MARSH LANDING GENERATING STATION

MONTHLY COMPLIANCE REPORT #16

Report Period: December 2011

For Submittal to

California Energy Commission

Sacramento, California

08 – AFC – 3C

Monthly Compliance Report

Table of Contents

1.0 Current Project Construction Status

2.0 Required Documents Submitted with this Report

3.0 Current Compliance Matrix

4.0 Conditions Satisfied

5.0 Submittal Deadlines Not Met

6.0 Approved Changes to Conditions of Certification – Cumulative List

7.0 Other Governmental Agency Filings and Permits Issued

8.0 Project Two Month Projection

9.0 Additions to the On-Site Compliance File

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

11.0 Key Events List

Marsh Landing Generating Station

Monthly Compliance Report

December 2011

1.0 Current Project Construction Status

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

Construction is 11% complete. Kiewit completed pile driving on December 30, 2011.

Electrical duct bank installation in Power Block 3 & 4 is approximately 75% complete. Kiewit encountered and removed historic soil contamination in Power Block 4. The project obtained regulatory approval to proceed with work in the area.

Kiewit poured Power Block 1 SCR, CT air inlet, tempering air fans, and GSU foundations. Kiewit poured Power Block 2 GSU foundation, 5kV electrical vault walls, and balance of plant (BOP) 5kV electrical vault base slab and walls.

Kiewit completed fire water loop installation and testing. Underground fuel gas and water piping installation is in progress. Water storage tank hydrostatic testing is complete. Potholing for fuel gas line is complete.

Kiewit engineering is 65% complete. Major activities that are either in progress or complete include: Chief Building Official (CBO) submittals to comply with CEC Conditions of Certification and the California Building Standards Code; major equipment (Siemens and Mitsubishi) vendor shop drawing review; piling, foundation and underground pipe and duct bank design; above ground pipe design; and electric design.

Kiewit engineering is 77% complete. Major activities that are either in progress or complete include: Chief Building Official (CBO) submittals to comply with CEC 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 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. Turbine shipping dates have changed; Siemens will ship two combustion

turbines January 17 and two combustion turbines February 16. The first two combustion turbines are expected to arrive onsite in mid to late March. Generator 1 is still on schedule to ship in early January and arrive onsite in mid-February.

Generator step-up transformers (GSUs) 1 and 2 were delivered on December 27, 2011. GSUs 3 and 4 are in transit.

Mitsubishi continued engineering, procurement and manufacturing process related to SCR / Ammonia Systems. SCR 1 stack base sections and wall panel deliveries started in mid-December.
The fuel gas fin fancoolers were also delivered to the site.

GenOn executed the agreement with PG&E for gas interconnection on December 22.

On December 19, 2011 Wild Equity Institute, Communities for a Better Environment and Center for Biological Diversity filed a 60-day Notice of Intent to sue (NOI) for alleged violations of the federal Endangered Species Act related to nitrogen emissions from MLGS (and Contra Costa Generating Station).

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 December 2011, including monitoring logs, is provided in the separate Biological Resources Report Subsections 2.04/2.06.

In accordance with Conditions of Certification BIO-5 and BIO-6, mitigation measures implemented at the site during December 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 December. 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 exclusion measures will be installed during January. A biological resource monitor was present during the nest removal. Details are presented in the Biological Resources Report Subsection 2.04/2.06

In accordance with Condition of Certification CUL-6, monitoring of ground-disturbing construction activities continued during December. Daily reports were emailed to CEC stating that no cultural resources over 50 years of age were discovered, with the exception of December 10 as described below.

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. CEC staff has not yet concurred 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. A response is currently being prepared.

A summary of cultural resources monitoring activities for December 2011, including monitoring logs and the DPR form for the December 10 discovery, is provided in the separate Cultural Resources Report Subsection 2.12.

In accordance with CUL-7, GenOn is waiting direction from the CEC regarding 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.

Work was stopped on December 10 due to the discovery of the ceramic sherds. On December 21, CEC concurred with the CRS' determination and authorized work to resume in the area of the discovery.

Paleontological monitoring continued during December 2011. Identifiable vertebrate fossils have been identified in samples recovered during pile augering. Summary of paleo resources monitoring activities for December 2011, 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 December, 28 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 286 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	NA for reporting period	2.20
MECH-1	Copy of CBO transmittal letters requesting review and approval of major plumbing or piping system final plans, specifications, and calculations. Include subsequent approvals by the CBO.	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.	Copies	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.

   Dec. 1, 2011 Site is damp enough that dust is not likely. Water truck working the power block, laydown areas, and roads.

   Dec. 2, 2011 No noticeable dust. Water Truck active.

   Dec. 5, 2011 No visible dust moving at power block or laydown. Some dust along fuel gas potholing, dust control with water and sweeping at end of shift.

   Dec. 6, 2011 No visible duct over power block or laydown except some dust at the GSU where drilling of 1" diameter 2 feet deep hole but did not move across jobsite.

   Dec. 7, 2011 No visible duct over power block or laydown except at the GSU where drilling of 1" diameter 2 feet deep hole into pile but did not move across jobsite.

   Dec. 8, 2011 No visible duct over power block or laydown.

   Dec. 9, 2011 No dust visable. A water truck is active.

   Dec. 12, 2011 Light precipitation in the early morning. No dust present.

   Dec. 13, 2011 No visible dust over the site. Water truck active.

   Dec. 14, 2011 No observation of dust. Active water truck.

   Dec. 15, 2011 Morning precipitation. No dust.

   Dec. 16, 2011 Site is damp to the point of mud. No dust.

Dec. 19, 2011 No dust was observed in the power block area. Some dust was noted in the laydown area. The water truck will be directed to concentrate more in this area.

Dec. 20, 2011 Heavy fog though most of the day. Very little dust.

Dec. 21, 2011 Heavy fog and humidity. Very little dust.

Dec. 22, 2011 Some dust observed along portion of access road. Will see that the road is washed and cleaned.

Dec. 27, 2011 No dust observed in the power block, parking, or laydown areas. Water truck active.

Dec. 28, 2011 No dust was present. Water truck was active.

Dec. 29, 2011 No dust was being generated. Water truck active.

Dec. 30, 2011 No dust. Water Truck Active. Roads clean. Rain possible later in the day.

(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.

Dec. 1, 2011 – Vehicles observed were within the posted limits.

Dec. 2, 2011 - No vehicles were observed above the posted limits.

Dec. 5, 2011 Did not see any issue with vehicle speed on site.

Dec. 6, 2011 Did not see any issue with vehicle speed on site.

Dec. 7, 2011 Did not see any issue with vehicle speed on site.

Dec. 8, 2011 No vehicle speed demonstrations to report.

Dec. 9, 2011 – Traffic is within the limits and observing good safety practices of observation and signaling of pedestrian observation.

Dec. 12, 2011 Traffic is within limits.

Dec. 13, 2011 Vehicles are slow and conscientious.

Dec. 14, 2011 Vehicles are slow and observant.

Dec. 15, 2011 Vehicles are within the limits.

Dec. 16, 2011 Vehicles are slow and looking out for dangers.

Dec. 19, 2011 Vehicle traffic was slow and deliberate.

Dec. 20, 2011 Vehicle speed is adequately slow within the MLGS project.

Dec. 21, 2011 Vehicles are well within the required limits.

Dec. 22, 2011 All vehicles except one were well with the posted limits. One vehicle was observed to be slightly above mandated speed limits.

Dec. 27, 2011 Vehicles are within the limits, slow, and observant.

Dec. 28, 2011 Vehicles were slow and within the limits across the power block, laydown areas, and access roads.

Dec. 29, 2011 Most vehicles were within limits and slow. Salesman vehicle was slightly fast on the access road. Will have this discussed with vendors.

Dec. 30, 2011 No excessive vehicle speed was noted.

(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.

Dec. 9, 2011 – Water Tire washing station available on site access road.

Dec. 16, 2011 – Water Tire washing station is ready for use on the exit/access road.

Dec. 22, 2011 – Signs are in place and the North South portion of the road that contains the rumble strips and tire wash station are clean.

Dec. 29, 2011 – Signs and tire washing station are in place.

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.

   Dec. 9, 2011 - Tire cleaning ramps are in place and functioning.

   Dec. 16, 2011 – Tire cleaning ramps are in place.

Dec. 22, 2011 - The tire cleaning ramps are in place and in good condition.

Dec. 29, 2011 – Tire cleaning ramps are in place and performing there function. Everything in good shape.

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.

   December 2011 - 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.

   Dec. 9, 2011 – Fencing and barriers control traffic from entering or exiting the construction site except through graveled and/or treated entrance roadways.

   Dec. 16, 2011 – The effectiveness of the fencing and barriers at routing traffic seems to be very good.

   Dec. 22, 2011 Barriers and fencing are used effectively to route traffic.

   Dec. 29, 2011 Fencing and barricades are in place and observed by all traffic.

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.

   Dec. 9, 2011 - Silt fencing, straw wattles, and sediment traps around the roadways are in excellent condition. Repairs as needed are done in a timely manner.

   Dec. 16, 2011 – The SWPPP measures along paved roadways are in great shape.

   Dec. 22, 2011 – SWPPP measures along paved roads are in good shape and obtain continuous attention.

   Dec. 29, 2011 SWPP measures are in excellent condition along paved roads as well as throughout the construction site.

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.

   Dec. 1, 2011 – No tracking onto public streets.

   Dec. 2, 2011 – No tracking observed from paved access road onto public street.

   Dec. 5, 2011 Wilbur Ave, no visible tracking.

   Dec. 6, 2011 Wilbur Ave, no visible tracking.

   Dec. 7, 2011 Paved access north of PGE switchyard had tracking due to haul truck using it to access stockpile at tank 5 are due to limited access at south of power due to fire loop excavation. Kept control of tracking with street washing and sweeping.

   Dec. 8, 2011 Paved access north of PGE switchyard had tracking due to haul truck using it to access stockpile at tank 5 are due to limited access at south of power due to fire loop excavation. Kept control of tracking with street washing and sweeping.

   Dec. 9, 2011 – No tracking leaving the MLGS project from the paved access road.

   Dec. 12, 2011 – No tracking observed on public street.

   Dec. 13, 2011 – Light tracking observed from the paved access road onto the public thoroughfare. Requested additional washing.

   Dec. 14, 2011 – No tracking observed onto public streets.

   Dec. 15, 2011 – No tracking onto public streets from the point of egress from the site.

   Dec. 16, 2011 – Very slight occasional tracking at the point of egress. Will take additional steps to control and reduce the tracking that is present. (Extra washing, road brushing, and push brooms as necessary.)

   Dec. 19, 2011 – Tracking at the junction of construction site exit onto the public thoroughfare did not show any signs of tracking.

Dec. 20, 2011 – No Tracking observed at Wilbur Ave.

Dec. 21, 2011 – Tracking is not present at the Public thoroughfare.

Dec. 22, 2011 – No specific tracking but access to public street could be a little cleaner. Will see that it is cleaned. (Cleaned on Dec. 23rd)

Dec. 27, 2011 – No tracking observed on public streets.

Dec. 28, 2011 – The public streets are free of tracking from the project.

Dec. 29, 2011 – The exit to the public street is clean and free of tracking onto the public street.

(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.

Dec. 9, 2011 All inactive stock piles have been tarped.

Dec. 16, 2011 All piles of materials/soil that are not in active use are tarped.

Dec. 22, 2011 All inactive stock piles are tarped with the tarps in good condition.

Dec. 29, 2011 Inactive piles are tarped.

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: 12-30-11

Start Time: 7:00 A Meter Reading: 8900 7/

End Time: 3:30 P Meter Reading: 8912 4

Total Gallons:

Total Loads 6

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

2. Craft Parking Area: 0 times

3. Laydown area: 2 times

4. Work Area: Grading _____ times

5. Work Area: 3, Fill 5 times

6. Wilbur Ave Access: 2 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 12-29-31

Start Time: 7:00 A Meter Reading: 88894

End Time: 5:00 Meter Reading: 89007

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: 2 times

4. Work Area: Grading _____ times

5. Work Area: 3, Fill - 6 times

6. Wilbur Ave Access: 3 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 12-28-11

Start Time: 7:00 A Meter Reading: 8869 7/

End Time: Meter Reading: 8889 4/

Total Gallons:

Total Loads 15

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

2. Craft Parking Area: 0 times

3. Laydown area: 4 times

4. Work Area: Grading _____ times

5. Work Area: 5, Fill 7 times

6. Wilbur Ave Access: 2 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 12-27-11

Start Time: 4:00 A Meter Reading: 88536

End Time: 5:00 P Meter Reading: 88697

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: 4 times

4. Work Area: Grading _____ times

5. Work Area: 3 Filldirt 7 times

6. Wilbur Ave Access: 1 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 12-23-11

Start Time: 7:00 A Meter Reading: 8836 31

End Time: 1:30 P Meter Reading: 8853 6

Total Gallons:

Total Loads 4

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: 2, _____ times

6. Wilbur Ave Access: _____ times

Kiewit

MARSH LANDING

Water Truck Log

Date: 12-22-11

Start Time: 7:00 A Meter Reading: 88234

End Time: 3:30 P Meter Reading: 88363

Total Gallons: _____

Total Loads 8

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~~ Stock Pile 6 times

5. Work Area: 5, _____ times

6. Wilbur Ave Access: 2 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 12-21-11

Start Time: 7:00 A

Meter Reading: 8815 3

End Time: 5:00 P

Meter Reading: 8823 4

Total Loads

Total Gallons:

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

2. Craft Parking Area: 1 times

3. Laydown area: 4 times

4. Work Area: Grading _____ times

5. Work Area: 4, _____ times

6. Wilbur Ave Access: 2 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 12-20-11

Start Time: 7:00 A Meter Reading: 88095

End Time: 5:00 P Meter Reading: 88153

Total Gallons:

Total Loads 4

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

2. Craft Parking Area: 2 times

3. Laydown area: 2 times

4. Work Area: Grading _____ times

5. Work Area: Stock, Job site 4 times

6. Wilbur Ave Access: Ø times

Kiewit

MARSH LANDING

Water Truck Log

Date: 12-19-11

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

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

Total Gallons: _____

Total Loads 5

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: 4, _____ times

6. Wilbur Ave Access: 2 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 12-17-11

Start Time: 7:00 AM Meter Reading: 8800 3

End Time: 3:30 PM Meter Reading: 8809

Total Gallons:

Total loads 3

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 times

6. Wilbur Ave Access: _____ times

Kiewit

MARSH LANDING

Water Truck Log

Date: 12-16-11

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

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

Total Gallons:

Total Loads 4

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

2. Craft Parking Area: 2 times

3. Laydown area: 1 times

4. Work Area: Grading times

5. Work Area: 2, times

6. Wilbur Ave Access: 2 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 12-15-11

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

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

Total Gallons: _____

Total Loads 2

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

2. Craft Parking Area: 0 times

3. Laydown area: 1 times

4. Work Area: Grading _____ times

5. Work Area: 1, _____ times

6. Wilbur Ave Access: 5 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 12-14-11

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

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

Total Gallons: _____

Total Loads 6

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 , _____ times

6. Wilbur Ave Access: 2 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 12-13-11

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

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

Total Gallons: _____

Total Loads 4

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

2. Craft Parking Area: _____ times

3. Laydown area: _____ times

~~4. Work Area: Grading _____ times~~

5. Work Area: _____, _____ times

6. Wilbur Ave Access: 2 times

Kiewit

MARSH LANDING

Water Truck Log

Date: 12-12-11

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

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

Total Gallons: _____

Total Loads 2 Plus fence for water drain set up

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

2. Craft Parking Area: _____ times

3. Laydown area: _____ times

4. Work Area: Grading _____ times

5. Work Area: _____, _____ times

6. Wilbur Ave Access: _____ times

Kiewit

MARSH LANDING

Water Truck Log

Date: 12-10-11

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

End Time: 4:30 P Meter Reading: Tank Fill

Total Gallons: _____

Total Loads 5

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

2. Craft Parking Area: _____ times

3. Laydown area: _____ times

4. Work Area: Grading _____ times

5. Work Area: _____, _____ times

6. Wilbur Ave Access: _____ times

Kiewit

MARSH LANDING

Water Truck Log

Date: 12-9-11

Start Time: 7:00 A Meter Reading: 87995

End Time: 5:00 P Meter Reading: 88003 + Feed out of Tanks

Total Gallons:

total Loads 8

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

2. Craft Parking Area: _____ times

3. Laydown area: _____ times

4. Work Area: Grading _____ times

5. Work Area: _____, _____ times

6. Wilbur Ave Access: _____ times

Kiewit

MARSH LANDING

Water Truck Log

Date: 12-8-11

Start Time: 7:00 A Meter Reading: 87834

End Time: 5:00pm Meter Reading: 87995

Total Gallons: _____

Total Loads 6

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

2. Craft Parking Area: _____ times

3. Laydown area: _____ times

4. Work Area: Grading _____ times

5. Work Area: _____, _____ times

6. Wilbur Ave Access: _____ times

Kiewit

MARSH LANDING

Water Truck Log

Date: 12-7-11

Start Time: 7:00 A Meter Reading: 8762 31

End Time: 5:00 P Meter Reading: 8783 41

Total Gallons: _____

Total Loads 8

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

2. Craft Parking Area: _____ times

3. Laydown area: _____ times

4. Work Area: Grading _____ times

5. Work Area: _____, _____ times

6. Wilbur Ave Access: _____ times

Kiewit

MARSH LANDING

Water Truck Log

Date: 12-6-11

Start Time: 7:00 A Meter Reading: 8740 3/

End Time: 5:00pm Meter Reading: 8762 3/

Total Gallons:

