/2012					

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	ARCH FLOOR PLAN	V DRWG	990-AR-0002-001									1/6/2012	2/1/2012					
	ARCH BATHROOMS ENLARGED PLAN	V DRWG	990-AR-0003-001									1/6/2012	2/1/2012					
	TOILET ROOM INTERIOR ELEVATIONS	V DRWG	990-AR-0004-001									1/6/2012	2/1/2012					
	ARCH REFLECTED CEILING PLAN	V DRWG	990-AR-0005-001									1/6/2012	2/1/2012					
	ARCH EXTERIOR ELEVATIONS	V DRWG	990-AR-0006-001									1/6/2012	2/1/2012					
	ARCH BUILDING SECTION	V DRWG	990-AR-0007-001									1/6/2012	2/1/2012					
	ARCH BUILDING SECTION	V DRWG	990-AR-0020-001									1/6/2012	2/1/2012					
	ARCH ROOF PLAN	V DRWG	990-AR-0034-001									1/6/2012	2/1/2012					
	EXIT-EGRESS PLAN ADMIN-CONTROL BUILDING	V DRWG	990-AR-0038-001									1/6/2012	2/1/2012					
	ARCH INTERIOR DETAILS	V DRWG	990-AR-0042-001									1/6/2012	2/1/2012					
	ARCH DOOR SCHEDULE AND WINDOW SCHEDULE	V DRWG	990-SH-0001-001									1/6/2012	2/1/2012					
	ARCH FINISH SCHEDULE	V DRWG	990-SH-002-001									1/6/2012	2/1/2012					
STRUC-1-50.0	AIR DRYER, AIR RECIEVER & AIR COMPRESSOR FOUNDATION	CALC	910R-12	8/20/2011	8/20/2011	10/28/11			11/17/11	9/24/2011	9/24/2011	12/8/2011			12/09/11			
	AIR DRYER, AIR RECIEVER & AIR COMPRESSOR FOUNDATION PLAN, SECTIONS AND DETAILS	DRWG	SF-071	8/20/2011	8/20/2011	10/28/11			11/17/11	9/24/2011	9/24/2011	12/8/2011			12/09/11			
STRUC-1-51.0	FUEL GAS COMPRESSOR BUILDING FOUNDATION PILES	CALC	910D-01	9/3/2011	9/3/2011					10/8/2011	10/8/2011	10/14/2011	11/14/2011	11/23/2011	12/07/11			
	FUEL GAS COMPRESSOR BUILDING FOUNDATION PILING PLAN	DRWG	SF-042	9/3/2011	9/3/2011					10/8/2011	10/8/2011	10/14/2011	11/14/2011	11/23/2011	12/07/11			
STRUC-1-51.1	FUEL GAS COMPRESSOR DISCHARGE FILTER SKIDS AND ACCUMULATOR TANKS FOUNDATION PILES	CALC	910D-08	9/3/2011	9/3/2011					10/8/2011	10/8/2011	10/14/2011	11/7/2011	11/23/2011	12/07/11			
	FUEL GAS COMPRESSOR DISCHARGE FILTER SKIDS AND ACCUMULATOR FOUNDATION PILING PLAN	DRWG	SF-048	9/3/2011	9/3/2011					10/8/2011	10/8/2011	10/14/2011	11/7/2011	11/23/2011	12/07/11			
STRUC-1-51.2	FUEL GAS COMPRESSOR DISCHARGE FILTER SKIDS AND ACCUMULATOR FOUNDATION	CALC	910D-08A			11/08/11	01/03/12											
	FUEL GAS COMPRESSOR DISCHARGE FILTER SKIDS AND ACCUMULATOR TANKS FOUNDATION PLAN, SECTIONS AND DETAILS	DRWG	SF-049			11/08/11	01/03/12											
STRUC-1-52.0	FUEL GAS COMPRESSORS & ENCLOSURE FOUNDATION	CALC	910D-01A	9/3/2011	9/16/2011	11/08/11			12/27/11	10/8/2011	10/8/2011		12/28/2011	2/1/2012				
	FUEL GAS COMPRESSORS & ENCLOSURE FOUNDATION PLAN, SECTIONS AND DETAILS	DRWG	SF-043	9/3/2011	9/16/2011	11/08/11			12/27/11	10/8/2011	10/8/2011		12/28/2011	2/1/2012				
STRUC-1-52.1	VP BUILDINGS MARSH LANDING COMPRESSOR BUILDING FOUNDATIONS	V Dwg	FGC BLDG STR DWG									10/14/2011	11/16/2011					
	STRUCTURAL DESIGN DATA	V Dwg	FGC BLDG STR CALC									10/14/2011	11/16/2011					
STRUC-1-52.2	FUEL GAS COMPRESSOR FIN FAN FOUNDATION	DRWG	SF-060			10/21/11	10/26/11					11/4/2011		11/23/2011	11/30/11			
	FUEL GAS COMPRESSOR FIN FAN FOUNDATION	DRWG	SF-061											12/23/2011	12/27/11			
	FUEL GAS COMPRESSOR FIN FAN FOUNDATION	CALC	910D-06			10/21/11	10/26/11					11/4/2011	11/30/2011	12/7/2011	12/12/11			
STRUC-1-52.3	UE COMPRESSION DRAWING	V DRWG	201-CA-0026-001									10/21/11			11/10/11			
	UE COMPRESSION LLC LETTER	V DRWG	201-GA-0002-001									10/21/11			11/10/11			
STRUC-1-52.4	FUEL GAS COMPRESSOR FIN FAN PILES																	
STRUC-1-53.0	FUEL GAS COMPRESSOR DRAIN TANK	CALC	910D-05	9/7/2011	9/7/2011	08/31/11			09/16/11	10/12/2011	10/12/2011	10/3/2011			10/10/11			
	FUEL GAS CHROMATOGRAPH FOUNDATION	CALC	910R-09	9/7/2011	9/7/2011	08/31/11			09/16/11			10/3/2011			10/10/11			
	FUEL GAS REGULATING SKID FOUNDATION PLAN, SECTIONS AND DETAILS	DRWG	SF-045	9/7/2011	9/7/2011	08/31/11			09/16/11	10/12/2011	10/12/2011	10/3/2011			10/10/11			
STRUC-1-53.1	FUEL GAS COPRESSOR TANK VENDOR INFO	V DRWG	551-ME-0001-01			10/04/11			10/20/11									
	30 OD 200 GALLON FUEL GAS COMPRESSOR DRAINS TANK	V DRWG	551-CA-0001-001			10/04/11			10/20/11									
~~**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-1-53.10	FGCB ARCHITECTURE FOR CONSTRUCTION	V DWG	A-G000									11/3/2011	12/2/2011					
~~**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		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							

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	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	910O-02	6/1/2011	6/1/2011	09/21/11	10/12/11			7/14/2011	7/14/2011	11/4/2011		12/9/2011	12/12/11			
	SCR SYSTEM FOUNDATION PLAN	DRWG	SF-021	6/1/2011	6/1/2011	09/21/11	10/12/11			7/14/2011	7/14/2011	11/4/2011		12/9/2011	12/12/11			
	SCR SYSTEM FOUNDATION PRE-POUR EMBEDMENT PLAN	DRWG	SF-022	6/1/2011	6/1/2011	09/21/11	10/12/11			7/14/2011	7/14/2011	11/4/2011		12/9/2011	12/12/11			
	SCR SYSTEM FOUNDATION POST-POUR EMBEDMENT PLAN	DRWG	SF-023	6/1/2011	6/1/2011	09/21/11	10/12/11			7/14/2011	7/14/2011	11/4/2011		12/9/2011	12/12/11			
	SCR SYSTEM FOUNDATION SECTIONS AND DETAILS	DRWG	SF-024	6/1/2011	6/1/2011	09/21/11	10/12/11					11/4/2011		12/9/2011	12/12/11			
	SCR SYSTEM FOUNDATION SECTIONS AND DETAILS	DRWG	SF-024A	6/1/2011	6/1/2011	09/21/11	10/12/11					11/4/2011		1/18/2012	01/19/12			
	SCR SYSTEM FOUNDATION ANCHOR BOLT SECTIONS AND DETAILS	DRWG	SF-025	6/1/2011	6/1/2011	09/21/11	10/12/11					11/4/2011		12/9/2011	12/12/11			
	SCR SYSTEM FOUNDATION ANCHOR BOLT SECTIONS AND DETAILS	DRWG	SF-025A	6/1/2011	6/1/2011	09/21/11	10/12/11					11/4/2011		12/9/2011	12/12/11			
STRUC-1-60.0	GENERAL PAINTING	TSpc	980							12/24/2011		11/9/2011			11/22/11			
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							
	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												11/17/11			
~~**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	10/24/11	11/23/11	12/22/11	12/30/11			
	CONSTRUCTION WAREHOUSE FOUNDATION PLAN, SECTIONS AND DETAILS	DRWG	SF-120		07/01/11	07/21/11	09/01/11				09/15/11	10/24/11	01/13/12	01/03/12	12/30/11			
	STRUCTURAL DESIGN DATA		11-17698 (192751)			07/21/11	09/01/11				09/15/11	10/24/11	01/13/12	01/06/12				
	VP BUILDINGS PACKAGE		11-17698 (192750)			07/21/11	09/01/11				09/15/11	10/24/11	01/13/12	01/06/12				
	REVISED TEMP WAREHOUSE LETTER											01/06/12	01/13/12					
	CW REACTIONS											01/06/12	01/13/12					
STRUC-1-70.2	CONSTRUCTION WAREHOUSE TRANSFORMER	CALC	910G-07															
		DRWG																
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				09/16/11			09/16/11			09/19/11			
	ELECTRICAL MANHOLE MH-1 12X12X9 PREC. MANHOLE	CALC	12X12X9		08/31/11				09/16/11			09/16/11			09/19/11			
	ELECTRICAL MANHOLE MH-2 12X12X8 PREC. MANHOLE	V DRWG	030-S141287-002		08/31/11				09/16/11			09/16/11			09/19/11			
	ELECTRICAL MANHOLE MH-1 12X12X9 PREC. MANHOLE	V DRWG	030-S141287-001		08/31/11				09/16/11			09/16/11			09/19/11			
	ELECTRICAL MANHOLE MH-3	CALC	12X12X10		08/31/11				09/16/11			09/16/11			09/19/11			
	ELECTRICAL MANHOLE MH-3 12X12X10 PREC. MANHOLE	V DRWG	030-S141287-003		08/31/11				09/16/11			09/16/11			09/19/11			

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STRUC-1-75.0	GEN PULSE SKID FOUNDATION	CALC	910R-10			11/10/11			11/30/11			02/01/12						
	MISCELLANEOUS EQUIPMENT FOUNDATION PLANS, SECTIONS, AND DETAILS	DRWG	SF-029			11/10/11			11/30/11			02/01/12						
STRUC-1-76.0	84-INCH BASE SHELL	V CALC										01/20/12						
	84-INCH FLAT TOP	V CALC										01/20/12						
	84 PUMP STATION	V DRWG										01/20/12						
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															
	KPE TSE Master Drawing List											01/05/11			01/31/12			
	TSE Specification and Drawing List											01/05/11			01/31/12			
	TSE-1-1.0 Submittal List Schedule											01/05/11			01/31/12			
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									06/30/11			
	EE3RESUME - ELECTRICAL ENGINEER - DAREN PHELPS					09/20/11									09/27/11			
TSE-4																		
TSE-4-1.0	FINAL DESIGN PLANS/SPECS/CALCULATIONS																	
TSE-4-2.0	230kV CIRCUIT BREAKERS	Spec	1054			06/28/11			REF	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			12/20/11				07/14/11					12/30/11			
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		11/21/11		12/14/2011	12/14/2011				12/12/11			
	SWITCHYARD ONE-LINE DIAGRAM UNITS 3 AND 4 230KV SWITCHYARD AND TRANSMISSION	DRWG	PDS-002			05/13/11		11/21/11							12/12/11			
	SWITCHYARD ONE-LINE DIAGRAM TRIP TABLE	DRWG	PDS-003					11/21/11							12/12/11			
	SWITCHYARD ONE-LINE DIAGRAM AC & DC STATION SERVICE	DRWG	PDS-030	10/17/2011	10/17/2011	05/13/11			05/20/11	12/14/2011	12/14/2011							
TSE-4-8.0	SWITCHYARD LIGHTING PANEL DIAGRAM	DRWG	PDS-031			12/05/11	02/01/12											
	SWITCHYARD LIGHTING PANEL DIAGRAM	DRWG	PDS-032			12/05/11	02/01/12											
	SWITCHYARD LIGHTING PANEL DIAGRAM	DRWG	PDS-033			12/05/11	02/01/12											
	PANEL LOAD CALCULATION	CALC	1011F			12/05/11	02/01/12											
TSE-4-9.0	Switchyard Three-Line Diagram	DRWG	PDS-010	10/28/2011	10/28/2011					1/12/2012	1/12/2012							
	Switchyard Three-Line Diagram	DRWG	PDS-011	10/28/2011	10/28/2011					1/12/2012	1/12/2012							
	Switchyard Three-Line Diagram	DRWG	PDS-012	10/28/2011	10/28/2011					1/12/2012	1/12/2012							
	Switchyard Three-Line Diagram	DRWG	PDS-013	10/28/2011	10/28/2011					1/12/2012	1/12/2012							
	Switchyard Three-Line Diagram	DRWG	PDS-014	10/28/2011	10/28/2011					1/12/2012	1/12/2012							
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	H-Frame / Monopole Drilled Pier Drawing	DRWG	PDS-950	11/11/2011	11/11/2011	11/11/11				12/9/2011	12/9/2011		12/07/11					
	H-Frame / Monopole Drilled Pier Calculations	Calculation	912B-01	11/11/2011	11/11/2011	11/11/11				12/9/2011	12/9/2011		12/07/11					
TSE-5-2.1	Switchyard Foundation Drawing	DRWG	PDS-730	11/11/2011	11/15/2011	11/18/11	12/13/11			12/9/2011	12/9/2011							
	Switchyard Breaker Foundation Drawing	DRWG	PDS-731	11/11/2011	11/15/2011	11/18/11	12/13/11			12/9/2011	12/9/2011							
	Switchyard CCVT / CTPT Support Foundation Drawings	DRWG	PDS-732	11/11/2011	11/15/2011	11/18/11	12/13/11			12/9/2011	12/9/2011							
	Switchyard Control Module Foundation Drawings	DRWG	PDS-733	11/11/2011	11/15/2011	11/18/11	12/13/11			12/9/2011	12/9/2011							
	Switchyard Rigid Bus / Disconnect Switch Support Foundation Drawings	DRWG	PDS-734	11/11/2011	11/15/2011	11/18/11	12/13/11			12/9/2011	12/9/2011							
	Switchyard Equipment Foundations Calculations	Calculation	1054-SF-01	11/11/2011	11/15/2011	11/18/11	12/13/11			12/9/2011	12/9/2011							
	Switchyard Equipment Foundations Calculations	Calculation	1066-SF-01			11/18/11	12/13/11											

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TSE-5-3.0	1066-CA-0001-001 Transmission Structures CALCs	CALCulation	1066-CA-0001-001	9/29/2011														
	1066-CA-0002-001 Equipment Structures CALCs	CALCulation	1066-CA-0002-001	9/29/2011														
TSE-5-3.1	EQUIPMENT STRUCTURES	V CALC	1066-CA-0002-001			09/29/11	10/24/11					11/15/11	11/28/11	01/06/12	01/18/12	1/19/2012		
	TRANSMISSION STRUCTURES	V CALC	1066-CA-0001-001			09/29/11	10/24/11					11/15/11	11/28/11	01/06/12	01/18/12	1/19/2012		
	ASCE 48 ANCHOR BOLT											01/06/12			01/18/12	1/19/2012		
	ASCE 48 BASE PLATE											01/06/12			01/18/12	1/19/2012		
	ASCE 113											01/06/12			01/18/12	1/19/2012		
TSE-5-3.2	230KV 3-PH LOW BUS SWITCH STAND ITEM 13 - STEEL DETAILS	V DRWG	S11-152-01			11/10/11			11/28/11			01/06/12			01/18/12			
	230KV 3-PH CVT/HIGH BUS SUPPORT STRUCTURE ITEM 14 - STEEL DETAILS	V DRWG	S11-152-02			11/10/11			11/28/11			01/06/12			01/18/12			
	230KV 3-PH HIGH BUS SUPPORT STRUCTURE ITEM 16 - STEEL DETAILS	VDRWG	S11-152-03			11/10/11			11/28/11			01/06/12			01/18/12			
	230KV 3-PH LOW 45 DEG. BUS SUPPORT STRUCUTRE ITEM 18 -STEEL DETAILS	VDRWG	S11-152-04			11/10/11			11/28/11			01/06/12			01/18/12			
	230KV 3-PH LOW BUS SUPPORT STRUCTURE ITEM 19 - STEEL DETAILS	VDRWG	S11-152-05			11/10/11			11/28/11			01/06/12			01/18/12			
	230KV 1-PH C.V.T. STAND ITEM 21 - ERECTION & STEEL DETAILS	VDRWG	S11-152-06			11/10/11			11/28/11			01/06/12			01/18/12			
	230KV 3-PH METERING CPT STAND ITEM 22 - STEEL DETAILS	VDRWG	S11-152-07			11/10/11			11/28/11			01/06/12			01/18/12			
	OVER-ALL ANCHOR BOLT PLAN	VDRWG	S11-152-AB1			11/10/11			11/28/11									
	UNIT #1 ANCHOR BOLT PLAN	VDRWG	S11-152-AB2			11/10/11			11/28/11									
	UNIT #2 & #3 ANCHOR BOLT PLAN	VDRWG	S11-152-AB3			11/10/11			11/28/11									
	UNIT #4 ANCHOR BOLT PLAN	VDRWG	S11-152-AB4			11/10/11			11/28/11									
	ANCHOR BOLT DETAILS, BASE PLATE DETAILS & ANCHOR BOLT SETTING TEMPLATES	VDRWG	S11-152-AB5			11/10/11			11/28/11									
	230KV 3-PH LOW BUS SWITCH STAND ITEM 13 - ERECTION	VDRWG	S11-152-E1			11/10/11			11/28/11			01/06/12			01/18/12			
	230KV 3-PH CVT/HIGH BUS SUPPORT STRUCTURE ITEM 14 - ERECTION	VDRWG	S11-152-E2			11/10/11			11/28/11			01/06/12			01/18/12			
	230KV 3-PH HIGH BUS SUPPORT STRUCTURE ITEM 16 - ERECTION	VDRWG	S11-152-E3			11/10/11			11/28/11			01/06/12			01/18/12			
	230KV 3-PH LOW 45 DEG. BUS SUPPORT STRUCTURE ITEM 18 -ERECTION	VDRWG	S11-152-E4			11/10/11			11/28/11			01/06/12			01/18/12			
	230KV 3-PH LOW BUS SUPPORT STRUCTURE ITEM 19 - ERECTION	VDRWG	S11-152-E5			11/10/11			11/28/11			01/06/12			01/18/12			
	230KV 3-PH METERING CPT STAND ITEM 22 -ERECTION	VDRWG	S11-152-E6			11/10/11			11/28/11			01/06/12			01/18/12			
TSE-5-3.3	TRANSMISSION STRUCUTRE DRAWINGS	VDRWG	ST-0001-001									11/15/11		01/06/12	01/18/12			
TSE-5-4.0	Switchyard General Arrangement Drawing	DRWG	PDS-500	10/6/2011	5/20/2011				06/07/11	11/11/11	11/11/11	05/20/11						
	Switchyard Detail Arrangement Drawing Unit 1	DRWG	PDS-501	10/6/2011	5/20/2011				06/07/11			05/20/11						
	Switchyard Detail Arrangement Drawing Units 2& 3	DRWG	PDS-502	10/6/2011	5/20/2011				06/07/11			05/20/11						
	Switchyard Detail Arrangement Drawing Unit 4	DRWG	PDS-503	10/6/2011	5/20/2011				06/07/11			05/20/11						
	Switchyard Bill of Material	DRWG	PDS-505	10/6/2011	5/20/2011				06/07/11			05/20/11						
	Switchyard Elevation Drawing UNITS 1 & 2	DRWG	PDS-510	10/6/2011	5/20/2011				06/07/11	11/11/11	11/11/11	05/20/11						
	Switchyard Elevation Drawing UNITS 3 & 4	DRWG	PDS-511	10/6/2011	5/20/2011				06/07/11	11/11/11	11/11/11	05/20/11						
	GSU Transformer Take-off Elevation Drawing	DRWG	PDS-513	10/6/2011	5/20/2011				06/07/11	11/11/11	11/11/11	05/20/11						
TSE-5-5.0	SWITCHYARD H-FRAME AND T-LINE STRUCTURE LOADING	DRWG	PDS-700	9/23/2011	9/23/2011	11/18/11			11/28/11	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							
	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							

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	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-5-9.0	DRILLED PIERS FOR POWER DELIVERY STRUCTURES	SPEC	912B			09/16/11			10/12/11			11/11/11			11/21/11			
TSE-5-10.0	SWITCHYARD ELECTRICAL BUILDING FOUNDATION	CALC	1057-SF-01			11/18/11			11/28/11			01/11/12			01/25/12			
	SWITCHYARD ELECTRICAL BUILDING FOUNDATION	DRWG	PDS-735			11/18/11			11/28/11			01/11/12			01/25/12			
TSE-5-10.1	SWITCHYARD ELECTRICAL BUILDING VENDOR DOCUMENTS					11/03/11		11/04/11							11/21/11			
TSE-5-11.0	SWITCHYARD INSTALLATION AND TESTING	SPEC				01/16/12			01/31/12									
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			
	UM2 CONNECTIONS														09/13/11			
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	Martix																	
	WELDING INSPECTION RECORDS		221 2187 WELD NDE			10/13/11									11/10/11			
	QUALITY MANUAL		225 QMS-01_ISO-9001			10/13/11									11/10/11			
	BOLTED RTP LIQUID TANKS INSTALLATION MANUAL		500 Q-006_BOLTED			10/13/11									11/10/11			
	ABS QUALITY EVALUATIONS		ISO_9001-2008_QE			10/13/11									11/10/11			

Comments
Submitted
Approved
Fire Marshall Review

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2.15 GEN-3

Copy of CBO Payment Made for the Month of January 2012

Name CONTRA COSTA COUNTY-CBO

St	Assignment	DocumentNo	Reference	Type	Doc. Date	Pstng Date	PK	Amount in DC	Curr.	Check number	User Name	Text	Clrng doc.
		2000000004		ZV	02/01/2011	02/01/2011	25	159,260.00	USD	1061102	00021029		2000000004
	001	5100000003	001	RN	01/11/2011	02/01/2011	31	159,260.00-	USD	1061102	00210851		2000000004
		2000000013		ZV	02/23/2011	02/23/2011	25	79,630.00	USD	1061624	BATCH_FI		2000000013
	002	5100000007	002	RN	02/01/2011	02/23/2011	31	79,630.00-	USD	1061624	00210851		2000000013
		2000000016		ZV	03/10/2011	03/10/2011	25	79,630.00	USD	1062038	BATCH_FI		2000000016
	003	5100000011	003	RN	03/01/2011	03/10/2011	31	79,630.00-	USD	1062038	00200308		2000000016
		2000000031		ZV	04/15/2011	04/15/2011	25	79,630.00	USD	1063082	BATCH_FI		2000000031
	004	5100000019	004	RN	04/01/2011	04/15/2011	31	79,630.00-	USD	1063082	00210851		2000000031
		2000000039		ZV	05/23/2011	05/23/2011	25	79,630.00	USD	1064000	BATCH_FI		2000000039
	005	5100000024	005	RN	05/03/2011	05/23/2011	31	79,630.00-	USD	1064000	00208791		2000000039
		2000000048		ZV	06/23/2011	06/23/2011	25	79,630.00	USD	1064777	BATCH_FI		2000000048
	006	5100000032	006	RN	06/01/2011	06/23/2011	31	79,630.00-	USD	1064777	00927946		2000000048
		2000000067		ZV	07/28/2011	07/28/2011	25	79,630.00	USD	1065750	BATCH_FI		2000000067
	007	5100000044	007	RN	07/01/2011	07/28/2011	31	79,630.00-	USD	1065750	00927946		2000000067
		2000000076		ZV	08/18/2011	08/18/2011	25	79,630.00	USD	1066218	BATCH_FI		2000000076
	008	5100000049	008	RN	08/01/2011	08/18/2011	31	79,630.00-	USD	1066218	00928052		2000000076
		2000000084		ZV	09/09/2011	09/09/2011	25	79,630.00	USD	1066698	BATCH_FI		2000000084
	009	5100000057	009	RN	09/01/2011	09/09/2011	31	79,630.00-	USD	1066698	00927946		2000000084
		2000000095		ZV	10/14/2011	10/14/2011	25	79,630.00	USD	1067612	BATCH_FI		2000000095
	010	5100000068	010	RN	10/03/2011	10/14/2011	31	79,630.00-	USD	1067612	00928052		2000000095
		2000000110		ZV	11/17/2011	11/17/2011	25	79,630.00	USD	1068405	BATCH_FI		2000000110
	11	5100000078	11	RN	11/01/2011	11/17/2011	31	79,630.00-	USD	1068405	00928048		2000000110
		2000000120		ZV	12/20/2011	12/20/2011	25	79,630.00	USD	1069256	BATCH_FI		2000000120
	012	5100000087	012	RN	12/01/2011	12/20/2011	31	79,630.00-	USD	1069256	00928052		2000000120
		2000000131		ZV	01/13/2012	01/13/2012	25	79,630.00	USD	1069992	BATCH_FI		2000000131
	013	5100000093	013	RN	01/13/2012	01/13/2012	31	79,630.00-	USD	1069992	00928189		2000000131
		2000000144		ZV	02/10/2012	02/10/2012	25	79,630.00	USD	1070626	BATCH_FI		2000000144
	014	5100000111	014	RN	02/01/2012	02/10/2012	31	79,630.00-	USD	1070626	00211745		2000000144
*								0.00	USD				
** Account 216950								0.00	USD				

Subsection 2.20(GEN-8)
As of 1-31-2012

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

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 : January 10, 2012
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: 8

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.