Total Loads 9

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

2. Craft Parking Area: _____ times

3. Laydown area: _____ times

4. Work Area: Grading _____ times

5. Work Area: _____, _____ times

6. Wilbur Ave Access: _____ times

Kiewit

MARSH LANDING

Water Truck Log

Date: 12-5-11

Start Time: 7:00 a Meter Reading: 8706 4

End Time: 5:30 p Meter Reading: 8740 3

Total Gallons:

Total Loads 10

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

2. Craft Parking Area: _____ times

3. Laydown area: _____ times

4. Work Area: Grading _____ times

5. Work Area: _____, _____ times

6. Wilbur Ave Access: _____ times

Kiewit

MARSH LANDING

Water Truck Log

Date: 12-3-11

Start Time: 7:00 AM Meter Reading: 8674.9

End Time: Meter Reading: 8706.4

Total Gallons:

Total Loads 12

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

2. Craft Parking Area: _____ times

3. Laydown area: _____ times

4. Work Area: Grading _____ times

5. Work Area: _____, _____ times

6. Wilbur Ave Access: _____ times

Kiewit

MARSH LANDING

Water Truck Log

Date: 12-2-11

Start Time: ~~7:00~~ 7:30 AM Meter Reading: 86463

End Time: _____ Meter Reading: 86740

Total Gallons: _____

Totals Loads 10

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

2. Craft Parking Area: _____ times

3. Laydown area: _____ times

4. Work Area: Grading _____ times

5. Work Area: _____, _____ times

6. Wilbur Ave Access: _____ times

Kiewit

MARSH LANDING

Water Truck Log

Date: 12-1-11

Start Time: 7:00 AM Meter Reading: 8598 2

End Time: 5:00 pm Meter Reading: 8646 3

Total Gallons: _____

Total Loads 17

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

2. Craft Parking Area: _____ times

3. Laydown area: _____ times

4. Work Area: Grading _____ times

5. Work Area: _____, _____ times

6. Wilbur Ave Access: _____ times

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	
4/8/2011	549-26-8005	Generator	MultiquipDCA300ss	8KLXL11.0D06				3	(AV)	Hertz	X	60	8/15/2011
4/11/2011	461	CME75 Drill Rig	Cummins			X				Layne		4	4/14/2011
4/11/2011	Backhoe	825 Case				X				Layne		4	4/14/2011
4/15/2011		Excavator	325DL	MC9H37		X						5	4/19/2011
4/15/2011	12-9903	Scrapper	s/n CEH00423	4CPXL18.0HSK	SN586			2	(AZ)	HOLT	X	60	5/10/2011
4/15/2011	12-9904	Scrapper	s/n CEH00424	4CPXL18.OHSK	XD8X57			2	(BA)	HOLT	X	60	5/10/2011
4/15/2011	12-9901	Scrapper	s/n DFJ00228	5DOXK18.1ESK	BE8S55			3	(AX)	HOLT	X	60	5/19/2011
4/15/2011	12-9902	Scrapper	s/n DFJ000229	5CPXL18.1ESK	JF3W87			3	(AY)	HOLT	X	60	5/19/2011
4/15/2011	10-9902	Excavator	s/n PJW01076	6CPXL12.5ESK	KD7E86			3	(AW)	HOLT	X	90	7/14/2011
4/18/2011	11-9902	Roller	NM28923	APKXL06.6PJ2	HH6H89			3	(BB)	Cresco	X	60	6/20/2011
4/21/2011	812036	JD Skip Loader	210LE	4JDXL04.5025	EC5U96			2	(BC)	United Rental	X	60	5/5/2011
5/9/2011	435121	Excavator	TB180FR		RE3K34	X				United Rental		5	5/13/2011
5/10/2011	NM28692	CAT Bulldozer	D6KXL	8PKXL06.6PJ2	TU6V38			3	(BD)	PKS	X	365	
5/11/2011	1202223	4 yard wheel loader	Case 821F 4	BVEXL06.7SCA	RA4H99			4	(BE)	United Rental	X	60	6/27/2011
5/16/2011	1113618	John Deere 135D Excavator		8SZXL03.DJTA	SY8V36			3	(BF)	United Rental	X	60	7/7/2011
5/17/2011	7378886	Manlift				X				United Rental		5	5/24/2011
5/17/2011	1198654	Forklift			LL3D35	X				United Rental		5	5/24/2011
5/17/2011	1197083	Takeuchi Excavator	TB-180	AYDXL3.32M4N	TA7N35			4	(BG)	United Rental	X	60	7/7/2011
5/19/2011	CB-224E	Compactor			NG5C97	X				Vintage Paving		3	5/20/2011
5/19/2011	R0038	Compactor			TY6A55	X				Vintage Paving		3	5/20/2011
5/19/2011	006	Skip Loader	210 C		MC4544	X				Vintage Paving		3	5/20/2011
5/23/2011	6-9904	Skip Loader	570 MX3		FR4G57	X				United Rental		5	5/27/2011
5/23/2011	966H	CAT Loader		ACPXL11.1ESK	SG3G75			3	(BH)	PKS	X	700	
6/1/2011	1049	Crane	Manitowoc 4000	9CEXL00661AAF	EW9F88			3	(BI)	Foundation Inc	X	90	
6/1/2011	1082	Pettibone 304A	Super 30 Model 304A	7CEXL050AAE	ML8T58			3	(BJ)	Foundation Inc	X	90	12/1/2011
6/8/2011	6104	6104 HPSI Power Pack	JSC03174	7CPXL08.8ESK	141362			3	(BK)	Foundation Inc	X	90	
6/10/2011	EX200	Excavator	Cat321D	8MVXL06.4FF	YL7X44			3	(BL)	United Rental	X	90	7/1/2011
6/10/2011	#124755123	Backhoe	420	8PKXL04.4NH1	HH6U56			3	(BM)	Cresco	X	90	7/15/2011

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		60	
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	
8/5/2011		Excavator				X						5	8/10/2011
8/5/2011	1125638	Bobcat Fork Lift			DB5M34		X			United Rental		60	
8/8/2011	10-3073	Excavator	CAT 328D	ACPXL07.2ESL	DW6P79			3	(BV)	PKS	X	600	
8/9/2011	1065766	Manlift	SkyJack		XD7W34		X			United Rental		30	
8/24/2011	21-3076	Lincoln Welder	Commander 500				X			PKS		600	
8/24/2011	21-2654	Lincoln Welder	Commander 500				X			PKS		600	
8/24/2011	21-2669	Lincoln Welder	Commander 500				X			PKS		600	
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	
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	
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		60	
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	
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	
12/9/2011		Diesel Light Standard	WANCO		N/A		X			PKS			
12/9/2011		Diesel Light Standard	WANCO		N/A		X			PKS			
12/9/2011	48-9903	Forklift	XR1254	9PKXL04.4RJ3	XF4G84			3	(CP)	AHREN	X	30	
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				3	(CS)	Kiewit	X	475	

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

(CP)

2.01 AQ-SC5

Equipment #103212 Extreme Model 1254 has been maintained per manufactures requirements and is in good working order. Prior to the machines arrival to the Power Plant Jobsite a full inspection had was performed. If any safety or environmental issues were found during this inspection the machine would not have been cleared for delivery.

Thanks
Shawn Harder
Inside Sales
Ahern Rentals

48-9903 Forklift 30 days (CP)

California Environmental Protection Agency AIR RESOURCES BOARD	PERKINS ENGINES COMPANY LTD.	EXECUTIVE ORDER U-R-022-0132 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)
2009	9PKXL04.4RJ3	4.4	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Direct Diesel Injection, Turbocharger, Charge Air Cooler, Smoke Puff Limiter	Cranes, Loaders, Tractor, Dozer, Other Industrial Equipment

The engine models and codes are attached.

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

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
75 ≤ kW < 130	Tier 3	STD	N/A	N/A	4.0	5.0	0.30	20	15	50
		FEL	--	--	6.6	--	0.30	--	--	--
		CERT	--	--	6.1	0.5	0.27	3	7	5

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

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

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

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

Executed at El Monte, California on this 26th day of January 2009.

Annette Hebert, Chief
Mobile Source Operations Division

Engine Model Summary Template

Attachment. Page 1 of 1

U-R-022-0132

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 SPL
9PKXL04.4RJ3	1	3576/2200	130.0 @ 2200	97.0	47.3	369.0@1400	109.0	33.8	CAC TAA DDI TC ↓
			96.94 kW						

(CQ) 2.01 AQ-SC5

CRESCO EQUIPMENT RENTALS

Date: 9-19-11

NM28970, 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 preformed. If any Safety or Environmental issues were found during this inspection the machine would not be allowed to work until all issues have been resolved.

Skip Watson
Cresco Equipment

60 Days

(CQ) 2.01 AQ-SC5

California Environmental Protection Agency AIR RESOURCES BOARD	MITSUBISHI HEAVY INDUSTRIES, LTD.	EXECUTIVE ORDER U-R-035-0288 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	AMVXL02.5FFF	1.9, 2.5	Diesel	5000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Indirect Diesel Injection, Turbocharger	Excavator

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	--	--	5.5	0.7	0.24	4	3	7

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 28 day of January 2010.

Annette Hebert

Annette Hebert, Chief
Mobile Source Operations Division

ATTACHMENT 1 OF 1

Engine Model Summary Template

U-R-035-0288

1/12/2010

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
AMVXL02.5FFF	S3Q2-Y3TEPA1	S3Q2-T	41.6@2400	46.0	18.2	91.4@2200	45.0	16.3	IDI,TC
AMVXL02.5FFF	S3Q2-Y3TSCM	S3Q2-T	40.5@2400	45.0	17.8	89.2@2200	44.0	15.9	IDI,TC
AMVXL02.5FFF	S4Q2-Y3TSCM	S4Q2-T	48.5@2400	39.0	20.5	109.8@2000	39.5	17.3	IDI,TC
AMVXL02.5FFF	S3Q2-Y3T61DP	S3Q2-T	40.5@2400	45.0	17.8	89.2@2200	44.0	15.9	IDI,TC
AMVXL02.5FFF	S4Q2-Y3T61DP	S4Q2-T	48.5@2400	39.0	20.5	109.8@2000	39.5	17.3	IDI,TC

(CR) 2.01 AQ-SC5

BIGGE Established 1916
CRANE and RIGGING CO.
10700 Bigge Ave P.O. Box 1657 San Leandro, CA 94577 TEL: 510-638-8100
Contractors License No. 9859 WWW.BIGGE.COM FAX: 510-639-4053

Kiewit Power Constructors Co.
2925 Wilbur Ave.
Antioch, CA 94509

December 20, 2011

Re: Manitowoc 16000 (440224)

Kevin,

The Manitowoc 16000 (Bigge equipment #440224) 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.

Thanks,

Troy Kussmaul
Bigge Crane & Rigging, Co.

California Environmental Protection Agency AIR RESOURCES BOARD	CUMMINS INC.	EXECUTIVE ORDER U-R-002-0365 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	7CEXL015.AAE	15.0	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Direct Diesel Injection, Turbocharger, Charge Air Cooler, Engine Control Module	Loader, Tractor 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
225 ≤ kW < 450	Tier 3	STD	N/A	N/A	4.0	3.5	0.20	20	15	50
		CERT	--	--	3.6	0.7	0.09	16	2	23

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 6 day of November 2006.

Annette Hebert, Chief
Mobile Source Operations Division

Engine Model Summary Form

2.01 AQ-SC5

ATTACHMENT B 1 of 1

U-R-002-0365

Manufacturer: **Cummins Inc.**

Engine category: **Nonroad CI**

EPA Engine Family: **7CEXL015.AAE**

Mfr Family Name: **G103**

Process Code: **New Submission**

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
8760:FR10601	QSX15-C	600@1800	350	212.5	1875@1350	411	187.0	DDI,ECM,TC,CAC
8760:FR10568	QSX15-C	600@2100	317	224.5	1875@1400	408	192.5	DDI,ECM,TC,C
8760:FR10569	QSX15-C	560@1800	341	207.0	1875@1350	411	187.0	DDI,ECM,TC,C
8760:FR10593	QSX15-C	535@2100	283	200.5	1873@1400	408	192.5	DDI,ECM,TC,C
8760:FR10595	QSX15-C	630@2100	322	228.1	1875@1400	375	176.9	DDI,ECM,TC,C
8761:FR10571	QSX15-C	510@1800	307	186.5	1743@1350	397	172.5	DDI,ECM,TC,C
8761:FR10574	QSX15-C	450@1800	274	166.5	1550@1350	346	157.5	DDI,ECM,TC,C
8761:FR10570	QSX15-C	520@2100	280	198	1743@1400	379	179.0	DDI,ECM,TC,C
8761:FR10565	QSX15-C	485@2000	261	176	1783@1400	388	183.0	DDI,ECM,TC,C
8761:FR10583	QSX15-C	500@2000	280	189	1743@1400	379	179.O	DDI,ECM,TC,C
8761:FR10579	QSX15-C	560@1800	344	208.5	1743@1350	379	172.5	DDI,ECM,TC,C
8761:FR10573	QSX15-C	450@2000	253	170.5	1550@1400	344	162.5	DDI,ECM,TC,C
8761:FR10572	QSX15-C	450@2100	241	171	1550@1400	344	162.5	DDI,ECM,TC,C
8761:FR10642	QSX15-C	500@1800	301	183	1743@1350	379	172.5	DDI,ECM,TC,C
8761:FR10577	QSX15-C	500@2100	268	190	1743@1400	379	179	DDI,ECM,TC,C
8761:FR10581	QSX15-C	400@2100	217	154	1452@1400	322	152.2	DDI,ECM,TC,C
8761:FR10596	QSX15-C	375@1800	235	142.5	1346@1350	301	136.9	DDI,ECM,TC,C
8762:FR10582	QSX15-C	390@2000	217	146.6	1346@1400	295	137.9	DDI,ECM,TC,C
8760:FR10601	QSX15-C	600@1800	350	212.5	1875@1400	408	192.5	DDI,ECM,TC,C
8760:FR10569	QSX15-C	560@1800	341	207.0	1875@1400	408	192.5	DDI,ECM,TC,C
8761:FR10571	QSX15-C	510@1800	307	186.5	1743@1400	375	177.0	DDI,ECM,TC,C
8761:FR10579	QSX15-C	560@1800	344	208.5	1743@1400	375	177.0	DDI,ECM,TC,C
8761:FR10623	QSX15-C	500@1800	301	183.0	1743@1400	375	177.0	DDI,ECM,TC,C
8761:FR10596	QSX15-C	375@1800	235	142.5	1346@1400	301	142.0	DDI,ECM,TC,C
8761:FR10574	QSX15-C	450@1800	274	166.5	1550@1400	341	160.8	DDI,ECM,TC,C
8761:FR10659	QSX15-C	435@2100	232	164.0	1469@1400	320	151.0	DDI,ECM,TC,C
8761:FR10660	QSX15-C	485@2100	257	181.8	1637@1400	359	169.4	DDI,ECM,TC,C

(CS)

Kiewit

Marsh Landing Generating Station

Date: 12-27-11

Xtreme XR3034 Has been maintained per manufactures requirements and is in good working order. At the time of the machines arrival to site (Marsh Landing Generating Station) a full inspection prior to allowing the machine to work was performed. If any Safety or Environmental issues where found during this inspection the machine would not be allowed to work tell all issues have been resolved.