MECH-1-29.0 (CBO-0502) Reviewed for Reference Only	**STRUC-1-31.0 (CBO-0495)** Returned with Comments	**MECH-1-12.0 (CBO-0504)** Approved
MECH-1-31.0 (CBO-0503) Reviewed for Reference Only	**CIVIL-1-3.0 (CBO-0491)** Approved	**MECH-1-41.0 (CBO-0506)** Approved
ELEC-1-12.2 (CBO-0507) Returned with Comments	**CIVIL-1-11.0 (CBO-0492)** Approved	

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

Marsh Landing - CBO Transmittal Report

Title CIVIL-1-11.0 **CBO-0492** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-CM-013 rev6	12/16/11	Stormwater Plan	GF	12/22/2011	1/10/2012	Approved

Title CIVIL-1-3.0 **CBO-0491** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-ED-037 rev4	12/16/11	Rough Grading Plan	GF	12/22/2011	1/10/2012	Approved
Drawing	2009-019-ED-043 rev3	12/16/11	Rough Grading Plan	GF	12/22/2011	1/10/2012	Approved
Drawing	2009-019-ED-036 rev4	12/16/11	Rough Grading Plan	GF	12/22/2011	1/10/2012	Approved
Drawing	2009-019-ED-035 rev3	12/16/11	Rough Grading Plan	GF	12/22/2011	1/10/2012	Approved
Drawing	2009-019-ED-029 rev3	12/16/11	Rough Grading Plan	GF	12/22/2011	1/10/2012	Approved
Drawing	2009-019-ED-027 rev3	12/16/11	Rough Grading Plan	GF	12/22/2011	1/10/2012	Approved
Drawing	2009-019-ED-021 rev3	12/16/11	Rough Grading Plan	GF	12/22/2011	1/10/2012	Approved
Drawing	2009-019-ED-020 rev3	12/16/11	Rough Grading Plan	GF	12/22/2011	1/10/2012	Approved
Drawing	2009-019-ED-019 rev3	12/16/11	Rough Grading Plan	GF	12/22/2011	1/10/2012	Approved
Drawing	2009-019-ED-028 rev3	12/16/11	Rough Grading Plan	GF	12/22/2011	1/10/2012	Approved
Drawing	2009-019-ED-044rev3	12/16/11	Rough Grading Plan	GF	12/22/2011	1/10/2012	Approved

Title ELEC-1-12.2 **CBO-0507** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments

Drawing	2009-019-EO-021	Electrical One-Line Diagram Plant UPS System	MT	1/10/2012	Returned with Comments
Drawing	2009-019-EO-020	Electrical One-Line Diagram Plant 125vdc System	MT	1/10/2012	Returned with Comments

Title **MECH-1-12.0** **CBO-0504** **File No** **015F**

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-0SWT6012-1 Rev. 0		Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6010-1 Rev. 0		Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6008-1 Rev. 0		Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6006-1 Rev. 0		Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6005-1 Rev. 0		Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6001-1 Rev. 0		Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6015-1 Rev. 0		Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6013-1 Rev. 0		Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6002-1 Rev. 0		Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6025-1 Rev. 0		Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6046-1 Rev. 0		Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6016-1 Rev. 0		Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved

Drawing	2009-019-0SWT6054-1 Rev. 0	Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6058-1 Rev. 0	Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6036-1 Rev. 0	Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6011-1 Rev. 0	Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6026-1 Rev. 0	Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6040-1 Rev. 0	Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6024-1 Rev. 0	Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6022-1 Rev. 0	Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6060-1 Rev. 0	Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6021-1 Rev. 0	Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6019-1 Rev. 0	Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6018-1 Rev. 0	Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved
Drawing	2009-019-0SWT6028-1 Rev. 0	Large Bore Fabrication Isometric SWT - Service Water Treatment	MT	1/4/2012	1/10/2012	Approved

Title **MECH-1-29.0** **CBO-0502** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Drawing	2009-019-PS-376 Rev. 0		Piping & Instrumentation Diagram SWT - Service Water Treatment	MT		1/10/2012	Reviewed for Reference Only

Drawing	2009-019-PS-377 Rev. 0	Piping & Instrumentation Diagram SWT - Service Water Treatment	MT		1/10/2012	Reviewed for Reference Only
Drawing	2009-019-PS-375 Rev. 0	Piping & Instrumentation Diagram SWT - Service Water Treatment	MT		1/10/2012	Reviewed for Reference Only

Title **MECH-1-31.0** **CBO-0503** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Drawing	2009-019-PS-400 Rev. 0		Piping & Instrumentation Diagram PWS - Potable Water	MT		1/10/2012	Reviewed for Reference Only

Title **MECH-1-41.0** **CBO-0506** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Drawing	2009-019-0PWS6001-1 Rev. 0		Large Bore Fabrication Isometric PWS - Potable Water	MT	1/10/2012	1/10/2012	Approved
Drawing	2009-019-0PWS6003-1 Rev. 0		Large Bore Fabrication Isometric PWS - Potable Water	MT	1/10/2012	1/10/2012	Approved
Drawing	2009-019-0PWS6019-1 Rev. 0		Large Bore Fabrication Isometric PWS - Potable Water	MT	1/10/2012	1/10/2012	Approved
Drawing	2009-019-0PWS6022-1 Rev. 0		Large Bore Fabrication Isometric PWS - Potable Water	MT	1/10/2012	1/10/2012	Approved
Drawing	2009-019-0PWS6024-1 Rev. 0		Large Bore Fabrication Isometric PWS - Potable Water	MT	1/10/2012	1/10/2012	Approved
Drawing	2009-019-0PWS6026-1 Rev. 0		Large Bore Fabrication Isometric PWS - Potable Water	MT	1/10/2012	1/10/2012	Approved
Drawing	2009-019-0PWS6027-1 Rev. 0		Large Bore Fabrication Isometric PWS - Potable Water	MT	1/10/2012	1/10/2012	Approved

Title **STRUC-1-31.0** **CBO-0495** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*

Drawing	2009-019-SF-031 Rev. 0	Demineralized Water Tank Foundation Plan, Sections & Details	AC	1/10/2012	Returned with Comments
Calcs	910Q-03 Rev. 0	Demineralized Water Tank Foundation Plan and Details Calcs	AC	1/10/2012	Returned with Comments

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 : January 25, 2012
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.

TSE-5-10.0 (CBO-0528)
Approved

MECH-1-18.0 (CBO-0525)
Approved

MECH-1-35.0 (CBO-0510)
Reviewed for Reference Only

ELEC-1-21.1 (CBO-0511)
Reviewed for Reference Only

MECH-1-38.0 (CBO-0529)
Reviewed for Reference Only

FOR

Deborah Sandercock, S.E.
Supervising Structural Engineer

Marie Taylor
Supervising Building Inspector

Gary Faria
Senior Grading Inspector

Marsh Landing - CBO Transmittal Report

Title ELEC-1-21.1 **CBO-0511** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Doc	480V SWBD Circuits		Marsh Landing 480V Circuit Schedule	MT		1/25/2012	Reviewed for Reference Only

Title MECH-1-18.0 **CBO-0525** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-0INA6034-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6024-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6025-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6026-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6027-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6028-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6031-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6035-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6036-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6041-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved

Drawing	2009-019-0INA6042-1 rev0	Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6047-1 rev0	Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6113-1 rev0	Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6029-1 rev0	Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved

Title MECH-1-35.0 **CBO-0510** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-PS-560 rev0		Piping and Instrumentation Diagram INA - Instrument Air	MT		1/25/2012	Reviewed for Reference Only
Drawing	2009-019-PS-562 rev0		Piping and Instrumentation Diagram INA - Instrument Air	MT		1/25/2012	Reviewed for Reference Only
Drawing	2009-019-PS-561 rev0		Piping and Instrumentation Diagram INA - Instrument Air	MT		1/25/2012	Reviewed for Reference Only

Title MECH-1-38.0 **CBO-0529** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-PS-950 rev0		Piping and Instrumentation Diagram SDR - Sanitary Drains	MT		1/25/2012	Reviewed for Reference Only

Title TSE-5-10.0 **CBO-0528** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-PDS-735 rev0		Switchyard Building Foundation and Details	DS	1/25/2012	1/25/2012	Approved
Calcs	1057-SF-01 Rev 0		Switchyard Building Foundation Calc	DS	1/25/2012	1/25/2012	Approved

Subsection 2.23 (PALEONTOLOGICAL 4)

As of 1-31-2012

Worker Environmental Awareness Program Matrix

Date	**Numbers**
1/31/2012	132
Total	**132**

2.23 PAL-4

Trainer: Video
Date:
Training: WEAP
(For Office Use Only)

Marsh Landing Generating Station

WORKER ENVIRONMENTAL AWARENESS PROGRAM
WORKER TRAINING ATTENDANCE RECORD

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	Date
1.	Dzevad Muric	Dzevad Muric	KPS	12-20-11
2.	RACHEL LEANOS	[illegible]	KPS	12-20-11
3.	[illegible]	Marcello DiCicco-Austin	KPS	12-20-11
4.	Alan Rigby	Alan Rigby	KPS	12-20-11
5.	Jose Gonzalez	Jose Gonzalez	HP	12-21-11
6.	[illegible]	Jeremy Huls	Harsen	
7.	[illegible]	Matt Kennedy	Harsen PG	12/21/11
8.	[illegible]	Andrew Hill	PKS	12-21-11
9.	George E. Garcia	George E. Garcia	PKS	12-27-11
10.	[illegible]	Lance Medeiros	PKS	12-27-11
11.	[illegible]	Frank X. Sanchez	PKS	12-27-11
12.	[illegible]	Alvaro Saine	KPS	12-27-11
13.	[illegible]	Timothy Barnes	PKS	12 29 11
14.	Eugene Gaines	EUGENE GAINES	PKS	12-30-11
15.	Bruce E. Trost	Bruce E. Trost	PKS	12-30-11
16.	Jerome Mixon	JEROME MIXON	Kiewit	12/30/11
17.	[illegible]	GORDON RUCH	Kiewit	12/30/11
18.	[illegible]	Leon Martin	Kiewit	12-30-11
19.	Luke Weinstein	Luke Weinstein	Kiewit	1-3-12
20.	Thomas Turner	Thomas Turner	Kiewit	1-3-12

2.23 PAL-4

Trainer:	Video
Date:	
Training:	WEAP

(For Office Use Only)

Marsh Landing Generating Station

WORKER ENVIRONMENTAL AWARENESS PROGRAM
WORKER TRAINING ATTENDANCE RECORD

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/Date	
1.	[illegible]	PETE LOPES	1-2-2012	
2.	[illegible]	Joseph Buttley	P.K.S.	1-3-12
3.	[illegible]	TROYLAN ORTEGA	PKS	1-3-12
4.	[illegible]	Brandon Blakeslee	PKS	1-3-12
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				

Trainer: Video
Date:
Training: WEAP
(For Office Use Only)

Marsh Landing Generating Station

WORKER ENVIRONMENTAL AWARENESS PROGRAM
WORKER TRAINING ATTENDANCE RECORD

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	Date
1.		Chris Wikoff	MPSA	1/4/12
2.		KEVIN TRAN	MPSA	1/4/12
3.		Brad Schieckoff	Kiewit	1/4/12
4.		DAN ATWELL	MPSA	1/4/12
5.		ANTHONY AKPORANBARE	MPSA	1/4/12
6.		Troy Rome	Kiewit	1-5-12
7.		Tim Stewart	Kiewit	5 Jan 2012
8.	R. Paul Popejoy	R. Paul Popejoy	Kiewit	1-5-12
9.	John R. Dueñas	John R. Dueñas	Kiewit	1-5-12
10.	Armando Muñoz	Armando Muñoz	Kiewit	1-5-12
11.		Glenn Hopson	Kiewit	1-6-12
12.		Derrick Taylor	Kiewit	1-6-12
13.	Jose Suarez	Jose Suarez C.	Kiewit	1-6-12
14.	Victor Garcia	Victor Garcia	Kiewit	1-9-12
15.	Charles Phipps	Charles Phipps	Kiewit	1-9-12
16.	[illegible]	[illegible]	[illegible]	1-10-12
17.	W.L. McDaniel			
18.	W.L. McDaniel	W. L. McDANIEL	GSE	1-10-12
19.	Carlos Del Toro		GSE	1-10-12
20.	Jose gonzalez	Jose gonzalez	GSE	1.10.12

Trainer:	Video
Date:	
Training:	WEAP
(For Office Use Only)	

Marsh Landing Generating Station

WORKER ENVIRONMENTAL AWARENESS PROGRAM
WORKER TRAINING ATTENDANCE RECORD

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	Date
1.	Isidro Gonzalez	Isidro Gonzalez	GSE	1-10-12
2.	Don McNamara	Don McNamara	GSE	1-10-12
3.	Mike Draper	MIKE DRAPER	MAXIM	1-10-12
4.	Joe Sanger	Joe Sanger	GSE	1-10-12
5.	Frank Fascenda	FRANK FASCENDA	MPS	1-10-2012
6.	Robert Mulley	Robert Mulley	PKS	1-10-12
7.	Lecrista Harris	Lecrista Harris	PKS	1-10-12
8.	David Tex Anderson	DAVID TEX ANDERSON	Kiewit	1-10-12
9.	Bill Martin	Bill Martin	Kiewit	1-10-12
10.	Anthony Harrell	Anthony Harrell	Kiewit	1-10-12
11.	Zach Lewis	ZACH LEWIS	"	1-11-12
12.	Rich Bailey	Rich BAILEY	Kiewit	1-11-12
13.	[illegible]	Mike Malloy	Bigge	1-11-12
14.	[illegible]	Chris Turnwall	Bigge	1.11.12
15.	[illegible]	Marc Manfredale	BIGGE	1.11.12
16.	[illegible]	Alberto Reynoso	BIGGE	01-11-12
17.	[illegible]	Steve Slutton	BIGGE	1/11/12
18.	[illegible]	John Simpson	BIGGE	1/12/12
19.	[illegible]	Gerardo Molina	PENHALL	1-12-12
20.	[illegible]	MARK WIXSON	PENHALL	1-12-12

Trainer: Video
Date:
Training: WEAP
(For Office Use Only)

Marsh Landing Generating Station

Worker Environmental Awareness Program
Worker Training Attendance Record

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	Date
1.		Mark Willits	Kiewit	1-18-12
2.		Marcel Chavez	Kiewit	1-19-12
3.		JEFF SHIPE	Kiewit	1-19-12
4.		NELSON LOBERG	Kiewit	1-19-2012
5.		Gregory Merkel	Kiewit	1-19-2012
6.		Kelley Eichelberger	Kiewit	1/19/12
7.		Carol Gluck	Kiewit	1-19-12
8.		Noel Mitchell	Kiewit	1-19-12
9.		Jose Hernandez	PCS	1-23-12
10.		[illegible]	PCS	1-23-12
11.		Hector Moraves	PCS	1/23/12
12.		Ruben Hernandez	PCS	1-23-12
13.		Rob Hill		
14.		Raul Hill	Kiewit	1-23-12
15.		Alvaro Gutierrez	Kiewit	1-23-12
16.		FRANK FRAGO	Kiewit	1-23-12
17.		Milton Elizondo	Kiewit	1-23-12
18.		RANDALL W. SILVA	Kiewit	1-24-12
19.		Matthew M. Stakelek	Kiewit	1-24-12
20.		Matt Helton	Kiewit	1-25-12

Trainer:	Video
Date:	
Training:	WEAP

(For Office Use Only)

Marsh Landing Generating Station

WORKER ENVIRONMENTAL AWARENESS PROGRAM
WORKER TRAINING ATTENDANCE RECORD

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	Date
1.		DANIEL LATU	Kiewit	1/26/12
2.		Jerry Adams	Kiewit	1/26/12
3.		KEVIN L SMITH	Kiewit	1/26/12
4.		BOBBY HOGE	BRAND	1/27/12
5.		Jerry Heinz	Brand	1-27-12
6.		Lee McFarlane	Brand	1-27-12
7.		DAVID PATLEO	BRAND	1/27/12
8.		Gödor V. Mircea		
9.		Victor Banoiu		
10.		Eugen Budeau		
11.		Dwight Walter	Brand	1-30-12
12.		DANIEL HERNANDEZ	KIEWIT	1-30-12
13.		Jordan Davis	Kiewit	1-30-12
14.		Jose Villalba	Kiewit	1-30-12
15.		Mike Hansen	Kiewit	1-30-12
16.		Richard Ordunk	Kiewit	1-30-12
17.		DANIEL TANCO	KIEWIT	1-30-12
18.		Brian Mounsey	Kiewit	1-31-12
19.		Genevieve Lega	Kiewit	1-31-12
20.		DeShawn Blake	Kiewit	1-31-12

Trainer:	Video
Date:	
Training:	WEAP
(For Office Use Only)	

Marsh Landing Generating Station

WORKER ENVIRONMENTAL AWARENESS PROGRAM
WORKER TRAINING ATTENDANCE RECORD

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	Signature	Print Name	Company	Date
1.	Patrick Meehan	PATRICK Meehan	Kiewit	1-31-12
2.	[illegible]	BRYAN DAHL	Kiewit	01/31/12
3.	[illegible]	Dan Carver	Kiewit	01/31/12
4.	[illegible]	DAREN FLETCHER	Kiewit	01/31/12
5.	[illegible]	Quinn J. Siner	Kiewit	1/31/12
6.	[illegible]	Howard Marino	Kiewit	1-31-12
7.	Ray Hoskin	Ray Hoskin	Kiewit	2-1-12
8.	Chris Derrico	[illegible]	Kiewit	2-2-12
9.	Byart Wortham	[illegible]	Kiewit	2-3-12
10.	[illegible]	ERIC VARGO	Kiewit	2-3-12
11.	Mark W. Folk	MARK W. FOLK	KIEWIT	2/6/12
12.	[illegible]	DARRELL BUZZARD	KIEWIT	2/6/12
13.	[illegible]	Victor Macedo	Kiewit	2/6/12
14.	Clay L. Fowler	CLAY L. Fowler	Kiewit	2-7-12
15.	[illegible]	TYRONE LOCKETT	KEWIT	2-7-12
16.	Eliseo Rodderos	[illegible]	Kiewit	2-7-12
17.	[illegible]	Colman Johnson	Kiewit	2-7-12
18.	[illegible]	KEVIN MILLER	CEI	2-8-12
19.				
20.				

Trainer: Video
Date:
Training: WEAP
(For Office Use Only)

Marsh Landing Generating Station

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	Signature	Print Name	Company	Date
1.	[illegible]	Heraclio Sandoval	LAYNE	1/17/2012
2.	[illegible]	David Kahn	Envirosurvey	1/17/2012
3.	[illegible]	Steven Tam	"	1/17/12
4.	Francisco J Sand.	Francisco J Sand.	LAYNE	1-17-12
5.	Joe Vojvoda	Joe Vojvoda	clean cut	1-17/12
6.	Auston Fitzjarrald	Auston Fitzjarrald	F3	1/17/12
7.	Reggie Humphrey	Reggie Humphrey	PCS	1/17/12
8.	Aaron Morgan	Aaron Morgan	Kiewit operator	1/17/12
9.	TROY P. WYLIE	[illegible]	Kiewit carpenter	1-17-2012
10.	Bryan Dorton	[illegible]	Kiewit operator	1-17-12
11.	Kyle Weeks	[illegible]	Kiewit	1/17/12
12.	Howard Gross	[illegible]	Kiewit	1/17/12
13.	[illegible]	James Kendle	Kiewit	1/17/12
14.	[illegible]	Thomas Sienwright	Kiewit	1-17-2012
15.	[illegible]	GARY McLOSKY	Kiewit	1-17-12
16.	[illegible]	TIM JEFFERS	kiewit	1-17-12
17.	[illegible]	Antonio Montoya	Kiewit	1-17 2012
18.	Bismark M Nuñez	Bismark Nuñez	Kiewit	1-17-12
19.	[illegible]	Herb D. Urias	Kiewit	1-17-12
20.	[illegible]	DENNIS DORTON	"	1-17-12

Trainer:	Video
Date:	
Training:	WEAP
	(For Office Use Only)

Marsh Landing Generating Station

WORKER ENVIRONMENTAL AWARENESS PROGRAM
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	Signature	Print Name	Company	Date
1.		Gregory Gaggetta	Kiewit	1-12-12
2.		Aspen Eisenhower	Kiewit	1-12-12
3.		Trevor CHAMPION	KIEWIT	1/12/12
4.		HAPoCoRe	KIEWIT	1/12/2012
5.		DAVE ZOCEHI	"	"
6.		Michael A Kewt	Kiewit	1-12-2012
7.		Frank J. LOZANO	Kiewit	1-12-12
8.		Avery C Roper	Kiewit	1-12-12
9.		Jeff Maples	Kewit	1-12-12
10.	FRANK SIG		"	"
11.		DAVID WILLARD	KIEWIT	1/13/2012
12.		Richard Taylor	Kewit	1/13/12
13.		Charles E Mickelson	Kiewit	1/13/12
14.		Earl J. Hoeker	Kiewit	1/13/12
15.		KRYSTOFER COSTA MEDEIROS	KIEWIT	1/13/12
16.		SENAD KAPIC	Kiewit	1/13-/12
17.		Jose Luis Gutierrez	Kiewit	1-13-12
18.		David Fredrick	Kiewit	1/13/12
19.		Brian Brand	"	1 13 12
20.		Steve Hallett	Kiewit	1-16-12
		Ricardo Fajardo	PCS	1/17/12

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

January 2012

Feb 5, 2012

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 Ms. Stora:

This letter report summarizes the paleontological resources monitoring activities which took place at the Marsh Landing Generating Station (MLGS) construction site in January 2012.

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 monitors monitored all trenching and excavation of previously undisturbed sediments at Marsh Landing. Pile driving ended in December while processing of sediment samples for microvertebrate fossils continued. The monitoring of the augering for the pile driving started as full-time monitoring, but had been reduced to two days/week as of August 22 by agreement of the CPM. The full-time monitoring of augering had resumed on 29 August because of discovery of significant vertebrate fossils in the spoils. Subsequent monitoring of the augering demonstrated that the stratum producing the fossils was limited to the northern part of the area where the augering was taking place. Thus, a request was made on 20 September to process samples from only certain pre-selected augering holes. The CPM agreed to this plan on September 22. Monitoring of the augering reverted to two days/week, and samples were taken only where the darker producing zone was encountered. Pile driving ceased after November 2. Processing of sediment samples continued as possible during breaks in the monitoring. Pile driving resumed on December 12, but was completed on December 30.

Paleontological monitoring of the northern foundation area took place on January 4, 5, 6, 9, 10, 11, 12, 17, 18, 19, 20, 24, 25, 26, 27, 28, 30, and 31. Trenching in the electrical duct banks occurred on January 4, 5, 6, 9, 10, 11, 12, 17, 18, 19, 20, 26, 27, 28, 30, and 31. No fossils were discovered while monitoring, but microvertebrate fossils were recovered from processing sediment samples on January 4, 5, 9, 11, 13, 16, 24, 30, and 31. Fossils from sediment samples collected in December and picked in January were identified. These included fish bones and teeth of *Thomomys* (a gopher) and a heteromyid rodent.

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, January 2012

Date	Monitors	Activities/Observations	Discoveries
1.03.2012	Richard Serrano	general	None
1.03.2012	Annette Cornelius	Processing sediment samples	None
1.04.2012	Richard Serrano	Northern Foundation area/Electrical duct bank S2	None
1.04.2012	Annette Cornelius	Processing sediment samples	Microvertebrate fossils
1.05. 2012	Richard Serrano	Northern Foundation area/Electrical duct bank S2	None
1.05.2012	Annette Cornelius	Picking concentrate and process sediment samples	Microvertebrate fossils
1.06.2012	Annette Cornelius	Duct bank S and T	None

1.09.2012	Richard Serrano	Northern Foundation area/ electrical duct banks S and T	None
1.09.2012	Annette Cornelius	Processing sediment samples	Microvertebrate fossils
1.10.2012	Richard Serrano	Northern Foundation area/electrical duct bank S	None
1.10.2012	Annette Cornelius	Processing sediment samples	None
1.11.2012	Richard Serrano	North Foundation area/electrical duct bank S	None
1.11.2012	Annette Cornelius	Processing sediment samples	Microvertebrate fossils
1.12.2012	Richard Serrano	Northern Foundation area/electrical duct bank T	None
1.13.2012	Richard Serrano	General	None
1.13.2012	Annette Cornelius	Processing sediment samples	Microvertebrate fossils
1.16.2012	Annette Cornelius	Processing sediment samples	Microvertebrate fossils
1.17.2012	Richard Serrano	North Foundation area/electrical duct bank T	None
1.17.2012	Annette Cornelius	Well drilling/processing sediment samples	None
1.18.2012	Richard Serrano	Northern Foundation area/electrical duct bankT	None
1.18.2012	Annette Cornelius	Well drilling/processing sediment samples	None
1.19.2012	Richard Serrano	Northern Foundation area/electrical duct bank T	None
1.20.2012	Richard Serrano	Northern Foundation area/electrical duct bank T	None
1.20.2012	Annette Cornelius	Gas line excavation/processing sediment samples	None
1.23.2012	Annette Cornelius	Gas line excavation/processing sediment samples	None
1.24.2012	Annette Cornelius	Processing sediment samples	Gopher tooth
1.24.2012	Richard Serrano	Northern Foundation area	None
1.25.2012	Annette Cornelius	Processing sediment samples	None
1.25.2012	Richard Serrano	Northern Foundation area	None
1.26.2012	Annette Cornelius	Gas pipeline, duct bank T	None
1.26.2012	Richard Serrano	Northern Foundation area/electrical duct banks T and V	None

1.27.2012	Annette Cornelius	Processing sediment samples	None
1.27.2012	Richard Serrano	Northern Foundation area/electrical duct bank T	None
1.28.2012	Richard Serrano	Northern Foundation area/electrical duct bank T	None
1.30.2012	Annette Cornelius	Processing sediment samples	Microvertebrate fossils
1.30.2012	Richard Serrano	Northern Foundation area/electrical duct bank T	None
1.31.2012	Annette Cornelius	Processing sediment samples	None
1.31.2012	Richard Serrano	Northern Foundation area/electrical duct bank T	None

Conditions/LORS Compliance

No instances of non-compliance with the Conditions of Certification or applicable LORS were recorded.

Summary and Conclusions

Paleontological resources monitoring took place between January 3 and January 31, 2012. All ground disturbing activities in previously undisturbed sediments throughout the MLGS project area were monitored. Possible paleontological resources were discovered on eight days. Monitoring is ongoing, and will continue full-time during trenching and excavation. Monitoring of pile driving is complete. Processing of sediment samples will continue as necessary and 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
January 2012
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: Jan. 3, 2012

Page: 1 of 1

Monitor: Richard Serrano

Total Hrs: 7 Total Mi: 256

Time in: 6:49 AM

Time out: 2:30 PM

Project areas monitored:
No monitoring was done today.

Fossils: No fossils were discovered today.

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

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)
Foggy in morning clearing later.
No safety concerns today.

Excavation conditions: (status / equipment / cuts / access) Safe and good.

Other Observations & Comments: No new excavations in morn.
Excavations in afternoon are all in fill material.

Assist Annette C. with transport of remaining samples from pile driving to storage area. Others moved to wash area.

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_6

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 3 ~~Dec~~ Jan 2012

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 8 Total Mi: 160

Project areas monitored: screen washing

Time in: 7:00

Time out: 3:30

Fossils: none observed

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / cutbacks / faults)
massive sand dune deposit

Lithology: ~~Grain sizes~~ (F / M / C) Color: tan to dk. brown Texture: _____ Sorting: mod to 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)

Other Observations & Comments: wash two buckets
move buckets off construction to storage area
paperwork from Richard
purchase gloves for washing
inventory of recent samples collected and total buckets - 233

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: Jan. 4 , 2012

Page: 1 of 1

Monitor: Richard Serrano

Total Hrs: 10 **Total Mi:** 256

Project areas monitored:

Northern Foundation Area

Time in: 6:50AM

Time out: 5:00 PM

Fossils: No fossil discoveries were made today.

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

Fill over tan and drk. Brn silty sands.

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)

Foggy in the morning then clearing and warming in afternoon.

There were no safety concerns today.

Excavation conditions: (status / equipment / cuts / access) _____ Access was safe and good.

Excavations were done using a CAT 349E excavator.

Other Observations & Comments:

There was no new excavations in the morn.

Monitor excavation for elect. Duct bank S2. This was not 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

2.24 PAL-5

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 4 Jan 2012

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 7 **Total Mi:** Ø

Project areas monitored: picking sand / screenwash concentrate

Time in: 8:00

Time out: 3:30

Fossils: SF75D43 – vkn; glass shard/flake
SF75D55 – tooth; bone frag
SF08-21 – articulated bone; two glass flake
SF75D-01 – two ~~teeth~~ teeth; bone frag

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

Lithology: ~~Grain size:~~ (F / M / C) **Color:** tan - dk brown **Texture:** _____ **Sorting:** Ø
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)
Ø

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

Other Observations & Comments:
SF 75D 01; 43; 55; 69
SF 75B 21

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: Jan. 5, 2012

Page: 1 of 1

Monitor: richard Serrano

Total Hrs: 9.5 **Total Mi:** 257

Project areas monitored: Northern Foundation Area

Time in: 8:00 AM

Time out: 5:00 PM

Fossils: There were no fossils discovered today.

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

There were no notable changes to sediments.

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)

Weather was clear and sunny, cool in the morn. than warming in the afternooon.

There were no safety concerns today.

Excavation conditions: (status / equipment / cuts / access) _____ Access was safe and good.

Excavations were done using a CAT 349E excavator.

Other Observations & Comments:

Monitor excavations for elect. duct bank S2.

All other ground work today did not impact native sediments.