Kevin Bock
Equipment Superintendent
Kiewit Powers Constructors Co

California Environmental Protection Agency AIR RESOURCES BOARD	PERKINS ENGINES COMPANY LTD.	EXECUTIVE ORDER U-R-022-0159 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	BPKXL04.4NJ1	4.4	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Electronic Direct Injection, Electronic Control Module, Turbocharger, Charge Air Cooler	Cranes, Loaders, Tractor, Dozer, Pump, Compressor, Generator Set, 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
56 ≤ kW < 75	Tier 3	STD	N/A	N/A	4.7	5.0	0.40	20	15	50
75 ≤ kW < 130	Tier 3	STD	N/A	N/A	4.0	5.0	0.30	20	15	50
		CERT	--	--	3.7	1.8	0.21	7	2	11

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 13 day of December 2010.

Annette Hebert, Chief
Mobile Source Operations Division

Attachment 2 of 2

U-R-03-2.04 AQ-SCS 9

12-3-2010

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		
PKXL04.4NJ1	28	3260/2200	102.5@2200	84.3	40.7	348@1400	109.0	33.5	ECM DDI TAA	TC	CAC
PKXL04.4NJ1	29	3261/2200	100@2200	84.3	40.7	345/1400	109.0	33.5	ECM DDI TAA		
PKXL04.4NJ1	30	3262/2200	117.3@2200	94.0	45.3	394/1400	121.7	37.3	ECM DDI TAA		
PKXL04.4NJ1	31	3263/2200	114.9@2200	94.0	45.3	391/1400	121.7	37.3	ECM DDI TAA		
PKXL04.4NJ1	32	3264/2200	126.9@2200	99.8	48.1	409@1400	124.6	38.2	ECM DDI TAA		
PKXL04.4NJ1	33	3265/2200	124.4@2200	99.8	48.1	406@1400	124.6	38.2	ECM DDI TAA		
PKXL04.4NJ1	34	3425/2220	123.1@2220	97.8	47.6	361@1400	112.0	34.4	ECM DDI TAA		
PKXL04.4NJ1	35	3426/2500	124.7@2500	92.0	50.4	362@1500	107.9	35.5	ECM DDI TAA		
PKXL04.4NJ1	36	3472/2400	126@2400	95.9	50.5	364@1400	114.1	36.0	DDI TAA ECM		
PKXL04.4NJ1	37	3474/2400	141.3@2400	104.1	54.8	361@1400	121.9	38.5	DDI TAA ECM		
PKXL04.4NJ1	38	3494/2200	122@2200	98.8	47.6	358@1400	113.4	34.8	DDI TAA ECM		

Attachment 1 of 2

U-R-022-0159

12-3-2010

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	
PKXL04.4NJ1	1	3339/2200	144@2200	114.5	55.2	413@1400	131.7	40.4	DDI TAA ECM	TC, CAC
PKXL04.4NJ1	2	2936/2000	145@2000	120.0	52.6	405@1400	124.3	38.8	DDI TAA ECM	
PKXL04.4NJ1	3	2932/2000	118@2000	100.5	44.1	391@1400	121.3	37.2	DDI TAA ECM	
PKXL04.4NJ1	4	2940/2000	136.8@2000	114.8	50.3	406@1400	124.4	38.2	DDI TAA ECM	
PKXL04.4NJ1	5	2934/2000	107.3@2000	91.0	40.0	354@1400	112.4	34.5	DDI TAA ECM	
PKXL04.4NJ1	6	3028/2200	142.4@2200	112.0	54.0	410@1400	126.8	38.9	DDI TAA ECM	
PKXL04.4NJ1	7	2894/2200	139.6@2200	112.0	54.0	406@1400	126.8	38.9	DDI TAA ECM	
PKXL04.4NJ1	8	3032/2200	136.8@2200	107.3	51.7	395@1400	121.4	37.3	DDI TAA ECM	
PKXL04.4NJ1	9	2908/2200	134@2200	107.3	51.7	391@1400	121.4	37.3	DDI TAA ECM	
PKXL04.4NJ1	10	3026/2200	129.4@2200	102.4	49.4	381@1400	117.4	36.0	DDI TAA ECM	
PKXL04.4NJ1	11	2900/2200	127@2200	102.4	49.4	376@1400	117.4	36.0	DDI TAA ECM	
PKXL04.4NJ1	12	3020/2200	125@2200	100.2	48.3	366@1400	114.7	35.2	DDI TAA ECM	
PKXL04.4NJ1	13	2898/2200	122@2200	100.2	48.3	361@1400	114.7	35.2	DDI TAA ECM	
PKXL04.4NJ1	14	3198/2200	122@2200	98.8	47.6	361@1400	113.4	34.8	DDI TAA ECM	
PKXL04.4NJ1	15	3197/2200	120@2200	98.8	47.6	358@1400	113.4	34.8	DDI TAA ECM	
PKXL04.4NJ1	16	3018/2200	117@2200	96.0	46.3	381@1400	118.4	36.3	DDI TAA ECM	
PKXL04.4NJ1	17	2939/2200	114@2200	96.0	46.3	376@1400	118.4	36.3	DDI TAA ECM	
PKXL04.4NJ1	18	3012/2200	110@2200	91.1	43.9	358@1400	112.5	34.5	DDI TAA ECM	
PKXL04.4NJ1	19	2906/2200	107@2200	91.1	43.9	354@1400	112.5	34.5	DDI TAA ECM	
PKXL04.4NJ1	20	3272/2400	125.9@2400	95.9	50.5	364@1400	114.1	36.0	DDI TAA ECM	
PKXL04.4NJ1	21	3273/2400	123@2400	95.9	50.5	361@1400	114.1	36.0	DDI TAA ECM	
PKXL04.4NJ1	22	3274/2400	141@2400	104.1	54.8	394@1400	121.9	38.5	DDI TAA ECM	
PKXL04.4NJ1	23	3275/2400	138.8@2200	104.1	54.8	391@1400	121.9	38.5	DDI TAA ECM	
PKXL04.4NJ1	24	3362/1800	156.8@1800	138.5	54.6	457@1800	138.5	54.6	DDI TAA ECM	
PKXL04.4NJ1	25	3364/1500	131@1500	138	45.4	457@1500	138	45.4	DDI TAA ECM	
PKXL04.4NJ1	26	3366/1800	130@1800	120	47.4	379@1800	120	47.4	DDI TAA ECM	
PKXL04.4NJ1	27	3368/1500	108@1500	112	36.8	379@1500	112	36.8	DDI TAA ECM	

2.01 AQ-SC5

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

January 4, 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)
December 2011 Monthly Monitoring Summary Report, Biological Resources

Dear Ms. Stora:

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

Project Description

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

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

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

Biological Resources Monitoring

Condition of Certification BIO-2 requires that the Designated Biologist "supervise, conduct and coordinate mitigation, monitoring and other biological resources compliance efforts, particularly in areas requiring avoidance or containing sensitive biological resources, such as special status species or

their habitat." As such, 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 December 15 and 28, 2011; a biological monitor was on site on each of these days.

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

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

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

Biological Resources Monitoring Observations: December 2011

On the morning of December 19, Kiewit personnel found and photographed a dead American coot (*Fulica americana*) in the project area. GenOn contacted the designated biologist the same day, as no URS personnel were on site. The photo showed a dead coot lying on its back in a shallow puddle, with no obvious indication of mortality. Coots are abundant in the fringing freshwater marsh north of the project area, and have also been detected in the detention basin. At the request of URS, Kiewit personnel moved the carcass to the detention basin, to reduce the likelihood of attracting scavengers into the work area.

The federally listed endangered Antioch dunes evening primrose (*Oenothera deltoides* ssp. *howellii*) (primrose) first described in the May 2011 monthly report (URS 2011a) 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 December 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
- Pile driving in energy block
- Pouring concrete

Implementation of Mitigation Measures

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

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

Conditions of Certification Compliance

No 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): May 2011 Monthly Monitoring Summary Report, Biological Resources. June 6.

URS (URS Corporation). 2011b. 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
December 2011
Marsh Landing Generating Station

Biological Monitoring Log

Marsh Landing Generating Station	Date: 12-15-2011
Monitor: ODE BERNSTEIN	Time: 0700 - 815
Weather: COLD, RAIN, LT WIND	

Photo Numbers:

Activity that requires monitor's presence:
CONSTRUCTION ACTIVITY BI-MONTHLY INSPECTION

Description of Construction Activities Observed:
CONSTRUCTION IN ENERGY BLOCK

Compliance Observations and Issues:

ESA Fencing: OK

Wildlife Pitfalls/Traps/Pipes: OK

Nesting Birds: N/A - OUT OF SEASON

Coordination with Construction Personnel: OK

Other Compliance Issues: NONE

Wildlife Species List for Day:
AMERICAN CROW
WHITE AND GOLDEN CROWNED SPARROW
EURASIAN COLLARED DOVE
SCRUB JAY

- MINIMAL WILDLIFE ACTIVITY DUE TO RAIN/COLD

URS
1333 Broadway, Suite 800
Oakland, CA 94612

Daily Monitoring Checklist **Date** 12-15-2011
(Check if in compliance)

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

Notes:

Biological Monitoring Log

Marsh Landing Generating Station	Date: 12/28
Monitor: Mark Wilson	Time: 9:00
Weather: overcast 60° F	

Photo Numbers:

Activity that requires monitor's presence: spot checks every other week for any biological issues

Description of Construction Activities Observed:

pile driving, staging, material transport excavation

Compliance Observations and Issues:

ESA Fencing: yes, checked

Wildlife Pitfalls/Traps/Pipes: checked

Nesting Birds: none

Coordination with Construction Personnel: safety meeting

Other Compliance Issues: none

Wildlife Species List for Day:

house finch, sparrow, american crow, snowy egret, small mammal tracks (raccoon)

URS
1333 Broadway, Suite 800

Daily Monitoring Checklist **Date** 12/28/11
(Check if in compliance)

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

Notes:

Attachment B

Complete Observed Wildlife Species List
Biological Resources Monitoring
December 2011
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
Corvus brachyrhynchos	American crow	n/a	Native	throughout project area
Fulica americana	American coot	n/a	Native	observed in marsh north of project site
Procyon lotor	raccoon	n/a	Native	observed tracks throughout project area
Streptopelia decaocto	Eurasian collared dove	n/a	Non-native	throughout project area
Zonotrichia leucophrys	white-crowned sparrow	n/a	Native	observed perching on northwest fence line
Zonotrichia atricapilla	golden-crowned sparrow	n/a	Native	observed perching on northwest fence line
Carpodacus mexicanus	House Finch	n/a	Native	observed perching on northwest fence line
Egretta thula	Snowy Egret	n/a	Native	observed hunting just north of the northern 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 12-31-2011

Worker Environmental Awareness Program Matrix

Date	Numbers
12/31/2011	28
Total	**28**

Trainer: Video Training
Date: 11/15/11 - 12/5/11
Training:
(For Office Use Only)

All Training done via approved Video

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]	Ron Perry	Kiewit	11/15/11
2.	[illegible]	Pat Dimichele	Kiewit	11/15/11
3.	Sandy Thomas	Sandy Thomas	Kiewit	11/15/11
4.	[illegible]	Ed Watts	Badger	11/16/11
5.	Jason Bell	Jason Bell	Badger	11/16/11
6.	[illegible]	Mike Foutch	Fremouw	11-21-11
7.	Andre' Westbrook	Andre Westbrook	KIEWIT	11-23-11
8.	Magdaleno Curiel	Magdaleno Curiel	Kiewit	11-23-11
9.	[illegible]	Jesse Childers	Badger	11/28/11
10.	[illegible]	Tom Brown	Kiewit	11/28/11
11.	[illegible]	BRAD THOMAS	F3	11/28/11
12.	Joaquin Viana	Joaquin Viana	P.C.S	11/28/11
13.	Lisa K Halsey Gunther	Lisa Halsey-Gunther	Kiewit	12-2-11
14.	Bryan Wilkins	BRYAN WILKINS	KIEWIT	12-2-11
15.	Richard Gale	Richard A Gale	Kiewit	12/5/11
16.	Christopher Walker	Christopher Walker	Kiewit	12-5-11
17.	Clint T. Delwisch	Clint T. Delwisch	Kiewit	12/5/11
18.	Tori Leland	Tori Leland	Kiewit	12/5/11
19.	[illegible]	John Ehle	Kiewit	12/5/11
20.	Robert Smith	Robert Smith	Kiewit	12-5-11

Trainer:	Video Training
Date:	12/6/11 - 12/9/11
Training:	
	(For Office Use Only)

Marsh Landing Generating Station

WORKER ENVIRONMENTAL AWARENESS PROGRAM
WORKER TRAINING ATTENDANCE RECORD

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7.		R. J. COSME	Kiewit	12/8/2011
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9.		Curtis D. Richards	Kiewit	12-8-11
10.		Mike Thomas	Kiewit	12-8-11
11.		James J. Gordona	Kiewit	12-08-11
12.		TROY CARIGLIO	KIEWIT	12 8 11
13.		Gerardo Ocampo	PCS	12.9.11
14.		Fabian Panuco	PCS	12.9.11
15.		Robert Tapia	PCS	12/9/11
16.		miguel J. Monclús	PCS	12/9/11
17.		Lionel Vallez	P.C.S.	12-9-11
18.		Andrew Barbee	Kiewit	12-9-11
19.		MARK WILKINSON	KIEWIT	12-09-11
20.		B. Doan	Kiewit	12/9/11

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 : December 7, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 3

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

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

CIVIL-1-13.0 (CBO-0319)
Approved w/ Fire Approval

CIVIL-1-8.0 (CBO-0176)
Approved w/ Fire Approval

CIVIL-1-8.0 (CBO-0360)
Approved w/ Fire Approval

Deborah Sandercock, S.E.
Supervising Structural Engineer

Marie Taylor
Supervising Building Inspector

JRitchie FOR
Gary Faria
Senior Grading Inspector

Marsh Landing - CBO Transmittal Report

Title CIVIL-1-13.0 **CBO-0319** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-CM-023 Rev. 3		Surfacing Plan (Added Asphalt Paving)	GF	11/17/2011	12/7/2011	Approved w/ Fire Approval

Title CIVIL-1-8.0 **CBO-0176** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-CS-044 rev0	06/30/11	Site Plan	GF	11/18/2011	12/7/2011	Approved w/ Fire Approval
Drawing	2009-019-CS-037 rev2	06/30/11	Site Plan	GF	11/17/2011	12/7/2011	Approved w/ Fire Approval
Drawing	2009-019-CS-036 rev3	06/30/11	Site Plan	GF	11/17/2011	12/7/2011	Approved w/ Fire Approval
Drawing	2009-019-CS-035 rev1	06/30/11	Site Plan	GF	11/17/2011	12/7/2011	Approved w/ Fire Approval
Drawing	2009-019-CS-030 rev1	06/30/11	Site Plan	GF	11/17/2011	12/7/2011	Approved w/ Fire Approval
Drawing	2009-019-CS-029 rev2	06/30/11	Site Plan	GF	11/17/2011	12/7/2011	Approved w/ Fire Approval
Drawing	2009-019-CS-028 rev2	06/30/11	Site Plan	GF	11/17/2011	12/7/2011	Approved w/ Fire Approval
Drawing	2009-019-CS-027 rev1	06/30/11	Site Plan	GF	11/17/2011	12/7/2011	Approved w/ Fire Approval
Drawing	2009-019-CS-021 rev2	06/30/11	Site Plan	GF	11/17/2011	12/7/2011	Approved w/ Fire Approval
Drawing	2009-019-CS-020 rev2	06/30/11	Site Plan	GF	11/17/2011	12/7/2011	Approved w/ Fire Approval
Drawing	2009-019-CS-019 rev1	06/30/11	Site Plan	GF	11/17/2011	12/7/2011	Approved w/ Fire Approval
Drawing	2009-019-CS-001 rev1	06/30/11	Site Key Plan	GF	11/17/2011	12/7/2011	Approved w/ Fire Approval

Title CIVIL-1-8.0 **CBO-0360** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-CD-001 rev2	10/26/11	Site Details	GF	11/17/2011	12/7/2011	Approved w/ Fire Approval

Subsection 2.09(CIVIL-3)

As of 12-31-2011

Non Conformance Report	None

Subsection 2.11(CUL-5)

As of -12-31-2011

Worker Environmental Awareness Program Matrix

Date	Numbers
12/31/2011	28
Total	**28**

Trainer: Video Training
Date: 11/15/11 - 12/5/11
Training:
(For Office Use Only)

Marsh Landing Generating Station

Worker Environmental Awareness Program
Worker Training Attendance Record

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18.	Tori Leland	Tori Leland	Kiewit	12/5/11
19.	[illegible]	John Ehle	Kiewit	12/5/11
20.	Robert Smith	Robert Smith	Kiewit	12-5-11

Trainer:	Video Training
Date:	12/6/11 - 12/9/11
Training:	
	(For Office Use Only)

Marsh Landing Generating Station

WORKER ENVIRONMENTAL AWARENESS PROGRAM
WORKER TRAINING ATTENDANCE RECORD

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18.		Andrew Barbee	Kiewit	12-9-11
19.		MARK WILKINSON	KIEWIT	12-09-11
20.		B. Doan	Kiewit	12/9/11

Cultural Resources Report Subsection 2.12

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

December 2011

January 4, 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 December 2011.

Project Description

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

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

Cultural Resources Monitoring

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

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

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

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

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

Monitoring Activities

Cultural resources monitoring activities at the MLGS site for the month of December included monitoring excavation for duct banks, vaults and manholes as well as excavation for pile driving. 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 December 1 through December 30, 2011. One CRM was on site during all excavation activities. Pile driving also occurred intermittently in December and was spot monitored. Pile driving is complete as of December 31, 2011.

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 December 10, 2011, eight ceramic sherds representing one salt glazed crock were discovered during trenching for temporary electrical installation. Work was halted in the immediate area and the CEC was notified. On December 12, 2011, following analysis of the find, 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. CEC staff also requested additional analysis of the find and more detailed information regarding construction and excavation activities at the site. A response is currently being prepared.

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. CEC staff has not yet concurred with this recommendation.

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

Date	Monitor(s)	Activities/Observations	Discoveries
12.01.2011	Ben Elliott	Monitored excavation for duct bank K to a depth of ~4 feet below ground surface (bgs). Potential native soil observed at ~3.5 feet bgs; soils disturbed above 2 feet.	None
12.02.2011	Maureen Kick	Monitored excavation for duct bank K for gas line at ~8 feet bgs. Native soils possibly visible at 9 feet bgs but soils predominantly disturbed.	None
12.03.2011	Maureen Kick	Monitored excavation for duct bank K at elevation 6. No native soils observed.	None

Date	Monitor(s)	Activities/Observations	Discoveries
12.05.2011	Joe Belk	Monitored excavation of duct bank K and Section E to a maximum depth of 10 feet bgs. All observed soils disturbed/redeposited.	None
12.06.2011	Joe Belk	Monitored excavation of duct bank P. Native soils observed as darker brown silty sand at ~9 to 9.5.'	None
12.07.2011	Joseph Belk	Monitored excavation of duct bank P and R at a depth of ~10 feet bgs. Native soils visible at depth.	None
12.08.2011	Joseph Belk	Monitored excavation of northwest portion of duct bank R to a depth of ~4.5 feet bgs. Native soils observed at depth.	None
12.09.2011	Joseph Belk	Monitored excavation of duct bank R electrical vault to depths of 4.5 to ~10 feet bgs. Native soils observed at depth.	None
12.10.2011	Joseph Belk	Monitored excavation of duct bank R, K, and T fire trench to a depth of approximately 5 feet bgs. Monitored excavation of temporary electrical trench.	8 ceramic sherds were identified.
12.12.2011	Joseph Belk	Monitored excavation of duct bank K, T, & Fire Ring trench. Possible native soils observed in Fire Ring trench, however, observed soils predominantly disturbed/redeposited.	None
12.13.2011	Joseph Belk	Monitored excavation for duct bank T to a depth of 7.5feet bgs. No native soils observed.	None
12.14.2011	Joseph Belk	Monitored excavation for Fire Ring trench at a depth of approximately 7 feet bgs. Native soils were possibly identified at approximately 5bgs.	None
12.15.2011	Joseph Belk	Monitored excavation of duct bank N and CT-3 to a depth of 9.6 feet bgs. Possible native soils observed at depth, but soils observed predominantly disturbed/redeposited.	None

Date	Monitor(s)	Activities/Observations	Discoveries
12.16.2011	Joseph Belk	Monitored excavation of duct bank T and two other shallow trenches. Excavated to a depth of approximately 5 feet bgs. Possible native soils observed at depth.	None
12.19.2011	Joseph Belk	Monitored excavation of duct bank M and K at a depth of approximately 11 feet bgs. No native soils observed.	None
12.20.2011	Joseph Belk	Monitored excavation of duct bank M and K to a depth of approximately 7 feet bgs in several trenches. Possible native soils observed at depth.	None
12.21.2011	Joseph Belk	Monitored excavation of duct bank M, K, & L trenches to a depth of approximately 10 feet bgs. Possible native soils observed at depth.	None
12.22.2011	Joseph Belk	Monitored excavation of duct bank M to a depth of approximately 8 feet bgs. Possible native soils observed at depth.	None
12.23.2011	Joseph Belk	Monitored trenching of duct bank M to a depth of 4 feet bgs. All soils disturbed/redeposited.	None
12.27.2011	Joseph Belk	Monitored excavation of duct banks T to a depth of approximately 6 feet bgs. Possible native soils observed at depth.	None
12.28.2011	Joseph Belk	Monitored excavation of duct bank S and spot monitored pile driving to a depth of approximately 30 feet bgs. Some possible native soils observed in drill spoils.	None
12.29.2011	Joseph Belk	Monitored excavation of duct bank S and spot monitored pile driving. Some possible native soils observed in drill spoils.	None
12.30.2011	Joseph Belk	Monitored excavation of duct bank S and storm water trench and spot monitored pile driving to a depth of approximately 40 feet bgs. No native 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 December 1 and December 30, 2011. One CRM was onsite during excavation activities. Pile driving was spot monitored throughout the month of December. Pile driving is complete as of December 31, 2011. All ground disturbing activities throughout the MLGS project area were monitored. Monitoring is ongoing, and will continue full-time for all excavation activities.

Maureen Kick

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
December 2011
Marsh Landing Generating Station

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

EXCAVATION ENDED AT 1628. STAYED ONSITE to 1700. ALL EXCAVATION CREWS PARKED ~~AND~~ EQUIP AND LEFT BY 1700.

Date: 12/1/11 Monitor Name: B. ELLIOTT (URS)

Weather Conditions: HIGH WINDS
Hours on Site Not Worked and Reason: ——
Work Location (Project Component): AREA K / UNIT 2 SCR FAN / ROADWAY PARALLEL TO SOUT SIDE OF GENON 194 FACILITY (BRICK BU
Work Type (Machine): 1 EXCAVATOR / 2 EXCAVATORS / 2 HYDROVAC DAYLIGHTING TRUCKS
Depth of Excavation: to ≈ 4' AMSL / very shallow ± 18" / 7' below grade
Observed Native Soils (Stratigraphy): NATIVE SOIL VISIBLE IN AREA K ONLY —
Disturbed/Redeposited Soils: UPPER ≈ 2' PREV. DISTURBED, LOWER 3.5' = NATIVE (Photos taken)
Features: Ø

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

Ø

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

Ø

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

Ø

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 12/2/11 Monitor Name: Maureen Kick

Weather Conditions: Sunny, clear, cool
Hours on Site Not Worked and Reason: ϕ
Work Location (Project Component): Duct Bank K / Potholding for gas line
Work Type (Machine): Excavators
Depth of Excavation: ~ elev. 8
Observed Native Soils (Stratigraphy): below elev 9 possibly
Disturbed/Redeposited Soils: most
Features:

ϕ

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

ϕ

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

ϕ

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

On site 7AM-5PM

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 12/3/11 Monitor Name: Maureen Kick

Weather Conditions: Sunny, windy 65°
Hours on Site Not Worked and Reason: ϕ
Work Location (Project Component): Duct Bank K
Work Type (Machine): Excavators
Depth of Excavation: Elev 6
Observed Native Soils (Stratigraphy): None observed
Disturbed/Redeposited Soils: All
Features:

ϕ

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

ϕ

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

ϕ

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

7-3PM

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 12/5/11 Monitor Name: Joseph Belk

Weather Conditions: AM Cool to Moderate Warm, lite winds from NNE PM WARM, lite winds from NNE
Hours on Site Not Worked and Reason:
Work Location (Project Component): Duct Bank K & Section E
Work Type (Machine): Backhoe / Excavator
Depth of Excavation: DBK To ~ Section E to ~ 3' bms
Observed Native Soils (Stratigraphy): Duct Bank K @ between -8 & -10 First brown silt/sand Encountered
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: -3-
DSCN8245 – Duck Bank K Looking E
DSCN8246 – North Wall of Duck Bank K Looking NNE – Section Showing Native silt Sand below – 8 Shovel scale
DSCN8247 – " " " " " " " – Detail of Lower Strata (Native silty Sand no observable gravels)

* bms = below modern surface
✓ David Frandsen ~ 3:55P
✓ Maureen Kick

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 12/6/11 Monitor Name: Joseph Belk

Weather Conditions: AM Cold - Slight Wind, Warming as Sun Rises
Hours on Site Not Worked and Reason: —
Work Location (Project Component): Duck Bank P L Shaped Trench ~ 25' Total
Work Type (Machine): Excavators -
Depth of Excavation: to ~ -9.5 1 Trench NS ~ 13' long EW ~ 13' long
Observed Native Soils (Stratigraphy): YES - Small Lens of Darker Brown Silty Sand @ ~ -9 to -9.5
Disturbed/Redeposited Soils: YES ↳ No Gravels -
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: See Annette's (Sent Joe Stewart San Diego office) Photo this date.
- only one Photo of Completed Trench - Nothing important to see. I should be able to get a documenting Image First Light in the AM

✓ David F. - monitor log (Susan)
Maureen K. - monitor log
✓ Mike K. - Daily Proj (Safty) Review

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 12/7/11 Monitor Name: Joseph Belk

Weather Conditions: AM/Cold - slight wind, warming with Sun Rise
Hours on Site Not Worked and Reason: –
Work Location (Project Component): Duct Bank P (AM No Ex)(PM Vault No. of DB-R)
Work Type (Machine): Excavators - Shovels
Depth of Excavation: Trench E 1.25
Observed Native Soils (Stratigraphy): YES @ ~ -10
Disturbed/Redeposited Soils: YES Above -10
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:
2 OVERVIEWS of Duct Bank R Look NW & NE

✓ David F - monitor log
✓ MAUREEN K - monitor log
✓ Mike K - DPR

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 12/8/11 Monitor Name: Joseph Belk

Weather Conditions: AM Cold Slight Wind from NW, Clear & Sunny All day - Warmer PM
Hours on Site Not Worked and Reason: –
Work Location (Project Component): MLGS - Deep Vault in Section R North West Portion
Work Type (Machine): Excavator - Shovel
Depth of Excavation: to 4.50EL, And will go to ~ 0.00EL
Observed Native Soils (Stratigraphy): YES - first observed ~ 6.0EL
Disturbed/Redeposited Soils: YES - Above First Lens of Native brown silt sand
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

DSCN8257 Ending Photo of Vault in Section R

✓ David F - monitoring log
✓ Maureen K - monitoring
✓ Mike K - DPR Log

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 12/9/11 Monitor Name: Joseph Belk

Weather Conditions: AM Cold/Lite Fog / PM
Hours on Site Not Worked and Reason: —
Work Location (Project Component): Duct Bank R BOP (balance of Power) Elec Vault, ↳ Fire Trench So Most Edge of Site
Work Type (Machine): Excavator - Shovel
Depth of Excavation: 4.5 EL to ~0 - Duct Bank R / So most Fire Trench to ~-10
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

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 12/10/11 Monitor Name: Joseph Belk

Weather Conditions: Total Lunar Eclipse AM Fog - Dense / Cold ~ Mid 40's PM Warm Slight Breeze from NW
Hours on Site Not Worked and Reason: —
Work Location (Project Component): Duck Bank R, R, T Fire Trench extreme South Edge of site
Work Type (Machine): Excavators - Shovel / > Phase Electric Services Trench
Depth of Excavation: DBR ~0.00 EL, Fire Trenching 4.97 EL
Observed Native Soils (Stratigraphy): Aeolian Sand dune evidence -
Disturbed/Redeposited Soils: Yes ground surface to ~ 4.5 to 5' below
Features:
indeterminate @ this time - Electric Service Trench

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, stratigraphic context.):
- All artifacts observed or collected are greater than 50 years old - Not Exceptional - Isolated
8 - Salt Glazed Earthenware - 2 Rim Frags. Diagnostic
1 - Metal Frag ~5" wide 1/2" thick, Length Unknown still embedded in North Elec Service Trench N Wall
- UTM E 4485.7 N 6158 EL 8.45' // ~ 42' South & 17.2' from Above Ground Hi Voltage Elec Box
- Within a well developed and undisturbed dune deposit

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

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling):
When Joe Belk was notified @ ~11:15 by Annette C. while monitoring the Southern most Fire Trenching
Belk - Halted High Pressure H_2O Excavation - it was determined that the Historic deposit was first observed by the Rig Opperator After they were 15' or 20' beyond and to the West of Historic deposit #1 12-10-11.
It was determined by Marueen K. & Joe B. since no other Historic or Prehistoric deposits appeared in the N or S Side wall that this crew could finish the ~15' of this Trench Job. Joe Belk monitored this final few feet closely.
The Trench is an L Shape - Tape measured 47' NS & Westward ~50', 3' wide and 3' deep. The Artifacts were collected from the N Wall of the E W Running Trench a 17.2' East of NS Trench and at ~2.8' below the Modern Surface.
> Photo's of Trench location as Related to the Above Ground Electric Boxes, Profile of trench where Artifacts were discovered & spoil location where both Rim fragments were discovered.

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 12/12/11 Monitor Name: Joseph Belk

Weather Conditions: AM/ WET & Cold ~ 50° ~~breeze~~ from NW PM/ WARMER, OVERCAST
Hours on Site Not Worked and Reason: –
Work Location (Project Component): Duct Bank K, T, & Fire Ring Trench Southern boundary
Work Type (Machine): Excavator, Pile driver
Depth of Excavation: DB K Trench 4. Dthree Trench 4. / Fire Ring T ~
Observed Native Soils (Stratigraphy): Possibly in Fire Ring Trench @. difficult to see
Disturbed/Redeposited Soils: YES → in the water present @ termination and in the Eastern → Half of this Trench
Features:

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

Photos: ? NONE

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 12/13/11 Monitor Name: Joseph Belk

Weather Conditions: AM Cold and clear ~48° / PM WARM Breeze from NW
Hours on Site Not Worked and Reason: —
Work Location (Project Component): Fire Circle Trench, Duct Bank T, Pile Drilling
Work Type (Machine): Excavators / Shovel
Depth of Excavation: 7.5
Observed Native Soils (Stratigraphy): No
Disturbed/Redeposited Soils: yes
Features: Ø

Artifacts (Isolated? Diagnostic? Greater than 50 years? Exceptional? Include description, provenience, stratigraphic context.):
- No Artifact - Isolated
- 1 - Naturally Flacked Stone with Cortex - Crytocrystiline -

Assessment of Significance of Any Finds? (As recommended by the CRS):
- Not Significant - URS office & Field Assessment

Actions Taken (Halt/Resume Construction; Identification; Notifications; Recommendations; Photography; Collecting; Sampling): Fire Ring Trench - South East Portion After Last Elbow
- Halted Excavation for ~1.5hrs to make Assement of Flaked Stone
- Resumed Excavation After lunch

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 12/14/11 Monitor Name: Joseph Belk

Weather Conditions: AM / cold ~45° CLEAR AND WARM by Mid Morning

Hours on Site Not Worked and Reason:

Work Location (Project Component): FIRE RING TRENCH, Pile driving

Work Type (Machine): Excavator

Depth of Excavation: 7.47' Plus A deeper

Observed Native Soils (Stratigraphy): Possibly: @ ~ 5.00 Some color change (darker) w/gravel. Cont

Disturbed/Redeposited Soils: YES: Top to 5.00' - deeper darker soil may be Redeposited

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

Photos: END of FIRE RING TRENCH Looking West

" " " " " " North & South

> Soils Observed cont: The Possibly Native Soil that occassional appears along the deeper 2/3's of this Trench may be explained by an increase in moisture. What I have noted may not be undisturbed Native Soil. There is a distinct difference in color (darker than Redeposits above) but there does not appear to be an increase in fine silts. A mid to dark Brown Silty Sand discribes the first layer of Native Soils.