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: 5 Jan 2012

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 6.5 **Total Mi:** Ø

Project areas monitored: picking sand / screenwash concentrate

Time in: 8:00

Time out: 3:00

Fossils: SF75B-21 bone frag

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

Sand dune deposit

Lithology: ***Grain size:*** (F / M / C) ***Color:*** tan - dk brown ***Texture:*** _____ ***Sorting:*** Ø

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)

Ø

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

Other Observations & Comments:

SF75B-47
SF08-06; 21
SF08-06 - not completely picked through concentrate

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: 6 Jan 2012

Page: 1 of 1

Monitor: Annette Cornelius

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

Project areas monitored: duct bank S and T

Time in: 7:00

Time out: 3:30

Fossils: none

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

sand dune deposit

dark silty sand layer ≈ 8 ft elevation

Lithology: ~~Grain size:~~ (F / M / C) **Color:** tan to dk brown **Texture:** _____ **Sorting:** mod-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) S and T ducts to 6.2 ft elevation

T duct to 5.042 ft elevation

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: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: Jan. 9 , 2012

Page: 1 of 1

Monitor: Richard Serrano

Total Hrs: 9.5 **Total Mi:** 257

Project areas monitored:

Northern Foundation Area

Time in: 6:47 AM

Time out: 4:30

Fossils: No fossil discoveries were made today.

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

Fill over tan and drk. Brn silty sands.

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)

Clear cool in the morn. Warming in the afternoon.

There were no safety concerns today.

Excavation conditions: (status / equipment / cuts / access) _____ Access was safe and good.

Excavations were done using a CAT 349E e: and 328 B excavators.

Other Observations & Comments:

Monitor excavations for elect. Duct banks S and T. Both excavations were in native sediments.

All other work today was in fill or was backfill work.

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: 9 Jan 2012

Page: 1 of 1

Monitor: Annette Cornelius

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

Project areas monitored: screen wash

Time in: 7:00

Time out: 3:30

Fossils: SF 75C-78 one end articulated small/microfossil bone
SF75C-31 four partial microfossil bones

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

Lithology: ~~Grain size:~~ (F / M / C) **Color:** browns **Texture:** _____ **Sorting:** mod-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)
clear skys, no wind

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

Other Observations & Comments:
SF75C 31 ; 78 ; 65
SF61-7
make sure all buckets are properly labled

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: Jan. 10 , 2012

Page: 1 of 1

Monitor: Richard Serrano

Total Hrs: 9 **Total Mi:** 256

Project areas monitored: Northern Foundation Area

Time in: 6:47AM

Time out: 4:00 PM

Fossils: No fossil discoveries were made today.

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

Fill over tan and drk. Brn silty sands.

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)

Slightly over cast in the morn. and cool warming in the afternoon.

There were no safety concerns today.

Excavation conditions: (status / equipment / cuts / access) _____ Access was safe and good.

Excavations were done using a CAT 349E excavator.

Other Observations & Comments:

There was no new excavations in the morn.

Monitor completion of work started on elect. duct bank S.

Assist Annette C. with transport of 5 gal. buckets to wash.

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: 10 Jan 2012

Page: 1 of 1

Monitor: Annette Cornelius

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

Project areas monitored: screen wash samples

Time in: 7:00

Time out: 3:30

Fossils: no fossils observed

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

sand dune deposit

Lithology: ~~Grain size:~~ (F / M / C) **Color:** browns **Texture:** _____ **Sorting:** mod - 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)

slight fog in AM, cleared to ~~to~~ low 60's

Excavation conditions: (status / equipment / ~~pits~~ / access) Ø

Other Observations & Comments: washed samples

SF61 - 04, 05, 10, 12

SF51 - 10

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: Jan. 11, 2012

Page: 1 of 1

Monitor: Richard Serrano

Total Hrs: 9.5 **Total Mi:** 257

Project areas monitored:

North Building Foundation Area

Time in: 6:42 AM

Time out: 5:00 PM

Fossils: No fossils were discovered today.

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

No notable changes to sediments.

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)

Clear and sunny cool in the morning, warming in the afternoon.

There were no safety concerns today.

Excavation conditions: (status / equipment / cuts / access) _____ Access was safe and good.

Excavations were done using CAT 349E and 328B excavators.

Other Observations & Comments:

Monitor excavations for elect. duct bank S.

Assist Annette C. with transport of 5 gal. buckets to screen wash area.

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 July 2012

Page: 1 of 1

Monitor: Annette Cornelius

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

Project areas monitored: screenwash samples ~~picking concentrate~~

Time in: 7:00

Time out: 3:30

Fossils: SF 51-40 charcoal; unkn possible fossil
SF 51-34 " ; tiny bone frag - unarticulated

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

Lithology: ***Grain size:*** (F / M / C) ***Color:*** tan and dk brown ***Texture:*** _____ ***Sorting:*** mod-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)
warm low to mid 60's - no wind

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

Other Observations & Comments: washed samples
SF 51-15; 34; 40
SF 48-05; 23

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: Jan. 12 , 2012

Page: 1 of 1

Monitor: Richard Serrano

Total Hrs: 9 **Total Mi:** 256

Project areas monitored: Northern Foundation Area

Time in: 6:58AM

Time out: 4:00 PM

Fossils: No fossils were discovered during today's excavations.

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

Fill over tan and drk. Brn silty sands.

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)

Clear and sunny cool in the morning and warming in the afternoon.

There were no safety concerns today.

Excavation conditions: (status / equipment / cuts / access) _____ Access was safe and good.

Excavations were done using a CAT 349E excavator.

Other Observations & Comments:

Monitor excavation for elect. duct bank T.

All other work was in engineered 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: Jan. 13 , 2012

Page: 1 of 1

Monitor: Richard Serrano

Total Hrs: 6.5 **Total Mi:** 256

Project areas monitored:

None

Time in: 6:50AM

Time out: 1:30 PM

Fossils: No fossil discoveries were made today.

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

N/A

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)

Clear and sunny cool in the morn. / warming in the afternoon. CEC personel on site today.

There were no safety concerns today.

Excavation conditions: (status / equipment / cuts / access) _____ Access was safe and good.

N / A

Other Observations & Comments:

There was no new excavations 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

2.24 PAL-5

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 13 Jan 2012

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 8 **Total Mi:** Ø

Project areas monitored: screenwash picking concentrate

Time in: 7:00

Time out: 3:30

Fossils:
SF08-06 obsedian shard
SF 08-64 obsedian shard - 7 fossil fragments

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

Lithology: *Grain size:* (F / M / C) *Color:* _____ *Texture:* _____ *Sorting:* mod-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) Ø

Other Observations & Comments:
SF 08-05; 06; 64

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: 16 Jan 2012

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 7 **Total Mi:** Ø

Project areas monitored: Searching Screen wash Concentrate

Time in:

Time out:

Fossils: SF75C-56 bone fragment - modern?
SF75C-78 3 fossils ; 3 unk.

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

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

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

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

Other Observations & Comments:
SF075C-56
" 77
" 78
SE61-05

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: Jan. 17, 2012

Page: 1 of 1

Monitor: Richard Serrano

Total Hrs: 9 **Total Mi:** 257

Project areas monitored: North foundation Area

Time in: 6: 48 AM

Time out: 5:00 PM

Fossils: No fossil discoveries were made today.

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

There were no notable changes to sediments

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)

Clear and sunny. Cool in the morning then warming.

There were no safety concerns today.

Excavation conditions: (status / equipment / cuts / access) Access was safe and good.

Excavations were done using a CAT 349E excavcator.

Other Observations & Comments:

Monitor excavations for elect. duct bank T.

Drilling for water test wells is taking place 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

2.24 PAL-5

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 17 Jan 2012

Page: 1 of 1

Monitor: Annette Cornelius

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

Project areas monitored: Screenwash / monitoring well installation

Time in: 7:00

Time out: 3:30

Fossils: none observed

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

Sand dune deposit

No color change observed in spoils of 60ft bgs well - gw impacted ≈ 25ft - 60ft bgs

Lithology: ~~Grain size:~~ (F / M / C) **Color:** brown - lt brown **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 / _____

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

Sid Pim for RWQCB regarding contamination site west of MLGS

James Thomas geologist for RWQCB

Excavation conditions: (status / equipment / cuts / access) 2 inch well

Other Observations & Comments: SF48-05 sample high clay (fat clay) content

Sample from well (Sandy / ~~Clay~~) @ 35/~~38~~ ft and 60ft

Raja = tomorrow) Second well to 30ft drilled tomorrow

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: Jan. 18 , 2012

Page: 1 of 1

Monitor: Richard Serrano

Total Hrs: 9 **Total Mi:** 256

Project areas monitored: Northern Foundation Area

Time in: 6: 48 AM

Time out: 4: 00 PM

Fossils: No fossil discoveries were made today.

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults
Sediments remain the same.

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)
clear and sunny in the morn. Cool then warming. Becoming cloudy inafterrnoon. Rain expected.
There were no safety concerns today.

Excavation conditions: (status / equipment / cuts / access) _____ Access was safe and good.
Excavations were done using a CAT 349E excavator.

Other Observations & Comments:
Monitor continued excavations for elect. duct bank T.
Drilling for second water test well today.
Excavations in afternoon were 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

2.24 PAL-6

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 18 Jan 2012

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 9 Total Mi: 160

Project areas monitored: monitoring well install; screen wash

Time in: 7:00

Time out: 4:30

Fossils:

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

Lithology: ~~Grain size:~~ (F / M / C) Color: tan - dk brown Texture: Sorting: mod

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)
James Taylor RWQCB; Brad of Layne for well

Excavation conditions: (status / equipment / cuts / access) hollow stem auger - no split spoon sampling
well location - #125 Richards GPS 10S 0608264; UTM 4208301 50ft elevation?

Other Observations & Comments:
SF 48-04 high clay (fat clay) tan color
SF 48-13 high silt minimal sand dark color 51-24; 48-18
1st southern well re-drilled yesterday set today; start shallow 30ft well
(north of 1st well 1 to 25ft) collected samples @ 20ft and 30ft bgs

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: Jan. 19 , 2012

Page: 1 of 1

Monitor: Richard Serrano

Total Hrs: 9 **Total Mi:** 257

Project areas monitored: Northern Foundation Area

Time in: 6:48 AM

Time out: 4:00 PM

Fossils: No fossil discoveries were made today.

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

There were no changes to sediments.

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)

Over cast and cool, rain expected.

There were no safety concerns today.

Excavation conditions: (status / equipment / cuts / access) _____ Access was safe and good.

Excavations were done using a CAT 349E excavator.

Other Observations & Comments:

Monitor continued excavations for elect. duct bank T.

Excavation for gas fuel line is at -4 ft. and in native below approx 1 ft. of predisturbed.

All other ground work is in fill or work work to prepare for in coming rain.

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: Jan. 20 , 2012

Page: 1 of 1

Monitor: Richard Serrano

Total Hrs: 9 **Total Mi:** 256

Project areas monitored: Northern Foundation Area

Time in: 6:50 AM

Time out: 4:00 PM

Fossils: No fossil discoveries were made today.

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults
Sediments remain unchanged here.

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)
some rain overnight and raining off and on during the day.
Slippery wet and muddy conditions today.

Excavation conditions: (status / equipment / cuts / access) _____ Access was safe and good.
Excavations were done using a (CAT 349 E and 315 excavators.

Other Observations & Comments:
Monitor additional ecvations for elect. duct bank T and spot check trenching for gas fuel line.

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 PALE

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 10 Jan 2012

Page: 1 of 1

Monitor: Kenneth Cornelius

Total Hrs: 8 Total Mi: 160

Project areas monitored: screen wash; gas line excavations East end

Time in: 7:00

Time out: 3:30

Fossils:

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

gas pipeline - road base (3 inch) fill (6 inch); red clay mottled fill (2 inch) fill - has black clumps possibly tar? bottom 3 ft native - two red/brown layers @ 1.5 and 3 ft bgs w/ 0.5 ft thick w/ tan layer inbetween lower red/brown layer is 1 ft thick to bottom of excavations.

Lithology: ~~Grain size:~~ (F / M / C) Color: see below 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)

rain - wind / gusts & high wind

Excavation conditions: (status / equipment / cuts / cores) gas line down 4 ft below existing road

Other Observations & Comments:

SF 42-2; 38; 47 high silt w/ sand little to no clay

SF 42-41 silty sand with red/brown ~~[illegible]~~ and tan clay

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: 23 Jan 2002

Page: 1 of 1

Monitor: Annette, Cornelius

Total Hrs: 8 Total Mi: 160

Project areas monitored: gas pipe line east end; Sequan wash

Time in: 7:00

Time out: 3:30

Fossils: none observed in sequan wash, gas line, or other trenches on main area of construction

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults)
Sand dune deposit
no change in stratigraphy in trench (top 1 ft fill, bottom 3 ft native - with red/brown layer (≥ 0.5 ft) tan layer (≥ 1 ft) remaining 1.5 ft red/brown layer) silty sand

Lithology: Grain size: (F / M / C) Color: red/brown - 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)
rain in am - walked around main project - no excavations due to saturated material

Excavation conditions: (status / equipment / cuts / caves) (gas line) trench filled with water - most of excavations to clean out, re-establishing sloped walls.

Other Observations & Comments:
Excavations on gas line stopped @ 2pm due to confined-space training. Sequan washed for the remainder of the day.
SF 42-08 high silt/sand w/ some clay.

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: 24 Jan 2012

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 8 Total Mi: 160

Project areas monitored:

Time in: 7:00

Time out: 3:30

screenwashing

Fossils: gopher tooth possibly modern

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

wet samples - silty sand both South well - coarser grained 95% break-down

'glacial till' sample - highly calcified (unvitrified) only 40-50% break down with gray, brown, tan colors

Lithology: Grain size: (F / M / C) Color: gray and browns 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 / for glacial till / flow sample

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

sunny / partly cloudy

Excavation conditions: (status / equipment / cuts / cones) Ø

Other Observations & Comments:

washed 35/38 ft and 60 ft samples from Southern well

20 and 30 ~~feet~~ foot samples from northern well

'glacial till' material collected from man hole 3 (Dirt bank R) possibly

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: Jan. 24 , 2012

Page: 1 of 1

Monitor: Richard Serrano

Total Hrs: 8 **Total Mi:** 256

Project areas monitored: Northern Foundation Area

Time in: 6:45 AM

Time out: 3:30 PM

Fossils: No fossil discoveries were made today.