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 12/15/11 Monitor Name: Joseph Belk - URS - Hrs on site 6:30am - 5pm

Weather Conditions: Rain over night - Cold, wind
Hours on Site Not Worked and Reason: —
Work Location (Project Component): CT-3 Embeds South of Duck Bank N - Started 12/14 No monitor
Work Type (Machine): Excavator - Trenching
Depth of Excavation: 9.6 EL
Observed Native Soils (Stratigraphy): Maybe @ ~ 9.6 in both deeper Trenches * SEE below
Disturbed/Redeposited Soils: Yes - From current surface to ~ 9.3 EL
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 Two Trenche Excavated 12/14/11 without cultural or Paleo monitors being Informed or Present.

* Poss Native Soil in the bottom of CT-3 Embed deeper Trench. However, these observed deposit may in fact be Redeposited Clods of Native Soils due to the observation when Scraped they are thin & not Joined. Further they are surrounded by Yellowish Sand. As if Clods from Another location were dumped here in Recent back fill Episodes. Some of this appears between El 9.6 & the current Surface. It would be useful to determine how deep previous mass went in this Area and where the Redeposits came from on site.

David F. ✓

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 12/16/11 Fri Monitor Name: Joseph Belk - URS - Hrs on Site ~6 30 Am -

Weather Conditions: Am Cold to cool Sunny & Clear No Wind PM
Hours on Site Not Worked and Reason: —
Work Location (Project Component): Duct Bank T - 2 other Shallow Trenches Above EL 12
Work Type (Machine): Excavator - Shovel
Depth of Excavation: EL 5.042 Bottom
Observed Native Soils (Stratigraphy): Yes @ ~ EL 6.0
Disturbed/Redeposited Soils: Yes Above EL 6.0
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

Photos: Yes - End of Duct Bank T

Notifications: Consulted with Jason After Reg Kiewit Meeting First Thing to Review what is Expected to be Trenched & Where. Am Consulted with About Afternoon Excavations if Any and About Saturdays Schedule PM

David F ✓

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 12/19/11 Monitor Name: Joseph Belk hrs on Site 7-5

Weather Conditions: AM Cold ~48°, Clear Slight Breeze from the E. PM CLEAR & Sunny, Breeze from N
Hours on Site Not Worked and Reason: Ø
Work Location (Project Component): Cut Back ~2' below current surface in Dust Bank's M, K
Work Type (Machine): Excavator - Shovel - Trowel (Possible)
Depth of Excavation: DB M, K to El 11.0 - Trench Layed out in DB-L El 8.44
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

Photos: None

Notes: Spoke w/Jason in Am & Josh PM - layed out a trench in DB-L El. 8.44 - They may or may not start Excavation's; They did not start it today

David F. ✓

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 12/20/11 Monitor Name: Joseph Belk on site (7-4:30)

Weather Conditions: AM Cold/Dense Fog Wind from / PM cool & Sunny
Hours on Site Not Worked and Reason: Ø
Work Location (Project Component): Duct Bank M & K
Work Type (Machine): Excavation
Depth of Excavation: Several Trenches – deepest EL 7.39
Observed Native Soils (Stratigraphy): Yes – @ Just below
Disturbed/Redeposited Soils: Yes above ~ EL 10.0/9.98 undulating.
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: Spoke w/ Jason in AM & Josh off and on throughout the day As he laid out trenches @ ~ EL 10.00 to 9.98 A Naturaly deposited, undisturbed Clay Sand, med Brown was observed in all trenching Accomplished today. Further this Natural deposit is devoid of Stones or Gravels.
Finaly No Cultural material or evidance of such was observed.

David F. ✓

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 12/21/11 Monitor Name: Joseph Belk on site (7-5)

Weather Conditions: AM Cold, Dense Fog PM Clear & Sunny Warmer
Hours on Site Not Worked and Reason: Ø
Work Location (Project Component): Duct Bank M, K & L Deep Trenches
Work Type (Machine): Excavator, Shovel
Depth of Excavation: Several from EL 9.6 to 7.39
Observed Native Soils (Stratigraphy): Yes - from ~EL 9.60 to 10.20 undulating transition to deepest EL 7.39
Disturbed/Redeposited Soils: Yes - from current surfaces to ~EL 10.00
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):
AM Two ~3.5" Asbestos Pipes, 5' Exposed @ ~7.70 in the deepest trench in Duct Bank M. Approximately 1ft of these pipes were encased in concrete. Not demened significant.
- Previous Industrial Infrastructure

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

Photo: Trench Completions
Good Example A Profile - N End of EL 7.55 Trench
Asbestos Pipes in situ and after removal

Note: No Cultural Evidance observed in any trench excavated today below EL - 10.00.

David F. ✓
Richard S. Turned in DPR (HSA) today
M. Kick ✓

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 12/22/11 Monitor Name: Joseph Belk on site (7-5)

Weather Conditions: AM Cold, Windy from NNW / PM Sunny & Warmer - Slight Breeze/Gusty
Hours on Site Not Worked and Reason: Ø
Work Location (Project Component): Duct Bank M -
Work Type (Machine): Excavator - Shovel
Depth of Excavation: EL 7.55-deepest -
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: Some deep excavation to EL 7.55 in DB-M / Plumbers installed PVC Conduit in Elec Service Trench that was put on stand by cultural material deposit discovered Sat 12/10/11.
Jason & Josh - Pass Ex DB-M Tomorrow

David F. ✓
M. Kick ✓

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 12/23/2011 Monitor Name: Joseph Belk on site (7-12)

Weather Conditions: AM Cold - Frost & Clear, slight Breeze / PM - NO WORK
Hours on Site Not Worked and Reason: Ø
Work Location (Project Component): SEVERAL locations in Duct Bank M
Work Type (Machine): EXCAVATOR - Shovel
Depth of Excavation: >4' deep in Redeposits (Not into Native Soil)
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):
No Photos: Ø

Note: AM Spoke to Steve B. & Jason: They don't expect any Deep Excavations today. This to me is because of a Concrete Pour that started at 1AM & may last past 3PM today. Several short Trenches dug & clean out within Northern Portion of Exposed Fire Ring Pipe. These Excavations were less than 4ft deep and only in Redeposited material.
~11:30 Spoke to Jason; All Civil going home @ NOON, only clean up & Road smoothing will cont into early afternoon. I will finish Paper and leave @ NOON. Then scanning, E-mail & only paperwork from home office

David F. ✓ Richard S. Delivered DPR / JHA To Mike K. ✓
M. Kick ✓

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 12/27/11 Tues Monitor Name: Joseph Bielk (on site 7-4:30)

Weather Conditions: AM Foggy & Cold slight breeze from N / PM Clear & Warmer
Hours on Site Not Worked and Reason: Ø
Work Location (Project Component): Duck Bank T Excavation Duct Bank S Drilling
Work Type (Machine): Excavator - Shovel - Drill Rig & Pile Driver
Depth of Excavation: EL 5.67
Observed Native Soils (Stratigraphy): Yes ~EL 7.50 to EL 5.67
Disturbed/Redeposited Soils: Yes Above EL 7.50
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: Josh AM Duct Bank T Expansion & Drilling for Pile driving - Nothing cultural was observed from Excavation or Drilling tailings.
~4 PM Spoke to Josh About 12/28 Activities - He said only backfill. - Left a message W/ Maureen K.

Richard S. Delivered DPR/JHA to Mike K. ✓

David F. ✓
M. Kick ✓

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Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 12/28/11 Monitor Name: Joseph Belk on site (7-4)

Weather Conditions: AM Clear & Cold slight breeze PM high Clouds, Slight Breeze, Warm
Hours on Site Not Worked and Reason: Ø
Work Location (Project Component): Site in General - Duct Bank S Drilling
Work Type (Machine): Excavator, Drill Rig + Pile Driver - Shovel
Depth of Excavation: ~30' Below Current Surface - Drilling for Piles
Observed Native Soils (Stratigraphy): YES - only in Drilling -
Disturbed/Redeposited Soils: YES - only in Drilling
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 Ex in AM only Drilling for Pile - No cultural material observed in any tailing in Duct Bank - S.
PM: No Ex of any kind by Excavators. @ ~ 3:30 I Spoke to Jason & he stated no Ex will happen for the Rest of the day.
AM 12-29 Excavation to ~ El 8 behind the New Triade of Tanks.

David F. ✓
M. Kick ✓

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

Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 12/29/11 Monitor Name: Joseph Belk (7-4) ON Site

Weather Conditions: AM Cool to Cold Lite fog to Dense, slight Breeze from N. PM
Hours on Site Not Worked and Reason: Ø
Work Location (Project Component): North of New H_2O Tank, Duct Bank-5
Work Type (Machine): Excavator - Shovel - Drill Rig
Depth of Excavation: Drilling ~30' Below Modern Surface / WASTE WATER TRENCH EL 9 NW corner
Observed Native Soils (Stratigraphy): YES - in Drilling Tailings & NW Corner of Site @ ~EL 10xx
Disturbed/Redeposited Soils: YES - in Drilling Tailings & Trenching NW Corner of Site.
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

Photos: of Trench & Native Deposit @ ~ EL 10xx in between New Tank & overflow channel in NW Corner of Site

Notes: AM Jason & Josh - Trenching North of Tank, Early AM Subex to EL 13.6 Max depth 9'
PM Trenching in NW Corner (called "Waste Water" Trench) @ ~EL 10 Native Silt Clay was observed in between New Tanks & overflow catch Basin along Northern Boundary.
Civil Shut down @ 3:30 - I Finished Paper work till 4PM
Josh - Trenching in NW Corner will cont in the AM 12/30

David F.
M. Kick ✓

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

Cultural Resources Monitoring Log, Marsh Landing Generating Station

Date: 12/30/2011 Monitor Name: Joseph Belk on site (7-)

Weather Conditions: AM Cool, clear, high clouds, slight Breeze from E
Hours on Site Not Worked and Reason: Ø
Work Location (Project Component): Duct Bank-S; Storm Water Trench NW Corner Near Tanks
Work Type (Machine): Excavator - Shovel
Depth of Excavation: Max EL 9e; Drilling ~40'
Observed Native Soils (Stratigraphy): Nothing NEW today
Disturbed/Redeposited Soils: YES - Drilling, NW Storm Water 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

AM
Notes: Larry & Jason say only Expected Ex is in Storm Water Trench.
Storm Water Trench only deep Trenching today. Further this slopes up from EL 9e to ~ EL 8e.
No Native soil observed. Drilling Continues for Piles in Duct Bank-S. The Tailings have
Not Produced Any Cultural Evidance through out Duct Bank-S.

PM
- On Tuesday
No Cultural Evidance Observed in Storm Trench or Duct Bank-S

David F.
M. Kick ✓

Attachment B

Department of Parks and Recreation 523 Forms
December 2011
Marsh Landing Generating Station

State of California — The Resources Agency **Primary #**
DEPARTMENT OF PARKS AND RECREATION **HRI #**
PRIMARY RECORD
Trinomial
NRHP Status Code
Other Listings
Review Code **Reviewer** **Date**

 ***Resource Name or #:** MLGS-4

P1. Other Identifier: None
***P2. Location:** ☒ **Not for Publication** ☐ **Unrestricted** ***a. County:** Contra Costa
and (P2b and P2c or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad:** Antioch North **Date:** 2009 **T** 2N ; **R** 2E ; NW ¼ **of** NW ¼ **of Sec** 16 **;** M.D. **B.M.**
c. Address: 2226 Wilbur Ave, Antioch, CA City: Antioch Zip: 94509
d. UTM: Zone: 10; 608513E mE/ 4208423 mN (estimated)
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate) Elevation:
From CA HWY 4, exit Wilbur Ave. Proceed west approximately ¾ mile to Contra Costa Power Plant / Marsh Landing Generating Station Main Entrance, which is before the railroad tracks. Turn right at this road. Proceed to gate.

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

Ceramic sherds and unidentified piece of corroded metal were recovered from a pocket of intact dune deposits, approximately 2.5 feet below the current ground surface. A total of 8 ceramic sherds were recovered, including two rim sherds and six body sherds. The sherds refit into three fragments representing one vessel, including approximately ½ of the vessel rim. The vessel is a salt-glazed stoneware jug or crock. The vessel is internally and externally glazed. The interior has a dark brown slip glaze (such as Albany slip) and the exterior is salt glazed. The crock has a four-inch diameter opening. There is a simple, banded, incised design on the shoulder of the vessel; no other decoration or marks are present. This type of vessel is utilitarian in nature, and was likely used for food storage. Stoneware of this type has been continually manufactured in the United States from at least the 18th century to the present, however, this particular vessel likely dates to the late 19th or very early 20th century when this type of vessel would have been in most frequent use in this region of California. Based upon the assumed date range for this deposit, it is possible that the materials recovered may relate to Marsh's Landing, John Marsh's wharf facility that was in operation just north of the project site during the 1850s and 1860s. This commercial operation shipped cattle, produce and other goods to San Francisco and consisted of a wharf, warehouse, a smokehouse and a blacksmith shop.

The artifacts are not diagnostic or exceptional and do not appear to be eligible for listing in the California Register of Historical Resources.

***P3b. Resource Attributes:** (List attributes and codes) AH16 Other. Isolated artifact.
***P4. Resources Present:** ☐Building ☐Structure ☐Object ☐Site ☐District ☐Element of District ☒Other (Isolates, etc.)

P5b. Description of Photo: Exterior (upper) and interior (lower) of rim sherds.

***P6. Date Constructed/Age and Sources:** ☒Historic: c. 1880-1920

***P7. Owner and Address:**
GenOn
3201 Wilbur Ave.
Antioch, CA 94509

***P8. Recorded by:**
Maureen Kick, MA, RPA
URS Corporation
1333 Broadway Avenue, Suite 800
Oakland, CA 94612

***P9. Date Recorded:** 12/10/2011

***P10. Survey Type:** (Describe)
Construction Monitoring

***P11. Report Citation:** None
***Attachments:** ☐NONE
☒Location Map ☐Sketch Map ☐ Continuation Sheet ☐Building, Structure, and Object Record
☐Archaeological Record ☐District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record
☐Artifact Record ☐Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

Page 2 **of** 2 ***Resource Name or #:** MLGS-04

***Map Name(s):** Antioch North ***Scale:** 1:24,000 ***Date of Map:** 2009

 ***Required Information**

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 : December 12, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 4

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-4-7.0 (CBO-0457)
No Comments

ELEC-1-4.2 (CBO-0469)
No Comments

ELEC-1-14.0 (CBO-0467)
Approved

ELEC-1-21.0 (CBO-0468)
Reviewed for Reference Only

Deborah Sandercock, S.E.
Supervising Structural Engineer

Marie Taylor FOR
Marie Taylor
Supervising Building Inspector

Gary Faria
Senior Grading Inspector

Marsh Landing - CBO Transmittal Report

Title ELEC-1-14.0 **CBO-0467** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-EG-340 rev1	11/28/11	Electrical Grounding Layout GSU 4 and Switchyard Area	MT	12/8/2011	12/12/2011	Approved
Drawing	2009-019-EG-330 rev1	11/28/11	Electrical Grounding Layout Auxiliary Transformers, GSU 3 and Switchyard Area	MT	12/8/2011	12/12/2011	Approved
Drawing	2009-019-EG-320 rev1	11/28/11	Electrical Grounding Layout GSU 1 and 2 and Switchyard Area	MT	12/8/2011	12/12/2011	Approved

Title ELEC-1-21.0 **CBO-0468** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Docs	5kV Circuit Schedule		Marsh Landing 5kV Circuit Schedule	MT		12/12/2011	Reviewed for Reference Only

Title ELEC-1-4.2 **CBO-0469** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-EG-903 revA		Electrical Switchyard Equipment Grounding Details	MT		12/12/2011	Returned No Comments

Title TSE-4-7.0 **CBO-0457** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-PDS-003 Rev. A		Switchyard One-Line Diagram Trip Table	MT		12/12/2011	Returned No Comments

Drawing	2009-019-PDS-002 Rev. B	Switchyard One-Line Diagram Units 3 and 4 - 230KV Switchyard and Transmission	MT	12/12/2011	Returned No Comments
Drawing	2009-019-PDS-001 Rev. B	Switchyard One-Line Diagram Units 1 and 2 - 230KV Switchyard and Transmission	MT	12/12/2011	Returned No 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 : December 7, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 3

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

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

ELEC-1-6.0 (CBO-0432)
Approved w/ Fire Approval

MECH-1-34.0 (CBO-0460)
CBO: Reviewed for Reference Only
Fire: Approved

MECH-1-50.0 (CBO-0461)
Approved w/ Fire Approval

Deborah Sandercock, S.E.
Supervising Structural Engineer

Marie Taylor For
Marie Taylor
Supervising Building Inspector

Gary Faria
Senior Grading Inspector

Marsh Landing - CBO Transmittal Report

Title ELEC-1-6.0 **CBO-0432** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-EA-001 rev1	11/11/11	Electrical Hazardous Area Classification - Overall Plan	MT	11/16/2011	12/7/2011	Approved w/ Fire Approval

Title MECH-1-34.0 **CBO-0460** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-PS-543 rev0		Piping and Instrumentation Diagram WCF - Water Treatment Chemical Feed	MT		12/7/2011	CBO: Reviewed for Reference Only / Fire: Approved
Drawing	2009-019-PS-542 rev0		Piping and Instrumentation Diagram WCF - Water Treatment Chemical Feed	MT		12/7/2011	CBO: Reviewed for Reference Only / Fire: Approved
Drawing	2009-019-PS-541 rev0		Piping and Instrumentation Diagram WCF - Water Treatment Chemical Feed	MT		12/7/2011	CBO: Reviewed for Reference Only / Fire: Approved
Drawing	2009-019-PS-540 rev0		Piping and Instrumentation Diagram WCF - Water Treatment Chemical Feed	MT		12/7/2011	CBO: Reviewed for Reference Only / Fire: Approved

Title MECH-1-50.0 **CBO-0461** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-YP-0330 rev1	11/15/11	Mechanical Underground Yard Piping	MT	11/28/2011	12/7/2011	Approved w/ Fire Approval
Drawing	2009-019-YP-0340 rev1	11/15/11	Mechanical Underground Yard Piping	MT	11/28/2011	12/7/2011	Approved w/ Fire Approval
Drawing	2009-019-YP-0320 rev1	11/15/11	Mechanical Underground Yard Piping	MT	11/28/2011	12/7/2011	Approved w/ Fire Approval

Drawing	2009-019-YP-0310 rev1	11/15/11	Mechanical Underground Yard Piping	MT	11/28/2011	12/7/2011	Approved w/ Fire Approval

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 : December 30, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 5

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

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

TSE-4-4.0 (CBO-0498)
Reviewed for Reference Only

ELEC-1-9.0 (CBO-0490)
Approved

ELEC-1-17.0 (CBO-0496)
Approved

ELEC-1-17.3 (CBO-0497)
Approved

STRUC-1-33.0 (CBO-0505)
Approved

Deborah Sandercock, S.E.
Supervising Structural Engineer

Marie Taylor FOR
Supervising Building Inspector

Gary Faria
Senior Grading Inspector

Marsh Landing - CBO Transmittal Report

Title ELEC-1-17.0 **CBO-0496** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-ED-330 Rev. 5		Electrical Duct Bank Layout GSU 3 & Switchyard Area	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-010 Rev. 2		Electrical Duct Bank Layout Yard Area	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-020 Rev. 2		Electrical Duct Bank Layout Water Treatment Area	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-030 Rev. 3		Electrical Duct Bank Layout Fuel Gas Compressor Area	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-110 Rev. 3		Electrical Duct Bank Layout Ammonia Storage Area	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-120 Rev. 4		Electrical Duct Bank Layout, Administration & Control Bldgs, Stacks 1 & 2	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-320 Rev. 5		Electrical Duct Bank Layout GSU 1 & 2 & Switchyard Area	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-340 Rev. 5		Electrical Duct Bank Layout GSU 4 & Switchyard Area	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-902 Rev. 2		Electrical Duct Bank Details SFC / SEE Package 01 & 02	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-903 Rev. 2		Electrical Duct Bank Details SFC / SEE Package 03 & 04	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-130 Rev. 4		Electrical Duct Bank Layout Fuel Gas & Stacks 2 & 3 Areas	MT	12/29/2011	12/30/2011	Approved

Title ELEC-1-17.3 **CBO-0497** **File No** 015F

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

Drawing	2009-019-ED-220 Rev. 4	Electrical Duct Bank Layout SCR / CTG 1 & 2 Area	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-230 Rev. 3	Electrical Duct Bank Layout SCR / CTG 2 & 3 Area	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-240 Rev. 3	Electrical Duct Bank Layout SCR / CTG 4 Area	MT	12/29/2011	12/30/2011	Approved

Title ELEC-1-9.0 CBO-0490 File No 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-EC-960A rev3	12/16/11	Electrical Embedded Conduit Layout Typical CTG Conduit Elevation 14'-9"	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-EC-960D rev3	12/16/11	Electrical Embedded Conduit Layout Typical CTG Conduit Elevation 11' - 0", 10' - 4 1/2" and 9' - 9"	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-EC-960C rev3	12/16/11	Electrical Embedded Conduit Layout Typical CTG Conduit Elevation 13'-7"	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-EC-960B rev3	12/16/11	Electrical Embedded Conduit Layout Typical CTG Conduit Elevation 14'-2"	MT	12/29/2011	12/30/2011	Approved

Title STRUC-1-33.0 CBO-0505 File No 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Calcs	910G-06 Rev. 0		Pad Mounted Transformers Calcs	AC	12/30/2011	12/30/2011	Approved
Drawing	2009-019-SF-091 Rev. 1		Pad Mounted Transformers Foundation Plan, Sections & Details	AC	12/30/2011	12/30/2011	Approved

Title TSE-4-4.0 CBO-0498 File No 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Sepcs	Spec. 1066 Rev. 0 (IFC)		Switchyard Structures & Equipment	MT		12/30/2011	Reviewed for Reference Only

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
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

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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
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

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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 MAINTANCE PLAN	MISC													
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						
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				

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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
	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 480V MCC-BOP-001A	DRWG	EO-022	9/28/2011						12/30/2011	12/30/2011				
	ELECTRICAL ONE-LINE DIAGRAM 480V MCC-BOP-001B	DRWG	EO-023	9/28/2011						12/30/2011	12/30/2011				
ELEC-1-13.0	ELECTRICAL GROUNDING LAYOUT - RAW WATER STORAGE AREA	DRWG	EG-010	6/25/2011	6/25/2011					11/15/2011	8/13/2011	8/16/2011		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				

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	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					
	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

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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			
	480V -ISSUE 2	Misc										01/04/11			
ELEC-1-23.0	ELECTRICAL CABLE RACKING LAYOUT - 5KV VAULT		EW-910												
	ELECTRICAL CABLE RACKING LAYOUT - BOP VAULT		EW- 911												
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
MECH-1-5.0	MECHANICAL COMMODITIES	TSpc	600		3/28/2011	3/28/2011			04/05/11	08/24/11	04/25/11	04/25/11			REFERENCE
MECH-1-5.1	WELL WATER PUMPS	Spec	565		4/11/2011	3/30/2011	4/20/2011				05/09/11				REFERENCE
MECH-1-6.0	SMALL BORE FABRICATION ISOMETRIC AQA - AQUEOUS AMMONIA	DRWG	AQA500-1							12/08/11	12/08/11				
	SMALL BORE FABRICATION ISOMETRIC AQA - AQUEOUS AMMONIA	DRWG	AQA501-1							12/08/11	12/08/11				
	SMALL BORE FABRICATION ISOMETRIC AQA - AQUEOUS AMMONIA	DRWG	AQA502-1							12/08/11	12/08/11				
	SMALL BORE FABRICATION ISOMETRIC AQA - AQUEOUS AMMONIA	DRWG	AQA503-1							12/08/11	12/08/11				
	SMALL BORE FABRICATION ISOMETRIC AQA - AQUEOUS AMMONIA	DRWG	AQA504-1							12/08/11	12/08/11				
	SMALL BORE FABRICATION ISOMETRIC AQA - AQUEOUS AMMONIA	DRWG	AQA505-1							12/08/11	12/08/11				
	SMALL BORE FABRICATION ISOMETRIC AQA - AQUEOUS AMMONIA	DRWG	AQA506-1							12/08/11	12/08/11				
	SMALL BORE FABRICATION ISOMETRIC AQA - AQUEOUS AMMONIA	DRWG	AQA507-1							12/08/11	12/08/11				
	SMALL BORE FABRICATION ISOMETRIC AQA - AQUEOUS AMMONIA	DRWG	AQA508-1							12/08/11	12/08/11				
	SMALL BORE FABRICATION ISOMETRIC AQA - AQUEOUS AMMONIA	DRWG	AQA509-1							12/08/11	12/08/11				
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
	LARGE BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	0CTP6017	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	0CTP6018	08/25/11	08/25/11					09/27/11	09/27/11				
	LARGE BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	0CTP6052	08/25/11	08/25/11					09/27/11	09/27/11				
MECH-1-9.0	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	CTP500-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	CTP501-1							12/06/11	12/06/11				

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	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	CTP502-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	CTP503-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	CTP504-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	CTP505-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	CTP506-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	CTP507-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	CTP508-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	CTP509-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	CTP510-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	CTP511-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	CTP512-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	CTP513-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	CTP514-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	CTP515-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	CTP516-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	CTP517-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	CTP518-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	CTP519-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	CTP520-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	CTP521-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	CTP522-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	CTP523-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	CTP524-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	CTP525-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	CTP526-1							12/06/11	12/06/11				
	SMALL BORE FABRICATION ISOMETRIC CTP - COMBUSTION TURBINE PIPING	DRWG	CTP527-1							12/06/11	12/06/11				
MECH-1-10.0	LARGE BORE FABRICATION ISOMETRIC DWS - 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				

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
	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
	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

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	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	0SWT6034-1												
	SMALL BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	0SWT6061-1												
	SMALL BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	DWT500-1							12/20/11	12/20/11				
	SMALL BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	DWT501-1							12/20/11	12/20/11				
	SMALL BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	DWT502-1							12/20/11	12/20/11				
	SMALL BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	DWT503-1							12/20/11	12/20/11				
	SMALL BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	DWT504-1							12/20/11	12/20/11				
	SMALL BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	DWT505-1							12/20/11	12/20/11				
	SMALL BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	DWT506-1							12/20/11	12/20/11				
	SMALL BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	DWT507-1							12/20/11	12/20/11				
	SMALL BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	DWT508-1							12/20/11	12/20/11				
	SMALL BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	DWT509-1							12/20/11	12/20/11				
	SMALL BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	DWT510-1							12/20/11	12/20/11				
	SMALL BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	DWT511-1							12/20/11	12/20/11				
	SMALL BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	DWT512-1							12/20/11	12/20/11				
	SMALL BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	DWT513-1							12/20/11	12/20/11				
	SMALL BORE FABRICATION ISOMETRIC SWT - SERVICE WATER TREATMENT	DRWG	DWT514-1							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				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6002-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6003-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6004-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6006-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6008-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6009-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6010-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6011-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6012-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6013-1	10/13/11	10/13/11					11/15/11	11/15/11				

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	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6014-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6015-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6016-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6020-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6022-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6024-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6025-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6029-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6031-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6032-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6033-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6036-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6038-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6041-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6042-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6043-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6044-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6046-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6048-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6049-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6050-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6051-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6052-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6056-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6057-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6064-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6065-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6067-1	10/13/11	10/13/11					11/15/11	11/15/11				
	LARGE BORE FABRICATION ISOMETRIC FGS - FUEL GAS	DRWG	0FGS6068-1	10/13/11	10/13/11					11/15/11	11/15/11				
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				
	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				

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	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-000	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	DRWG	GA-020	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	DRWG	GA-060	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	DRWG	GA-070	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	DRWG	GA-080	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	DRWG	GA-090	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	DRWG	GA-100	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	DRWG	GA-110	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	DRWG	GA-120	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	DRWG	GA-130	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	DRWG	GA-140	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	DRWG	GA-150	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	DRWG	GA-160	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	DRWG	GA-170	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	DRWG	GA-180	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	DRWG	GA-280	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	DRWG	GA-290	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	DRWG	GA-300	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	DRWG	GA-310	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	DRWG	GA-320	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	DRWG	GA-330	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	DRWG	GA-340	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	DRWG	GA-350	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	DRWG	GA-360	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	DRWG	GA-370	09/24/11	09/24/11					11/05/11	11/05/11				
	GENERAL ARRANGEMENT	DRWG	GA-380	09/24/11	09/24/11					11/05/11	11/05/11				
MECH-1-18.0	LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR	DRWG	0INA6024-1	09/13/11	09/13/11					10/17/11	10/17/11	1/10/2012			
	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			
	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			
	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			
	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			
	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			
	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			
	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			
	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			
	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			
	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			
	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			
	~~LARGE BORE FABRICATION ISOMETRIC INA - INSTRUMENT AIR~~	~~DRWG~~	~~0INA6096-1~~	~~09/13/11~~	~~09/13/11~~					10/17/11	10/17/11				

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	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			
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
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

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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						
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			
	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			
	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			
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			

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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
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	PWS500-1							01/05/12	01/05/12				
	SMALL BORE FABRICATION ISOMETRIC PWS - POTABLE WATER	DRWG	PWS501-1							01/05/12	01/05/12				
MECH-1-42.0	LARGE BORE FABRICATION ISOMETRIC RWS - RAW WATER	DRWG	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	WCF100-1	10/18/11	10/18/11					11/21/11	11/21/11				