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

N/A

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)

Partly cloudy,with very wet conditions.

Very wet, muddy and slippery conditions due to recent rains.

Excavation conditions: (status / equipment / cuts / access) Access was safe and good.

Excavations were done using a CAT 349E excavator.

Other Observations & Comments:

Review recent excavations and spoils for exposed resources washed out by recent rains.

No new excavations were done today. All dirt work consisted of clean up and regrooming

of rain eroded slopes.

Assist Annette C. with transport of 5 gal. buckets to wash area.

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: 25 July 2012

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 10.5 **Total Mi:** 83

Project areas monitored: Screen washing; ~~West~~ East of R (S?) dirt bank

Time in: 7:00Am 4:00 pm

Time out: 2:00pm 8:00 pm

Fossils: none observed

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

Sand dune deposit

Lithology: ~~Grain size:~~ (F / M / C) **Color:** dark to tan 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)

unseasonably warm; partly cloudy

Excavation conditions: (status / equipment / cuts / access) cleaning up slopes from rain damage

Other Observations & Comments: in AM completed inventory of remaining buckets

Stella Bran @ 1pm indicated cleaning up trenches would impact native

Clay @ 1:45pm " " could/might "

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: Jan. 25 , 2012

Page: 1 of 1

Monitor: Richard Serrano

Total Hrs: 13.5 **Total Mi:** 136

Project areas monitored:

Northern Foundation Area

Time in: 6:47 AM / 8:00 PM

Time out: 4:30 PM / 12:00 AM

Fossils: No fossil discoveries were made today.

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

None visable in today's excavations.

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)

Over cast and clearing slightly in the afternoon, warming.

There were no safety concerns today.

Excavation conditions: (status / equipment / cuts / access) Access was safe and good.

Today's work was done using a CAT 305 GR excavator.

Other Observations & Comments:

Monitor clean up of deeper excavationsaffected by rains, as these reimpacted native sediments.

Trenching for gas fuel line continues, this is only spot checked.

Assist Annette C. with 5 gal. bucketss for screening.

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 Jan 2012

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 9 Total Mi: 83

Project areas monitored: gas pipeline; Duct banks T main and T

Time in: 7:00

Time out: 4:30

Fossils: tank, and V

none observed

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

T main - to 8.5 ft elev tan; 7.5 ft to 5.2 ft elev dark silty layer; 5.2-5.0 ft elev tan; 5.0 ft to 4.7 ft elev 2nd dark silty layer on N wall of trench only - south wall 7.5 to 4.7 dark silty layer.

T tank - orange pebble/clay layer 10 ft elev (0.5 ft) at 8 ft elev start of dark silty layer. Remaining trench brown silty sand.

V duct bank - 11-10 ft elev - orange pebbly/clay layer; 10-7.2 ft elev dark silty sand.

Lithology: Grain size: (F) M / (C) → only in fill Color: tan to dk 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)

wind picked up in afternoon; partly cloudy

Excavation conditions: (status / equipment / cuts / access) T main to 5.0 ft elev, T tank to 7.5 ft elev V to 7.2 ft elev

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: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: Jan. 26 , 2012

Page: 1 of 1

Monitor: Richard Serrano

Total Hrs: 6.5 **Total Mi:** 10

Project areas monitored:

Northern Foundation Area

Time in: 10:00 AM / 4:00 PM

Time out: 12:30 PM / 8:00 PM

Fossils: No fossil discoveries were made today.

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

There were no notable changes.

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)

Cloudy with temps in the mid 60's.

There were no safety concerns today.

Excavation conditions: (status / equipment / cuts / access) _____ Access was safe and good.

Excavations were done using a CAT 349 E, 315 B and 305 GR excavators.

Other Observations & Comments:

Monitor continued excavations for elect. duct banks T and V.

Trenching for gas fuel line continues.

Back fill work is not monitored.

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: 27 Jan 2012

Page: 1 of 1

Monitor: Annette Cornelius

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

Project areas monitored: Screen wash

Time in: 7:00

Time out: 3:30

Fossils: none observed

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

Sand dune deposit

SF78-21; SF75D-25; 31; 77 sandy silt - all silty wash out on 1st screen w/ angular to rounded pebbles

Lithology: ~~Grain size:~~ (F / M / C) **Color:** tan/dk brown - black **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)

Sunny / windy

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

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: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: Jan. 27 , 2012

Page: 1 of 1

Monitor: Richard Serrano

Total Hrs: 9 **Total Mi:** 10

Project areas monitored: Northern Foundation Area

Time in: 6:50 AM

Time out: 4:00 PM

Fossils: No fossil discoveries were made today.

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults
No cahnges to sediments was noted.

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)
Clear and sunny with light winds and cool temps.
There were no safety concerns today.

Excavation conditions: (status / equipment / cuts / access) _____ Access was safe and good.
Excavations were done using a CAT 349E ε and 315B excavators.

Other Observations & Comments:
Monitor continued excavations for elct. duct bank T.
Trenching for gas fuel line is being done by hand due to the numerous exsisting lines it is
currently passing.
all other ground work is back fill and compaction and is not monitored.

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: Jan. 28 , 2012

Page: 1 of 1

Monitor: Richard Serrano

Total Hrs: 8.5 **Total Mi:** 135

Project areas monitored: Northern Foundation Area

Time in: 6:35 AM

Time out: 4:00 PM

Fossils: No fossil discoveries were made today.

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults
No changes to sediments or their deposition was noted.

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)
Slightly over cast cool in the morn. than warming in afternoon.
There were no safety concerns today.

Excavation conditions: (status / equipment / cuts / access) Access was safe and good.
Today's work was done using a CAT 328D excavator.

Other Observations & Comments:
Monitor continued excavations for elect. duct banks T.

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: 30 Jan 2012

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 8 **Total Mi:** ∅

Project areas monitored: searching sample concentrate

Time in: 8:00

Time out: 4:30

Fossils: SF75D-25 black tooth?
SF75D-31 bone frag
SF42-02 vert
SF51-40 bone frag
SF51-24 modern?

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

sandy silt – SF42-08; SF42-02; SF42-47; SF42-38
SF51-24; SF51-40
SF75D-25; SF75D-31

Lithology: ***Grain size:*** (F / M / C) ***Color:*** tan to dk brown ***Texture:*** _____ ***Sorting:*** _____
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)
work from home

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

Other Observations & Comments:
sand picked (see stratigraphy above)
SF75D-25 obsidian shard?

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: _____

PALEONTOLOGICAL MONITORING SHEET

Project Manager: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: Jan 30, 2012

Page: 1 of 1

Monitor: Richard Serrano

Total Hrs: 9.5 Total to: 256

Project areas monitored: North Foundation Area

Time in: 6:50 AM

Time out: 4:30 PM

Fossils: No discoveries made today.

* Faunal bone collected.

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

No Changes

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)

Overcast, Cloudy, breeze in morn. Cont.

No Safety Concerns

Excavation conditions: (status / equipment / cuts / access) Safe and good.

CAT 328D

Other Observations & Comments:

Monitor excavating for Elect. duct banks & Trenching for fuel line continues.

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: 31 Jan 2012

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 7.25 **Total Mi:** Ø

Project areas monitored: Searching Sample Concentrate

Time in: 8:00

Time out: 3:45

Fossils: SF48-05 vkn
~~North well @ 20-ft~~
South well @ 35-38ft

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

silty sand - SF48-04; SF48-05
South well @ 35-38ft

sandy silt - SF61-05; SF61-10

Lithology: *Grain size:* (F / M / C) *Color:* tan to dk brown *Texture:* _____ *Sorting:* _____
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)
work from home

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

Other Observations & Comments:
sand picked (see stratigraphy above).

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: Jan. 31, 2012

Page: 1 of 1

Monitor: Richard Serrano

Total Hrs: 10 Total Mi: 257

Project areas monitored:

Northern Foundation Area / East of Plant, near [illegible] Safety Fuel

Time in: 6:48 AM

Time out: 5:30 PM

Fossils: No fossil discoveries were made today.

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

No Changes.

Lithology: *Grain size:* (F / M / C) *Colour:* Tan / dark brown *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)

Over cast, cool and breezy.

There were no safety concerns today.

Excavation conditions: (status / equipment / cuts / access) → Access was safe and good.

Excavations were done using a CAT 349E excavator.

Other Observations & Comments:

Monitor continued excavations for elect. duct banks T. Excavation for gas fuel line continues also. Trenching for temp elect. to warehouse, only 3'. All other work is in fill or back fill work.

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: _____

Subsection 2.25(Soil & Water-2)

As of 1-31-2012

Report of Effectiveness of Drainage , Erosion & Sediment Control

Drainage	No Issue to report	
Erosion	No Issue to report	
Sedimentation Control	No Issue to report	(See Note 4)

(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

4.0 During a qualifying rain event between Jan 19, 2012 and Jan 23, 2012 with a total rain fall of 1.5" resulted in turbidity exceeding the NAL for risk level 2. This is NOT a violation per the Construction General Permit and Numeric Action Level. Kiewit had necessary taken action and completed BMP modification on all Inlet M-001, M-002, M-003, M-005 and M-007. During this rain event Kiewt also sealed outlet M-007.

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 : January 18, 2012
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-1-3.1 (CBO-0518)
Approved with Fire Approval

STRUC-1-1.1 (CBO-0516)
Approved

TSE-5-3.1 (CBO-0513)
Approved / Reviewed for Reference Only

TSE-5-3.2 (CBO-0514)
Approved

TSE-5-3.3 (CBO-0515)
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

Title STRUC-1-1.1 **CBO-0516** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Concrete Mix Specs	5000psi - High Early - H40H15		5000psi - High Early - H40H1532 - Brentwood	DS	1/18/2012	1/18/2012	Approved

Title STRUC-1-3.1 **CBO-0518** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-SF-053 Rev. 1		Ammonia Containment Area Foundation Sections & Details	FW	1/10/2012	1/18/2012	Approved with Fire Approval
Drawing	2009-019-SF-052 Rev. 1		Ammonia Containment Area Foundation Plan & Unloading Slab	FW	1/10/2012	1/18/2012	Approved with Fire Approval
Calcs	910V-02 Rev. 1		Ammonia Tank Foundation Calculations	FW	1/10/2012	1/18/2012	Approved with Fire Approval

Title TSE-5-3.1 **CBO-0513** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Vendor Calcs	1066-CA-0002-001 Rev. 4 J Y		230 KV Substation Calcs	DS	1/18/2012	1/18/2012	Approved
Specs	ASCE 113		Substation Structure Design Guide	DS		1/18/2012	Reviewed for Reference Only
Specs	ASCE 48 Anchor Bolt		Structural Members & Connections Used in Foundations	DS		1/18/2012	Reviewed for Reference Only
Specs	ASCE 48 Base Plate		Shaft to Foundation Connection	DS		1/18/2012	Reviewed for Reference Only
Vendor Calcs	1066-CA-0001-001 Valmont C		Tapered Tubular Substation Steel Structures Calc	DS	1/18/2012	1/18/2012	Approved

Title TSE-5-3.2 **CBO-0514** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Vendor Drawing	S11-152-E1 Rev. 1		230 KV 3-PH Low Bus Switch Stand Item 13- Erection	DS	1/18/2012	1/18/2012	Approved
Vendor Drawing	S11-152-01 Rev. 1		230 KV 3-PH Low Bus Switch Stand Item 13 - Steel Details	DS	1/18/2012	1/18/2012	Approved
Vendor Drawing	S11-152-02 Rev. 3		230 KV 3-PH CVT/High Bus Support Structure Item 14 - Steel Details	DS	1/18/2012	1/18/2012	Approved
Vendor Drawing	S11-152-03 Rev. 1		230 KV 3-PH High Bus Support Structure Item 16- Steel Details	DS	1/18/2012	1/18/2012	Approved
Vendor Drawing	S11-152-04 Rev. 1		230 KV 3-PH Low 45 Deg Bus Support Structure Item 18- Steel Details	DS	1/18/2012	1/18/2012	Approved
Vendor Drawing	S11-152-05 Rev. 1		230 KV 3-PH Low Bus Support Structure Item 19- Steel Details	DS	1/18/2012	1/18/2012	Approved
Vendor Drawing	S11-152-07 Rev. 2		230 KV 3-PH Metering CPT Stand Item 22- Steel Details	DS	1/18/2012	1/18/2012	Approved
Vendor Drawing	S11-152-E2 Rev. 2		230 KV 3-PH CVT/High Bus Support Structure Item 14- Erection	DS	1/18/2012	1/18/2012	Approved
Vendor Drawing	S11-152-E3 Rev. 1		230 KV 3-PH High Bus Support Structure Item 16- Erection	DS	1/18/2012	1/18/2012	Approved
Vendor Drawing	S11-152-E4 Rev. 1		230 KV 3-PH Low 45 Deg Bus Support Structure Item 18- Erection	DS	1/18/2012	1/18/2012	Approved
Vendor Drawing	S11-152-E5 Rev. 1		230 KV 3-PH Low Bus Support Structure Item 19- Erection	DS	1/18/2012	1/18/2012	Approved
Vendor Drawing	S11-152-E6 Rev. 2		230 KV 3-PH Metering CPTStand Item 22- Erection	DS	1/18/2012	1/18/2012	Approved
Vendor Drawing	S11-152-06 Rev. 1		230 KV 1-PH CVT Stand Item 21 - Erection & Steel Details	DS	1/18/2012	1/18/2012	Approved

Title **TSE-5-3.3** **CBO-0515** **File No** **015F**

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Vendor Calcs	ST-0001-001 Transmission Str		Transmission Structures Drawing	DS	1/18/2012	1/18/2012	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 : January 9, 2012

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: 2

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-1-12.2 (CBO-0384) Return with Comments	**STRUC-1-24.5 (CBO-0412)** Approved

D. Sandercock/R.H.

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

Marsh Landing - CBO Transmittal Report

Title STRUC-1-12.2 **CBO-0384** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	H2301-P59-130269-R2		TAS Fan Duct Support	FW		01/09/2012	Return with Comments

Title STRUC-1-24.5 **CBO-0412** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	7537-S08-signed		Exhaust Silencer Support Frame	FW	01/09/2012	01/09/2012	Approved
Drawing	7537-S07-signed		Filter House & Intake Silencer Support Frame	FW	01/09/2012	01/09/2012	Approved
Drawing	7537-S06-signed		Section at Grid Line 'B'	FW	01/09/2012	01/09/2012	Approved
Drawing	7537-S05-signed		Wall Elevation Grid Line '4'	FW	01/09/2012	01/09/2012	Approved
Drawing	7537-S04-signed		Wall Elevation Grid Lines '1' & 'A'	FW	01/09/2012	01/09/2012	Approved
Drawing	7537-S03-signed		Roof Framing Plan & Details	FW	01/09/2012	01/09/2012	Approved
Drawing	7537-S02-signed		Anchor Bolt Details	FW	01/09/2012	01/09/2012	Approved
Drawing	7537-S01-signed		Anchor Bolt Layout Pulse Filter	FW	01/09/2012	01/09/2012	Approved
Calcs	201-CA-0014-001 ExcithouseC		Excit House Calc	FW	01/09/2012	01/09/2012	Approved
Calcs	201-CA-0013-001 Calculations		ATCO Noise Management Struc Calc Response	FW	01/09/2012	01/09/2012	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 : January 19, 2012
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: 2

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-1-48.0 (CBO-0521) Returned with Comments	**STRUC-1-59.0 (CBO-0535)** Approved

JRitchie FOR

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

Marsh Landing - CBO Transmittal Report

Title STRUC-1-48.0 **CBO-0521** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Vendor Drawing	990-ST-0002-001		Admin Control Building Structural Details	AC		1/19/2012	Returned with Comments / *needs fire aprvl*
Vendor Drawing	990-RE-0013-001		Structural Notes & Details	AC		1/19/2012	Returned with Comments / *needs fire aprvl*
Vendor Drawing	990-FN-0001-001		Admin Control Building Foundation Plan	AC		1/19/2012	Returned with Comments / *needs fire aprvl*
Vendor Calcs	990-CA-0002-001		ACB Foundation Calculations for Construction	AC		1/19/2012	Returned with Comments / *needs fire aprvl*

Title STRUC-1-59.0 **CBO-0535** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-SF-024A	01/18/12	SCR System Foundation Sections and Details	FW	1/19/2012	1/19/2012	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 : January 3, 2012
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: 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-1-70.1 (CBO-0508)
Approved

D. Sandercock / R.H.

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

Marsh Landing - CBO Transmittal Report

Title **STRUC-1-70.1** **CBO-0508** **File No** **015F**

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-SF-120 Rev. 2		Construction Warehouse Foundation Plan, Sections & Details	RS	01/03/2012	01/03/2012	Approved with Fire Approval

Subsection 2.32(Waste 1)
As of -1-31-2012

Asbestos Removal

All work completed

Subsection 2.33(Worker Safety-3)

As of 1-31-2012

Days Without Incident	352 days(As of 2-14-2011)
No. of Employee Trained to Date (Kiewit Direct)	256
No. of Employee Trained to Date (Kiewit Subcontractor)	114
Safety Management Actions	0
Incident Alert	4
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	11/11/2011	Electrician was staging a 4" PVC conduit on top of a rebar cage to make a cut on the conduit. While lifting the conduit into position, the unsecured end of the conduit slipped off the repar and fell down 3'. This fall caused the other end to move/bounce and crushed the electricians finger between the rebar cage and the conduit. Stand down was held. This is only a first aid.
4	1/20/2012	Two laborers were moving a ¼ roll of filter fabric up onto dunnage. The laborer walking backward while carrying his end of the roll tripped over the dunnage and fell backward straining his back. This only a first aid.

CONTRA COSTA COUNTY
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Building Inspection Division
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Martinez, CA 94553 1229

MARSH LANDING PROJECT TRANSMITTAL

DATE : January 18, 2012
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-1-3.1 (CBO-0518)
Approved with Fire Approval

STRUC-1-1.1 (CBO-0516)
Approved

TSE-5-3.1 (CBO-0513)
Approved / Reviewed for Reference Only

TSE-5-3.2 (CBO-0514)
Approved

TSE-5-3.3 (CBO-0515)
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

Title STRUC-1-1.1 **CBO-0516** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Concrete Mix Specs	5000psi - High Early - H40H15		5000psi - High Early - H40H1532 - Brentwood	DS	1/18/2012	1/18/2012	Approved

Title STRUC-1-3.1 **CBO-0518** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-SF-053 Rev. 1		Ammonia Containment Area Foundation Sections & Details	FW	1/10/2012	1/18/2012	Approved with Fire Approval
Drawing	2009-019-SF-052 Rev. 1		Ammonia Containment Area Foundation Plan & Unloading Slab	FW	1/10/2012	1/18/2012	Approved with Fire Approval
Calcs	910V-02 Rev. 1		Ammonia Tank Foundation Calculations	FW	1/10/2012	1/18/2012	Approved with Fire Approval

Title TSE-5-3.1 **CBO-0513** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Vendor Calcs	1066-CA-0002-001 Rev. 4 J Y		230 KV Substation Calcs	DS	1/18/2012	1/18/2012	Approved
Specs	ASCE 113		Substation Structure Design Guide	DS		1/18/2012	Reviewed for Reference Only
Specs	ASCE 48 Anchor Bolt		Structural Members & Connections Used in Foundations	DS		1/18/2012	Reviewed for Reference Only
Specs	ASCE 48 Base Plate		Shaft to Foundation Connection	DS		1/18/2012	Reviewed for Reference Only
Vendor Calcs	1066-CA-0001-001 Valmont C		Tapered Tubular Substation Steel Structures Calc	DS	1/18/2012	1/18/2012	Approved

Title TSE-5-3.2 **CBO-0514** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Vendor Drawing	S11-152-E1 Rev. 1		230 KV 3-PH Low Bus Switch Stand Item 13- Erection	DS	1/18/2012	1/18/2012	Approved
Vendor Drawing	S11-152-01 Rev. 1		230 KV 3-PH Low Bus Switch Stand Item 13 - Steel Details	DS	1/18/2012	1/18/2012	Approved
Vendor Drawing	S11-152-02 Rev. 3		230 KV 3-PH CVT/High Bus Support Structure Item 14 - Steel Details	DS	1/18/2012	1/18/2012	Approved
Vendor Drawing	S11-152-03 Rev. 1		230 KV 3-PH High Bus Support Structure Item 16- Steel Details	DS	1/18/2012	1/18/2012	Approved
Vendor Drawing	S11-152-04 Rev. 1		230 KV 3-PH Low 45 Deg Bus Support Structure Item 18- Steel Details	DS	1/18/2012	1/18/2012	Approved
Vendor Drawing	S11-152-05 Rev. 1		230 KV 3-PH Low Bus Support Structure Item 19- Steel Details	DS	1/18/2012	1/18/2012	Approved
Vendor Drawing	S11-152-07 Rev. 2		230 KV 3-PH Metering CPT Stand Item 22- Steel Details	DS	1/18/2012	1/18/2012	Approved
Vendor Drawing	S11-152-E2 Rev. 2		230 KV 3-PH CVT/High Bus Support Structure Item 14- Erection	DS	1/18/2012	1/18/2012	Approved
Vendor Drawing	S11-152-E3 Rev. 1		230 KV 3-PH High Bus Support Structure Item 16- Erection	DS	1/18/2012	1/18/2012	Approved
Vendor Drawing	S11-152-E4 Rev. 1		230 KV 3-PH Low 45 Deg Bus Support Structure Item 18- Erection	DS	1/18/2012	1/18/2012	Approved
Vendor Drawing	S11-152-E5 Rev. 1		230 KV 3-PH Low Bus Support Structure Item 19- Erection	DS	1/18/2012	1/18/2012	Approved
Vendor Drawing	S11-152-E6 Rev. 2		230 KV 3-PH Metering CPTStand Item 22- Erection	DS	1/18/2012	1/18/2012	Approved
Vendor Drawing	S11-152-06 Rev. 1		230 KV 1-PH CVT Stand Item 21 - Erection & Steel Details	DS	1/18/2012	1/18/2012	Approved

Title **TSE-5-3.3** **CBO-0515** **File No** **015F**

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Vendor Calcs	ST-0001-001 Transmission Str		Transmission Structures Drawing	DS	1/18/2012	1/18/2012	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 : January 25, 2012
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.

TSE-5-10.0 (CBO-0528)
Approved

MECH-1-18.0 (CBO-0525)
Approved

MECH-1-35.0 (CBO-0510)
Reviewed for Reference Only

ELEC-1-21.1 (CBO-0511)
Reviewed for Reference Only

MECH-1-38.0 (CBO-0529)
Reviewed for Reference Only

FOR

Deborah Sandercock, S.E.
Supervising Structural Engineer

Marie Taylor
Supervising Building Inspector

Gary Faria
Senior Grading Inspector

Marsh Landing - CBO Transmittal Report

Title ELEC-1-21.1 **CBO-0511** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Doc	480V SWBD Circuits		Marsh Landing 480V Circuit Schedule	MT		1/25/2012	Reviewed for Reference Only

Title MECH-1-18.0 **CBO-0525** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-0INA6034-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6024-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6025-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6026-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6027-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6028-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6031-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6035-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6036-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6041-1 rev0		Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved

Drawing	2009-019-0INA6042-1 rev0	Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6047-1 rev0	Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6113-1 rev0	Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved
Drawing	2009-019-0INA6029-1 rev0	Large Bore Fabrication Isometric INA - Instrument Air	MT	1/25/2012	1/25/2012	Approved

Title MECH-1-35.0 **CBO-0510** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-PS-560 rev0		Piping and Instrumentation Diagram INA - Instrument Air	MT		1/25/2012	Reviewed for Reference Only
Drawing	2009-019-PS-562 rev0		Piping and Instrumentation Diagram INA - Instrument Air	MT		1/25/2012	Reviewed for Reference Only
Drawing	2009-019-PS-561 rev0		Piping and Instrumentation Diagram INA - Instrument Air	MT		1/25/2012	Reviewed for Reference Only

Title MECH-1-38.0 **CBO-0529** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-PS-950 rev0		Piping and Instrumentation Diagram SDR - Sanitary Drains	MT		1/25/2012	Reviewed for Reference Only

Title TSE-5-10.0 **CBO-0528** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-PDS-735 rev0		Switchyard Building Foundation and Details	DS	1/25/2012	1/25/2012	Approved
Calcs	1057-SF-01 Rev 0		Switchyard Building Foundation Calc	DS	1/25/2012	1/25/2012	Approved

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

Color Code Key:

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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			

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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			

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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			

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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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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			

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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-17(a), AQ-17(b), AQ-17(c), AQ-17(d), AQ-17(f), AQ-17(g), AQ- 17(h), AQ-17(i), and while each Gas Turbine is operating at minimum load to determine compliance with AQ-17(c), and AQ-17(d) and to verify the accuracy of the continuous emission monitors required in AQ-24. The owner/operator shall test for (as a minimum):	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	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			
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			

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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			
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			

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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			
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.	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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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			
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			
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 halted	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			

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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			
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			

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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			
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			

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CONS	CIV-2	RE shall stop all earthwork and construction in the affected areas when the responsible soils, geotechnical, or civil engineer experienced and knowledgeable in the practice of soils engineering identifies unforeseen adverse soil or geologic conditions. Submit modified plans, specifications and calculations to the CBO based	Notify the CPM within 24 hours when earthwork and construction are stopped as a result of unforeseen adverse geological conditions. Within 24 hours of the CBO's approval to resume earthwork and construction in the affected areas, provide to the CPM a copy of the CBO's approval.	Within 24 hours of construction halt due to geologic conditions	As required	KIEWIT			
CONS	CIV-3	Perform inspections in accordance with this condition (see codes referenced). If work is not being performed in accordance with approved	RE shall transport to the CBO and CPM a NCR and the proposed corrective action for review and approval. Within 5 days of	Within 5 days of discovery of any discrepancies	As required	KIEWIT	9/2/2011 9/13/2011 9/23/2011		9/2/2011 Submitted NCT-001, 9/13/2011 Submitted NCR-2,3,4
CONS	CIV-4	After completion of finished grading and erosion and sedimentation control and drainage facilities,	Submit to the CBO for review and approval the final grading plans (including final	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 responses, confidential reports, and maps and drawings showing the footprint of the power plant and all linear facilities.	Provide the required written documentation to the CPM.	At least 10 days prior to a termination or release of the CRS or within 10 days after the resignation of a	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	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			
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	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			

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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	As long as no cultural resources are found, Provide daily a statement that "no cultural resources over 50 years of age were	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			
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	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	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 the CPM	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 before any soil borrow activates and submit	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	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	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			

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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			
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 and recommend required corrective actions.	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 is disapproved, the project owner shall advise the CPM, within five days, of the	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 documents. Notify the CPM after obtaining the CBO's final approval. Retain one set of approved engineering plans, specifications, and	Submit to the CBO, with a copy to the CPM, in the next monthly compliance report, (a) a written notice that the completed work is ready for final inspection, and (b) a signed statement that the work conforms to the final approved plans.	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	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	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 material to the	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 containment basin capable of holding 125% of the storage volume	Submit final design drawings and specifications for the ammonia storage tank and secondary containment basin to the CPM for review and approval	At least 60 days prior to delivery of aqueous ammonia	12/2/12	GenOn - Tank Kiewit- Secondary containment			
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	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	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	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	1/1/13	GenOn			

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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			
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 appended to the operations security plan. Also	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	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	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 pressure vessel 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, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with LORS	At least 30 days prior to start of onsite fabrication or installation of any pressure vessel	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	Submit the calcs, plans, and specs to the CBO, including a copy of the signed and stamped statement from the responsible	At least 30 days prior to start of construction of any	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

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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. When these measures are in place, the project owner shall repeat the noise survey.	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 materials have been identified.	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 of three years after completion and approval	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-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 dischage 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			
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			