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MECH-1-47.0	SMALL BORE FABRICATION ISOMETRIC PDR - PLANT DRAINS	DRWG	WCF500-1	12/29/11	12/29/11					01/20/12	01/20/12				
	SMALL BORE FABRICATION ISOMETRIC PDR - PLANT DRAINS	DRWG	WCF501-1	12/29/11	12/29/11					01/20/12	01/20/12				
	SMALL BORE FABRICATION ISOMETRIC PDR - PLANT DRAINS	DRWG	WCF502-1	12/29/11	12/29/11					01/20/12	01/20/12				
	SMALL BORE FABRICATION ISOMETRIC PDR - PLANT DRAINS	DRWG	WCF503-1	12/29/11	12/29/11					01/20/12	01/20/12				
	SMALL BORE FABRICATION ISOMETRIC PDR - PLANT DRAINS	DRWG	WCF504-1	12/29/11	12/29/11					01/20/12	01/20/12				
	SMALL BORE FABRICATION ISOMETRIC PDR - PLANT DRAINS	DRWG	WCF505-1	12/29/11	12/29/11					01/20/12	01/20/12				
	SMALL BORE FABRICATION ISOMETRIC PDR - PLANT DRAINS	DRWG	WCF506-1	12/29/11	12/29/11					01/20/12	01/20/12				
	SMALL BORE FABRICATION ISOMETRIC PDR - PLANT DRAINS	DRWG	WCF507-1	12/29/11	12/29/11					01/20/12	01/20/12				
	SMALL BORE FABRICATION ISOMETRIC PDR - PLANT DRAINS	DRWG	WCF508-1	12/29/11	12/29/11					01/20/12	01/20/12				
	SMALL BORE FABRICATION ISOMETRIC PDR - PLANT DRAINS	DRWG	WCF509-1	12/29/11	12/29/11					01/20/12	01/20/12				
	SMALL BORE FABRICATION ISOMETRIC PDR - PLANT DRAINS	DRWG	WCF510-1	12/29/11	12/29/11					01/20/12	01/20/12				
	SMALL BORE FABRICATION ISOMETRIC PDR - PLANT DRAINS	DRWG	WCF511-1	12/29/11	12/29/11					01/20/12	01/20/12				
	SMALL BORE FABRICATION ISOMETRIC PDR - PLANT DRAINS	DRWG	WCF512-1	12/29/11	12/29/11					01/20/12	01/20/12				
	SMALL BORE FABRICATION ISOMETRIC PDR - PLANT DRAINS	DRWG	WCF513-1	12/29/11	12/29/11					01/20/12	01/20/12				
	SMALL BORE FABRICATION ISOMETRIC PDR - PLANT DRAINS	DRWG	WCF514-1	12/29/11	12/29/11					01/20/12	01/20/12				
MECH-1-48.0	LARGE BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	DRWG	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
	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	OWDR6008-1	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~~	~~OWDR6012-1~~	~~11/08/11~~	~~11/08/11~~					~~12/12/11~~	~~12/12/11~~				
	LARGE BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	DRWG	OWDR6013-1	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													
	SMALL BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	DRWG													
	SMALL BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	DRWG													
	SMALL BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	DRWG													
	SMALL BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	DRWG													
	SMALL BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	DRWG													
	SMALL BORE FABRICATION ISOMETRIC WDR - WASTEWATER DRAINS	DRWG													
~~**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		11/7/2011	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		11/7/2011	11/16/2011
	MECHANICAL UNDERGROUND YARD PIPING	DRWG	YP-0210			7/6/2011			7/25/2011			8/16/2011		11/7/2011	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		10/31/2011	11/10/2011
	MECHANICAL UNDERGROUND YARD PIPING	DRWG	YP-0240			7/6/2011			7/25/2011			8/16/2011		11/7/2011	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		11/23/2011	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		11/23/2011	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		11/23/2011	12/7/2011

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	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		11/23/2011	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			9/2/2011
	MECHANICAL UNDERGROUND YARD PIPING	DRWG	YP-0510			7/6/2011			7/25/2011			8/16/2011			9/2/2011
	MECHANICAL UNDERGROUND YARD PIPING	DRWG	YP-0520			7/6/2011			7/25/2011			8/16/2011			9/2/2011
	MECHANICAL UNDERGROUND YARD PIPING	DRWG	YP-0040	07/27/11	04/11/11					09/07/11	05/09/11	8/16/2011			9/2/2011
MECH-1-51.0	MECHANICAL UNDERGROUND YARD PIPING	DRWG	YP-0130	07/27/11	04/11/11	4/12/2011	5/5/2011			09/07/11	05/09/11	5/12/2011		11/7/2011	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		8/16/2011	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		11/7/2011	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
	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		

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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
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	
	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	
	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	
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

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	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			
	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			
	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												

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	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 SECTIONS	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
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			10/17/11
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

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
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**~~	~~RO PERMEATE TANK FOUNDATION PILING~~	~~CALC~~		~~6/3/2011~~	~~6/3/2011~~					~~7/13/2011~~	~~7/13/2011~~				
	~~RO PERMEATE TANK FOUNDATION PILING PLAN~~	~~DRWG~~	~~SF-039~~	~~6/3/2011~~	~~6/3/2011~~					~~7/13/2011~~	~~7/13/2011~~				
STRUC-1-22.0	RO PERMEATE AND WASTE WATER TANK FOUNDATION	CALC	910Q-02	6/3/2011	6/3/2011	04/25/11	05/13/11			7/13/2011	7/13/2011	5/20/2011			06/02/11
	RO PERMEATE TANK FOUNDATION PLAN, SECTIONS AND DETAILS	DRWG	SF-040	6/9/2011	6/9/2011	04/25/11	05/13/11			7/13/2011	7/13/2011	5/20/2011			06/02/11
	WASTE WATER STORAGE TANK FOUNDATION PLAN, SECTIONS AND DETAILS	DRWG	SF-037	6/15/2011	6/15/2011	04/25/11	05/13/11			7/20/2011	7/20/2011	5/20/2011			06/02/11
	ANCHOR BOLT LAYOUT- RO PERMEATE STORAGE TANK	DRWG	AB-ROPT									5/20/2011			06/02/11
	ANCHOR BOLT LAYOUT- WASTE WATER STORAGE TANK	DRWG	AB-WWT									5/20/2011			06/02/11
	RO PERMEATE STORAGE TANK	CALC	02187-002									5/20/2011			06/02/11
	WASTE WATER TANK	CALC	02187-003									5/20/2011			06/02/11
~~**STRUC-1-23.0**~~	~~CT EVAP COOLER MAKE UP PUMPS FOUNDATION~~	~~CALC~~		~~9/20/2011~~	~~9/20/2011~~					~~10/25/2011~~	~~10/25/2011~~				
	~~CT EVAP COOLER MAKE UP PUMPS FOUNDATION PLAN, SECTIONS AND DETAILS~~	~~DRWG~~	~~SF-041~~	~~9/20/2011~~	~~9/20/2011~~					~~10/25/2011~~	~~10/25/2011~~				
STRUC-1-24.0	CTG & AIR INLET FOUNDATION PILING	CALC	910A-01	4/29/2011	4/29/2011					6/4/2011	6/4/2011	5/9/2011	5/31/2011	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-1-24.1															
	01297 TAB 3	DRWG	201-CA-0034			05/09/11			REF						
	01297 TAB 3	DRWG	201-CA-0035			05/09/11			REF						
	01297 TAB 5	DRWG	201-CA-0035			05/09/11			REF						
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

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
GENERATOR ENCLOSURE	EXCITHOUSECALC-SIGNED	CALC	201-CA-0014			05/09/11			REF			11/9/2011			01/09/12
	US1033-VB00-MKA-2005500101	V DRWG	201-FN-0011			05/09/11			REF						
	US1033-VB00-MKA-2005500201	V DRWG	201-FN-0011			05/09/11			REF						
	US1033-VB00-MKA-2005500301	V DRWG	201-FN-0011			05/09/11			REF						
	US1033-VB00-MKA-2005500401	V DRWG	201-FN-0011			05/09/11			REF						
	ANCHOR BOLT LAYOUT PULSE FILTER	V DRWG	7537-S01 -SIGNED									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-2005900102	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												
	ZDX559-XB00-MBP-0000080102	DRWG	201-FN-0024			05/09/11			REF						
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			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			
	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			
ELECTRICAL PACKAGE	US1033-XB00-MB-2005900202	DRWG	201-FN-0009			05/09/11			REF			12/12/2011			
	11100230 CALCULATIONS	DRWG	201-CA-0010			05/09/11	05/24/11					12/12/2011			
	11100230-100 REV1 STAMPED	DRWG	201-EP-0002			05/09/11			REF			12/12/2011			
	11100229-200 REV1 STAMPED	DRWG	201-FN-0002			05/09/11			REF			12/12/2011			
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								

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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						
ROTOR AIR COOLER PIPE SUPPT	SEI US1033-XL00-MB-201300		201-SP-0030(4.0.16)												
	01297 TAB 7	VDRWG	201-CA-0036-001			05/09/11			REF						
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)												
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												

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NORTH AND SOUTH EXCITER PLATFORM															
STRUC-1-24.33	STURCTURAL ANALYSIS FOR TURBINE PIPE RACK	V CALC	201-RE-0031-001									12/21/2011			
TURBINE PIPE RACK	SEI 501F-331-105	DRWG	201-RE-0031			05/09/11	05/27/11								
		VDRWG	ZDX559-VN03-UMX-000020									12/21/2011			
	RESPONSE TO THE CBO COMMENTS FOR TURBINE PIPE RACK	V DOC										12/21/2011			
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	12/9/2011	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		
	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		
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
	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
	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
	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
	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
	I.P.B. Structural Steel Details	V Dwg	7250-11-LZ			09/19/11	09/30/11					11/23/2011			12/14/11
	I.P.B. Structural Steel Plan	V Dwg	7250-21-LP			09/19/11	09/30/11					11/23/2011			12/14/11
	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
	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
	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
	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
	Structural CALCulations Bus Duct Supports	V Dwg	842A-CA-0001			09/19/11	09/30/11					11/23/2011			12/14/11
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

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	BALANCE OF PLAND ELECTRICAL ENCLOSURE FOUNDATION SECTIONS AND DETAILS	DRWG	SF-079A									10/21/2011	11/14/2011	11/23/2011	12/07/11
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	11/23/2011	1/6/2012	
	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	11/23/2011	1/6/2012	
	ADMIN CONTROL BUILDING FOUNDATION PLAN	V DRWG	990-FN-0001-001									1/6/2012			
	ADMIN CONTROL BUILDING STRUCUTRAL DETAILS	V DRWG	990-ST-0002-001									1/6/2012			
STRUC-1-48.1	Generating Station Administration/Controls Building	V DRWG	990-GA-001-001										11/23/2011	1/6/2012	

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	11-17660 CALC PACKAGE - STRUCTURAL DESIGN DATA	V CALC	990-CA-0005-001									1/6/2012			
	OWNER COMMENTS ON CALC PACKAGE		990-RE-0017-001									1/6/2012			
	OWNER COMMENTS ON PERMIT DRAWINGS		990-RE-0018-001									1/6/2012			
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			
	SITE PLAN	V DRWG	990-GA-0004-001									1/6/2012			
	ARCH ACCESSIBILITY STANDARDS	V DRWG	990-AR-0001-001									1/6/2012			
	ARCH FLOOR PLAN	V DRWG	990-AR-0002-001									1/6/2012			
	ARCH BATHROOMS ENLARGED PLAN	V DRWG	990-AR-0003-001									1/6/2012			
	TOILET ROOM INTERIOR ELEVATIONS	V DRWG	990-AR-0004-001									1/6/2012			
	ARCH REFLECTED CEILING PLAN	V DRWG	990-AR-0005-001									1/6/2012			
	ARCH EXTERIOR ELEVATIONS	V DRWG	990-AR-0006-001									1/6/2012			
	ARCH BUILDING SECTION	V DRWG	990-AR-0007-001									1/6/2012			
	ARCH BUILDING SECTION	V DRWG	990-AR-0020-001									1/6/2012			
	ARCH ROOF PLAN	V DRWG	990-AR-0034-001									1/6/2012			
	EXIT-EGRESS PLAN ADMIN-CONTROL BUILDING	V DRWG	990-AR-0038-001									1/6/2012			
	ARCH INTERIOR DETAILS	V DRWG	990-AR-0042-001									1/6/2012			
	ARCH DOOR SCHEDULE AND WINDOW SCHEDULE	V DRWG	990-SH-0001-001									1/6/2012			
	ARCH FINISH SCHEDULE	V DRWG	990-SH-002-001									1/6/2012			
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		
	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		
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~~				

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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	SF-100	10/29/2011	10/29/2011					11/15/2011	11/15/2011				
STRUC-1-57.0	PORTABLE COMBUSTION TURBINE WASH SKID FOUNDATION	CALC		10/29/2011	10/29/2011					12/15/2011	12/15/2011				
	PORTABLE COMBUSTION TURBINE WASH SKID FOUNDATION PLAN	DRWG	SF-072	10/29/2011	10/29/2011					11/15/2011	11/15/2011				
STRUC-1-58.0	FM200 FIRE PROTECTION SKID FOUNDATION	CALC		11/17/2011	11/17/2011					12/22/2011	12/22/2011				
	FM200 FIRE PROTECTION SKID FOUNDATION PLAN, SECTIONS AND DETAILS	DRWG	SF-050	11/17/2011	11/17/2011					12/22/2011	12/22/2011				
STRUC-1-59.0	SCR & STACK FOUNDATION	CALC	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		12/9/2011	12/12/11
	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	11/23/11	01/03/12	12/30/11
	STRUCTURAL DESIGN DATA		11-17698 (192751)			07/21/11	09/01/11				09/15/11	10/24/11	11/23/11	01/06/12	
	VP BUILDINGS PACKAGE		11-17698 (192750)			07/21/11	09/01/11				09/15/11	10/24/11	11/23/11	01/06/12	
	REVISED TEMP WAREHOUSE LETTER											01/06/12			
	CW REACTIONS											01/06/12			
STRUC-1-71.0	CONSTRUCTION MAINTENANCE BUILDING SLAB	CALC	990H-02			03/04/11									3/25/11/

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	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
STRUC-1-75.0	GEN PULSE SKID FOUNDATION	CALC	910R-10			11/10/11			11/30/11						
	MISCELLANEOUS EQUIPMENT FOUNDATION PLANS, SECTIONS, AND DETAILS	DRWG	SF-029			11/10/11			11/30/11						
STRUC-1-80.0	STRUCTURAL DESIGN CRITERIA	Misc.	SDC-001			03/04/11	03/25/11	03/29/11	03/29/11			08/19/11			08/29/11
TSE-1															
TSE-1-1.0	Master Lists			3/15/2011											
	SWITCHYARD EQUIPMENT & MATERIAL LIST		PD01												
	KPE TSE Master Drawing List											01/05/11			
	TSE Specification and Drawing List											01/05/11			
	TSE-1-1.0 Submittal List Schedule											01/05/11			
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									
	SWITCHYARD LIGHTING PANEL DIAGRAM	DRWG	PDS-032			12/05/11									
	SWITCHYARD LIGHTING PANEL DIAGRAM	DRWG	PDS-033			12/05/11									
	PANEL LOAD CALCULATION	CALC	1011F			12/05/11									
TSE-4-9.0	Switchyard Three-Line Diagram	DRWG	PDS-010	10/28/2011	10/28/2011					1/12/2012	1/12/2012				

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
	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								
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	12/09/11
	TRANSMISSION STRUCTURES	V CALC	1066-CA-0001-001			09/29/11	10/24/11					11/15/11	11/28/11	01/06/12	
	ASCE 48 ANCHOR BOLT											01/06/12			
	ASCE 48 BASE PLATE											01/06/12			
	ASCE 113											01/06/12			
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			
	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			
	230KV 3-PH HIGH BUS SUPPORT STRUCTURE ITEM 16 - STEEL DETAILS	VDRWG	S11-152-03			11/10/11			11/28/11			01/06/12			
	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			
	230KV 3-PH LOW BUS SUPPORT STRUCTURE ITEM 19 - STEEL DETAILS	VDRWG	S11-152-05			11/10/11			11/28/11			01/06/12			
	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			
	230KV 3-PH METERING CPT STAND ITEM 22 - STEEL DETAILS	VDRWG	S11-152-07			11/10/11			11/28/11			01/06/12			
	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			
	230KV 3-PH CVT/HIGH BUS SUPPORT STRUCTURE ITEM 14 - ERECTION	VDRWG	S11-152-E2			11/10/11			11/28/11			01/06/12			
	230KV 3-PH HIGH BUS SUPPORT STRUCTURE ITEM 16 - ERECTION	VDRWG	S11-152-E3			11/10/11			11/28/11			01/06/12			
	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			
	230KV 3-PH LOW BUS SUPPORT STRUCTURE ITEM 19 - ERECTION	VDRWG	S11-152-E5			11/10/11			11/28/11			01/06/12			
	230KV 3-PH METERING CPT STAND ITEM 22 -ERECTION	VDRWG	S11-152-E6			11/10/11			11/28/11			01/06/12			
TSE-5-3.3	TRANSMISSION STRUCUTRE DRAWINGS	VDRWG	ST-0001-001									11/15/11		01/06/12	
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						

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
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				
	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			
	SWITCHYARD ELECTRICAL BUILDING FOUNDATION	DRWG	PDS-735			11/18/11			11/28/11			01/11/12			
TSE-5-10.1	SWITCHYARD ELECTRICAL BUILDING VENDOR DOCUMENTS					11/03/11		11/04/11							11/21/11
TSE-5-11.0															
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

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
Comments															
Submitted															
Approved															
Fire Marshall Review															

2.15 GEN-3

Copy of CBO Payment Made for the Month of December 2011

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.
		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
*								0.00	USD				
** Account 216950								0.00	USD				

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 : December 16, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 1

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

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

GEN-5-1.0 (CBO-0489)
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 GEN-5-1.0 **CBO-0489** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Resume	SE4RESUME		Reid Strain Structural Engineer Resume	DS	12/15/2011	12/16/2011	Approved

Subsection 2.20(GEN-8)

As of 12-31-2011

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 : December 14, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 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.