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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 Water consumed annually	Calculate the annual use payment at the rate of $1,000/ AF of fresh water reported annual in in the ACR. Pay the amount confirmed by the CPM	No later than 60 days following the approval of the ACR	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 the CBO-approved master drawing and master specification list. Must include items within this condiditon	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. Submit to the CBO the final design plans, specs and calcs with a copy of the transmittal letter to the CPM.	At least 60 days prior to start of any structure or component listed in Facility Design Table 2 of GEN-2	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	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	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	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			
CONS	STRUC-4	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts specified in the 2007 CBC shall, at a minimum,	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 the start of installation of the	As required	GenOn - Ammonia Tank KIEWIT - All			
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	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	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			

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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 made before and after energization according to ANSI/IEEE standard procedures. These measurements shall be completed not later than six months after the start of operations.	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			
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 discrepancy documentation shall become a controlled document and shall be submitted to	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,	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			

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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 California Code and Regulations (Title 8); Articles 35, 36 and 37 of the *High Voltage Electric Safety Orders* , CA ISO standards, National Electric Code (NEC) and related industry standards, for the poles/towers,	Prior to start to start of construction of the transmission facilities	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 configurations covered by requirements TSE-5 a) through j),	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 calculation method(s), a sample calculation based on "worst case conditions"1 and a statement signed and sealed by the registered engineer in responsible charge,	Prior to start to start of construction of the transmission facilities	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	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	Prior to start to start of construction of the transmission	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			
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	Prior to start to start of construction of the	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	Inform the CBO and CPM of any impending changes.	Prior to start to start of construction of the	1/1/12	KIEWIT			

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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	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	Within 60 days after first synchronization to the grid	3/1/12	KIEWIT			
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			
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)	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			

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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			
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	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	Within 5 days of their receipt	As required	KIEWIT	4/15/2011 4/26/2011 10/14/2011 11/22/2011		Oily dirt - East side Oily dirt- Middle of Power Block, 11/23/2011 addnl oil on
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			

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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 Waste Management Plan	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 local requirements.Document management of all	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 project wastes	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 Protection District stating the fire department's comments on the Operations	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			
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	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	Prior to any groundwater discharge or dewatering activities	As required	KIEWIT	11/9/2011 11/23/2011		Provided NOI from RWB 11/9/2011. Addnl 11/23/2011
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 420gpm	No later than 30 days prior to installing a connection to the City of Antioch potable water main	9/1/11	GenOn	9/29/2011 Additional submittal 10/11/2011		Provided copies of correspondence regarding supply of city water.

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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 city to offset water used during construction.	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	9/29/11		Provided evidence of $15,000 payement to the city.
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	10/21/11		
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 AQCMM may delegate responsibilities to one or more AQCMM delegates.	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 before the start of ground disturbance.	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
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 demonstrate that the reductions are provided in the form required by the Bay Area Air Quality	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 statement of the approval with the project owner and the Energy Commission docket.	Prior to Initiating Construction	3/2/11	GenOn	10/13/10	2010-1361	Approved 10/29/2010
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	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	9/13/2011 Approved by CEC 10/7/2011 Additional submittal		
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	9/21/2010 2/2/2012	2010-1221 Returned 10/6/2010	Approved 10/20/2010 Addntl resumes submitted 2/2/2012

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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	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	2010-1490 2010-1790 12/3/2010	Additional Information Submitted 12/3/2010 WEAP
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 Additional copies sent per request of Ann Crisp 1/28/2011
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
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
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

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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	10/7/2010 8/31/11 9/13/2011 11/14/2100 11/30/2011	10/12/2010	Approved 10/12/2010 Submitted Ms. Kathleen Kubal 8/31/2011
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
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 may be impacted in a previously unanticipated manner (discovery)	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 discovery, and that the project owner shall ensure that the CRS notifies the CPM within	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 drawings and master specifications list shall contain a list of proposed submittal packages of designs, calculations, and specifications for major structures, systems, and equipment. The schedule shall contain the planned date of each	Submit to the CBO and to the CPM the schedule, and the master drawings and master specifications list of documents to be submitted to the CBO for review and approval.	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

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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 the CBO's approvals of the RE and other delegated engineer(s) within five days of the approval.	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)
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	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		CBO Approved 2-16-11 CEC Approved 3/16/2011 Submitted Tharu Nadaraj (Electrical) and Chad Enders (Civil) for
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	At least 15 days prior to start of an activity requiring special inspection	As required	KIEWIT	To CBO 2/2/11 Sent to CE		CBO Approved 2-24-11 9/23/2011 Sent Quals to CEC for Jay Locatelli, Micah Ek, Jeffrey
PC-2	GEO-1	Specifically include in the Soils and Engineery Report, laboratory test data, associated geotechnical engineering analyses, and a	Include in the application for a grading permit a copy of the Soils Engineering Report which address the potential for	At least 30 days prior to the start of grading	3/2/11	KIEWIT	2/19/2011 to CEC and		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)

Mirant Marsh Landing CEC Compliance Matrix

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Color Code Key:

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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
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 program must comply with applicable OSHA and Cal-OSHA standards.	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
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 construction hour limitations (specified to be	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 it should be provided to the CPM for review	Prior to Ground Distrubance	12/2/10	KIEWIT	11/19/2010 5/5/2011 5/19/2011 12/29/2011	2010-1728	Approved 12/15/2010 4/22/2011 Submitted request for Waiver for well
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 Conrelius 8/12/2011 submitted resume for Teresa Butler.
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	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

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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 disturbing equipment or tools.	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 Submitted WEAP training video 1/26/2011 Unapproved with combination of all 3 ology sections into one booklet. 2/1/2011 Returned for uniformity reasons and a request to include section on local laws and ordinances. Approved 2/8/2011
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	2/4/2011 2/2/2012		Approved (No Paperwork Given) Submited additional payment 2/2/2012
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	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	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)

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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 control plan and the CCPW and the City of Antioch Engineering Departments comments for review and approval.	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 information 1/31/2011 Resubmitted the plan in the CEC suggested format 2/1/2011
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	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	At least 90 days prior to the start of any site (or related facilities)	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	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 9/29/2011	Verballty approved (C.H.)	CBO Approved 2-16-11 CEC Approved 3/16/2011 Submitted Reid
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	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
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

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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
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)

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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

There were no conditions other than ongoing monthly conditions satisfied during the reporting period. A complete list of satisfied requirements is included in the Compliance Matrix and is shaded to indicate completion.

Condition	Description	Date of Approval Notification
NOISE-6	Extension of normal work hours from 7 A.M. to 12 P.M.	Jan. 9, 2012

Marsh Landing Generating Station

Monthly Compliance Report

January 2012

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

Monthly Compliance Report

January 2012

6.0 Approved Changes to Conditions of Certification – Cumulative List

Condition of Certification	Date Change was approved
PAL-3	July 26, 2010

Marsh Landing Generating Station

Monthly Compliance Report

January 2012

7.0 Other Governmental Agency Filings and Permits Issued

The attachment titled "Marsh Landing Generating Station Part B Government Approval Status Summary" contains approval notices received to date (excluding Material Governmental Approvals).

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)	Q4 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 Actual (Ongoing)
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. R5-2008-0082 for Waste Discharge Requirements for Dewatering and Other Limited Threat Discharges to Surface Water (to be submitted prior to any groundwater discharge or dewatering activities)	12/30/2011 Actual
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)	9/1/2011 Actual
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)	11/16/2011 Actual
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)	9/1/2011 Actual
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

Kiewit will pour CTG 2 and rotor air cooler foundations; Power Block 3 SCR and CT air inlet foundations; Power Block 3 tempering air fan/motor pedestals; and Power Block 4 tempering air fan/motor pedestals. Kiewit will set GSU 4. They will continue installing CTG forms, rebar, electrical conduit and piping embeds in Power Blocks 3 and 4. They will continue installing duct banks in the fuel gas and water treatment areas.

Work will continue on pipe trenches, water lines and gas lines.

Kiewit will continue installing the construction warehouse.

Kiewit will continue project engineering

Siemens will continue engineering, procurement and manufacturing process related to gas turbine-generator equipment. Combustion turbines (CTs) 3 and 4 are currently scheduled to ship in late February and arrive onsite in late April/early May. Generator 2 is scheduled to ship on February 15 and expected to arrive onsite in late March; Generator 3 is scheduled to ship February 22 and expected to arrive onsite at end of March. Generator 4 is scheduled to ship in late March and expected to arrive onsite in late April.

Mitsubishi will continue engineering, procurement and manufacturing process related to the SCRs. Continue to receive SCR and stack components onsite.

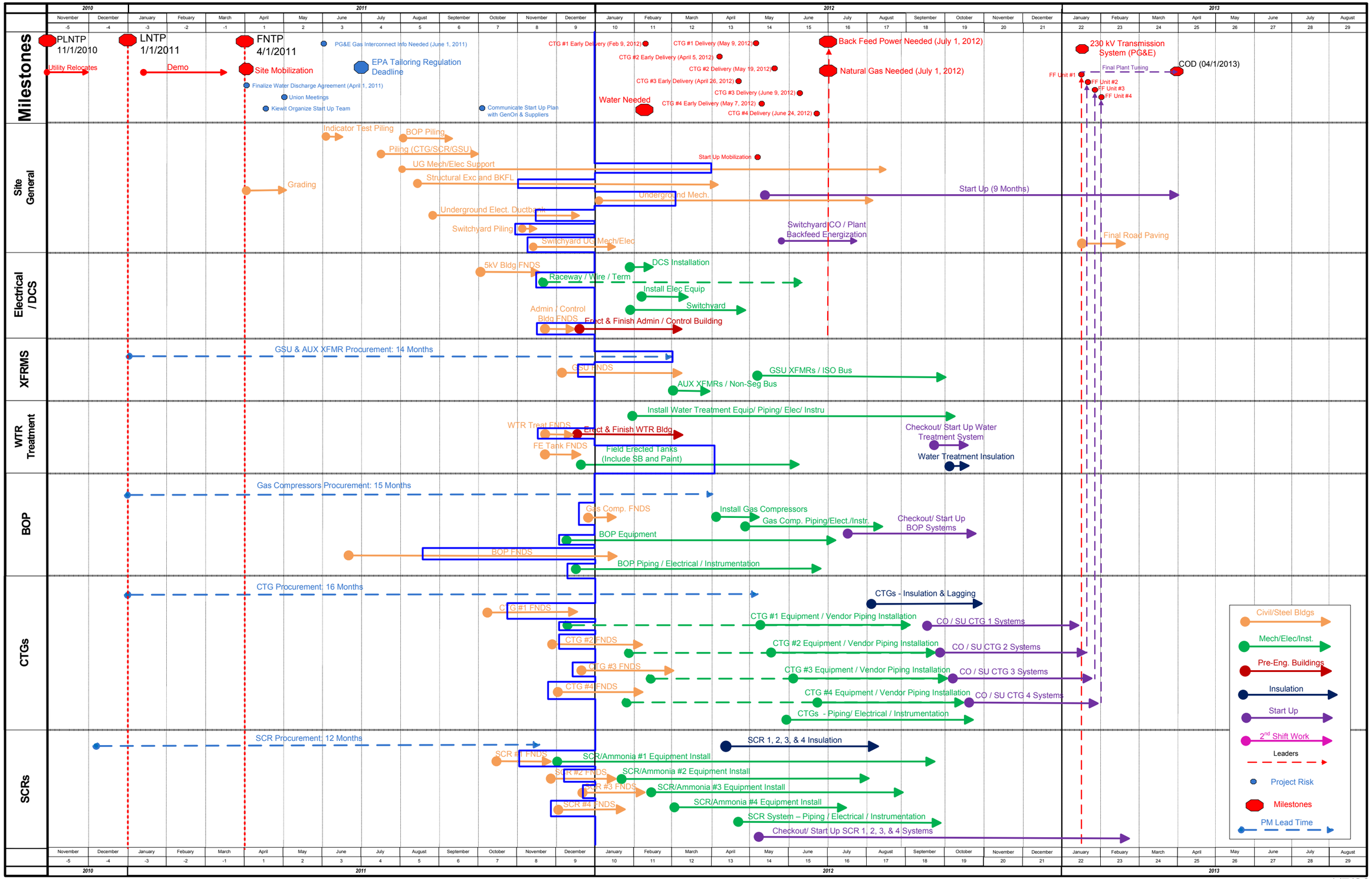
PG&E Gas T&D will continue engineering and procurement for the gas interconnection. Construction will start in early March.

PG&E Transmission Planning and Generation Interconnection Services will continue interconnection and transmission network upgrade work for MLGS under the LGIA.

Level 1 Schedule

Marsh Landing

KIEWIT POWER CONSTRUCTORS



1/7/2012

9.0 Additions to the On-Site Compliance File

The following items were added to the compliance file

Sub #	Conditions Submitted	Date of Submission
84	Soil and Water - 3	Jan. 5, 2012
85	Monthly Compliance Report – December 2011	Jan. 13, 2012
86	AQ-SC5	Jan. 19, 2012

Marsh Landing Generating Station

Monthly Compliance Report

January 2012

10.0 Complaints, Notices of Violations, Official Warnings, Citations, and Corrective Actions Taken

NA

Marsh Landing Generating Station

Monthly Compliance Report

January 2012

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	12/23/2011 (Actual) – SCR1
Begin Installation of Major Equipment	12/29/2011 (Actual) – SCR1
Complete All Construction	4/1/2013
First Fire Combustion Gas Turbine	1/15/2012 (Contractual Date)
Obtain Building Occupancy Permit	4/1/2013 (Expected)
Start Commercial Operation	5/1/2013
Transmission Line Activities	
Start T/L Construction	2/1/2012 (Expected)
Synchronization with Grid and Interconnection	1/15/2012 (Expected)
Complete T/L Construction	7/1/2012 (Expected)
Fuel Supply Line Activities	
Start Gas Pipeline Construction and	6/29/2011 (Actual)
Complete Gas Pipeline Construction	6/1/2012 (Expected)
Water Supply Line Activities	
Start Water Supply Line Construction	5/16/2011 (Actual)
Complete Water Supply Construction	7/1/2012 (Expected)
CEC Authorization	
Obtain Asbestos Removal Letter from	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.