MECH-1-16.0 (CBO-0377)
Approved by Fire Only

MECH-1-33.0 (CBO-0376)
Approved by Fire Only

Deborah Sandercock, S.E.
Supervising Structural Engineer

Marie Taylor
Supervising Building Inspector

Gary Faria
Senior Grading Inspector

Marsh Landing - CBO Transmittal Report

Title MECH-1-16.0 **CBO-0377** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-0FPS6002-1 rev0		Large Bore Fabrication Isometric Fire Protection	RM	12/4/2011	12/14/2011	Approved (only needs fire approval)
Drawing	2009-019-0FPS6001-1 rev0		Large Bore Fabrication Isometric Fire Protection	RM	12/4/2011	12/14/2011	Approved (only needs fire approval)

Title MECH-1-33.0 **CBO-0376** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-PS-470 rev0		Piping and Instrumentation Diagram FPS - Fire Protection	RM	12/7/2011	12/14/2011	Approved (only needs fire approval)

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 : December 7, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 3

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

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

ELEC-1-6.0 (CBO-0432)
Approved w/ Fire Approval

MECH-1-34.0 (CBO-0460)
CBO: Reviewed for Reference Only
Fire: Approved

MECH-1-50.0 (CBO-0461)
Approved w/ Fire Approval

Deborah Sandercock, S.E.
Supervising Structural Engineer

Marie Taylor For
Marie Taylor
Supervising Building Inspector

Gary Faria
Senior Grading Inspector

Marsh Landing - CBO Transmittal Report

Title ELEC-1-6.0 **CBO-0432** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-EA-001 rev1	11/11/11	Electrical Hazardous Area Classification - Overall Plan	MT	11/16/2011	12/7/2011	Approved w/ Fire Approval

Title MECH-1-34.0 **CBO-0460** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-PS-543 rev0		Piping and Instrumentation Diagram WCF - Water Treatment Chemical Feed	MT		12/7/2011	CBO: Reviewed for Reference Only / Fire: Approved
Drawing	2009-019-PS-542 rev0		Piping and Instrumentation Diagram WCF - Water Treatment Chemical Feed	MT		12/7/2011	CBO: Reviewed for Reference Only / Fire: Approved
Drawing	2009-019-PS-541 rev0		Piping and Instrumentation Diagram WCF - Water Treatment Chemical Feed	MT		12/7/2011	CBO: Reviewed for Reference Only / Fire: Approved
Drawing	2009-019-PS-540 rev0		Piping and Instrumentation Diagram WCF - Water Treatment Chemical Feed	MT		12/7/2011	CBO: Reviewed for Reference Only / Fire: Approved

Title MECH-1-50.0 **CBO-0461** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-YP-0330 rev1	11/15/11	Mechanical Underground Yard Piping	MT	11/28/2011	12/7/2011	Approved w/ Fire Approval
Drawing	2009-019-YP-0340 rev1	11/15/11	Mechanical Underground Yard Piping	MT	11/28/2011	12/7/2011	Approved w/ Fire Approval
Drawing	2009-019-YP-0320 rev1	11/15/11	Mechanical Underground Yard Piping	MT	11/28/2011	12/7/2011	Approved w/ Fire Approval

Drawing	2009-019-YP-0310 rev1	11/15/11	Mechanical Underground Yard Piping	MT	11/28/2011	12/7/2011	Approved w/ Fire Approval

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 : December 14, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 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.

MECH-1-32.0 (CBO-0475)
Reviewed for Reference Only

MECH-1-28.0 (CBO-0459)
Reviewed for Reference Only

Deborah Sandercock, S.E.
Supervising Structural Engineer

JRitchie FOR
Marie Taylor
Supervising Building Inspector

Gary Faria
Senior Grading Inspector

Marsh Landing - CBO Transmittal Report

Title	MECH-1-28.0	CBO-0459	File No	015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-PS-360 Rev. 0		Piping and Instrumentation Diagram RWS - Raw Water	MT		12/14/2011	Reviewed for Reference Only

Title	MECH-1-32.0	CBO-0475	File No	015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-PS-410 Rev. 0		Piping & Instrumentation Diagram DWS - Demineralized Water	MT		12/14/2011	Reviewed for Reference Only

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 : December 30, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 3

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

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

STRUC-1-43.0 (CBO-0446)
Approved w/ Fire Approval

STRUC-1-70.1 (CBO-0500)
Approved w/ Fire Approval

MECH-1-37.0 (CBO-0493)
CBO: Reviewed for Reference Only
Fire: 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 MECH-1-37.0 **CBO-0493** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-PS-781 Rev. 0		Piping & Instrumentation Diagram AQA - Aqueous Ammonia	MT		12/30/2011	CBO: Reviewed for Reference Only / Fire: Approved
Drawing	2009-019-PS-780 Rev. 0		Piping & Instrumentation Diagram AQA - Aqueous Ammonia	MT		12/30/2011	CBO: Reviewed for Reference Only / Fire: Approved

Title STRUC-1-43.0 **CBO-0446** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-SF-085A rev0		CTG Step-Up Transformer Unit #3 and UAT Transformers Foundation Sections and Details	RS	12/20/2011	12/30/2011	Approved w/ Fire Approval
Drawing	2009-019-SF-085 rev0		CTG Step-Up Transformer Unit #3 and UAT Transformers Foundation Plan, Sections and Details	RS	12/20/2011	12/30/2011	Approved w/ Fire Approval

Title STRUC-1-70.1 **CBO-0500** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Calcs	911D-01 Rev 2		Construction Warehouse Foundation Calc	RS	12/23/2011	12/30/2011	Approved w/ Fire Approval
Drawing	2009-019-SF-120 rev1.	11/14/11	Construction Warehouse Foundation Plan, Sections and Details	RS	12/23/2011	12/30/2011	Approved w/ Fire Approval

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 : December 14, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 4

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-1-10.0 (CBO-0479)
Approved

MECH-1-48.0 (CBO-0482)
Approved

MECH-1-42.0 (CBO-0472)
Approved

MECH-1-8.0 (CBO-0476)
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 MECH-1-42.0 **CBO-0472** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-0RWS6013-1 rev0		Large Bore Fabrication Isometrics RWS - Raw Water	MT	12/14/2011	12/14/2011	Approved
Drawing	2009-019-0RWS6012-1 rev0		Large Bore Fabrication Isometrics RWS - Raw Water	MT	12/14/2011	12/14/2011	Approved
Drawing	2009-019-0RWS6011-1 rev0		Large Bore Fabrication Isometrics RWS - Raw Water	MT	12/14/2011	12/14/2011	Approved
Drawing	2009-019-0RWS6015-1 rev0		Large Bore Fabrication Isometrics RWS - Raw Water	MT	12/14/2011	12/14/2011	Approved

Title MECH-1-48.0 **CBO-0482** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-0WDR6010-1 Rev. 0		Large Bore Fabrication Isometric WDR - Waste Drains	MT	12/14/2011	12/14/2011	Approved
Drawing	2009-019-0WDR6002-1 Rev. 0		Large Bore Fabrication Isometric WDR - Waste Drains	MT	12/14/2011	12/14/2011	Approved
Drawing	2009-019-0WDR6003-1 Rev. 0		Large Bore Fabrication Isometric WDR - Waste Drains	MT	12/14/2011	12/14/2011	Approved
Drawing	2009-019-0WDR6008-1 Rev. 0		Large Bore Fabrication Isometric WDR - Waste Drains	MT	12/14/2011	12/14/2011	Approved
Drawing	2009-019-0WDR6011-1 Rev. 0		Large Bore Fabrication Isometric WDR - Waste Drains	MT	12/14/2011	12/14/2011	Approved
Drawing	2009-019-0WDR6013-1 Rev. 0		Large Bore Fabrication Isometric WDR - Waste Drains	MT	12/14/2011	12/14/2011	Approved
Drawing	2009-019-0WDR6021-1 Rev. 0		Large Bore Fabrication Isometric WDR - Waste Drains	MT	12/14/2011	12/14/2011	Approved

Drawing	2009-019-0WDR6024-1 Rev. 0	Large Bore Fabrication Isometric WDR - Waste Drains	MT	12/14/2011	12/14/2011	Approved
Drawing	2009-019-0WDR6027-1 Rev. 0	Large Bore Fabrication Isometric WDR - Waste Drains	MT	12/14/2011	12/14/2011	Approved
Drawing	2009-019-0WDR6029-1 Rev. 0	Large Bore Fabrication Isometric WDR - Waste Drains	MT	12/14/2011	12/14/2011	Approved
Drawing	2009-019-0WDR6031-1 Rev. 0	Large Bore Fabrication Isometric WDR - Waste Drains	MT	12/14/2011	12/14/2011	Approved
Drawing	2009-019-0WDR6017-1 Rev. 0	Large Bore Fabrication Isometric WDR - Waste Drains	MT	12/14/2011	12/14/2011	Approved
Drawing	2009-019-0WDR6004-1 Rev. 0	Large Bore Fabrication Isometric WDR - Waste Drains	MT	12/14/2011	12/14/2011	Approved

Title **MECH-1-8.0** **CBO-0476** **File No** **015F**

Document Type	*Dwg No Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Drawing	2009-019-4CTP4014-1 Rev. 0		Large Bore Fabrication Isometric CTP - Combustion Turbine Piping	MT	12/14/2011	12/14/2011	Approved
Drawing	2009-019-0CTP6017-1 Rev. 0		Large Bore Fabrication Isometric CTP - Combustion Turbine Piping	MT	12/14/2011	12/14/2011	Approved
Drawing	2009-019-1CTP1013-1 Rev. 0		Large Bore Fabrication Isometric CTP - Combustion Turbine Piping	MT	12/14/2011	12/14/2011	Approved
Drawing	2009-019-1CTP1014-1 Rev. 0		Large Bore Fabrication Isometric CTP - Combustion Turbine Piping	MT	12/14/2011	12/14/2011	Approved
Drawing	2009-019-2CTP2013-1 Rev. 0		Large Bore Fabrication Isometric CTP - Combustion Turbine Piping	MT	12/14/2011	12/14/2011	Approved
Drawing	2009-019-2CTP2014-1 Rev. 0		Large Bore Fabrication Isometric CTP - Combustion Turbine Piping	MT	12/14/2011	12/14/2011	Approved
Drawing	2009-019-3CTP3013-1 Rev. 0		Large Bore Fabrication Isometric CTP - Combustion Turbine Piping	MT	12/14/2011	12/14/2011	Approved
Drawing	2009-019-4CTP4013-1 Rev. 0		Large Bore Fabrication Isometric CTP - Combustion Turbine Piping	MT	12/14/2011	12/14/2011	Approved

Drawing	2009-019-0CTP6001-1 Rev. 0	Large Bore Fabrication Isometric CTP - Combustion Turbine Piping	MT	12/14/2011	12/14/2011	Approved
Drawing	2009-019-3CTP3014-1 Rev. 0	Large Bore Fabrication Isometric CTP - Combustion Turbine Piping	MT	12/14/2011	12/14/2011	Approved

Subsection 2.23 (PALEONTOLOGICAL 4)

As of 12-31-2011

Worker Environmental Awareness Program Matrix

Date	Numbers
12/31/2011	28
Total	**28**

Trainer: Video Training
Date: 11/15/11 - 12/5/11
Training:
(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]	Ron Perry	Kiewit	11/15/11
2.	[illegible]	Pat DiMichele	Kiewit	11/15/11
3.	Sandy Thomas	Sandy Thomas	Kiewit	11/15/11
4.	[illegible]	Ed Watts	Badger	11/16/11
5.	Jason Bell	Jason Bell	Badger	11/16/11
6.	[illegible]	Mike Foutch	Fremouw	11-21-11
7.	Andre' Westbrook	Andre Westbrook	KIEWIT	11-23-11
8.	Magdaleno Curiel	Magdaleno Curiel	Kiewit	11-23-11
9.	[illegible]	Jesse Childers	Badger	11/28/11
10.	[illegible]	Tom Brown	Kiewit	11/28/11
11.	[illegible]	BRAD THOMAS	F3	11/28/11
12.	Joaquin Viana	Joaquin Viana	P.C.S	11/28/11
13.	Lisa K Halsey Gunther	Lisa Halsey-Gunther	Kiewit	12-2-11
14.	Bryan Wilkins	BRYAN WILKINS	KIEWIT	12-2-11
15.	Richard Gale	Richard A Gale	Kiewit	12/5/11
16.	Christopher Walker	Christopher Walker	Kiewit	12-5-11
17.	Clint T. Delwisch	Clint T. Delwisch	Kiewit	12/5/11
18.	Tori Leland	Tori Leland	Kiewit	12/5/11
19.	[illegible]	John Ehle	Kiewit	12/5/11
20.	Robert Smith	Robert Smith	Kiewit	12-5-11

Trainer:	Video Training
Date:	12/6/11 - 12/9/11
Training:	
	(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.		Damian Mireski	Kiewit	12-6-11
2.		Kyle Pacheco	Kiewit	12/6/11
3.		[illegible]	KIEWIT	12/6/11
4.		Mark Freeman	ALB	12-07-11
5.		[illegible]	Kiewit	12-07-11
6.		Jed Adams	Kiewit	12.07.11
7.		R. J. COSME	Kiewit	12/8/2011
8.		Rusty Self	Kiewit	12-8-11
9.		Curtis D. Richards	Kiewit	12-8-11
10.		Mike Thomas	Kiewit	12-8-11
11.		James J. Gordona	Kiewit	12-08-11
12.		TROY CARIGLIO	KIEWIT	12 8 11
13.		Gerardo Ocampo	PCS	12.9.11
14.		Fabian Panuco	PCS	12.9.11
15.		Robert Tapia	PCS	12/9/11
16.		miguel J. Monclús	PCS	12/9/11
17.		Lionel Vallez	P.C.S.	12-9-11
18.		Andrew Barbee	Kiewit	12-9-11
19.		MARK WILKINSON	KIEWIT	12-09-11
20.		B. Doan	Kiewit	12/9/11

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

December 2011

January 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 December 2011.

Project Description

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

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

Paleontological Resources Monitoring

In accordance with Condition of Certification (COC) 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, excavation, and pile driving of previously undisturbed sediments at Marsh Landing, including collecting and processing of sediment samples for microvertebrate fossils. The monitoring of the augering for the pile driving started as full-time monitoring, but was reduced to two days/week as of August 22, 2011 by agreement of the CPM. The full-time monitoring of augering resumed on August 29, 2011 because of the 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 September 20, 2011 to process samples from only certain pre-selected augering holes. The CPM agreed to this plan on September 22, 2011. Monitoring of the augering reverted to two days/week, and samples were taken only where the fossil producing zone was encountered. Pile driving ceased after November 2, 2011. Processing of sediment samples continued as possible during breaks in the monitoring. Pile driving resumed on December 12, 2011.

Paleontological monitoring of the trenching and excavation for power blocks took place on December 1, 3, 5, 6, 12, 19, and 21, 2011. Trenching in the electrical duct banks occurred on December 2, 10, 15, and 20, 2011. Excavation and potholing along the fire line took place on December 9, 10, 13 and 14, 2011. Excavations for the northern building foundation building occurred on December 7, 8, 22, 27, and 30, 2011. Sediment sample processing took place on December 1, 5, 7, 8, 16, 21, 22, 23, 28, 29, and 30, 2011. Micro-vertebrate fossils were recovered on December 5, 7, 8, 21, 22, and 28, 2011. Fossils from sediment samples collected in October and picked in November were identified. These included 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, December 2011

Date	Monitors	Activities/Observations	Discoveries
12.01.2011	Richard Serrano	Power Block 3	None
12.01.2011	Annette Cornelius	Processing sediment samples	None
12.02.2011	Annette Cornelius	K	None
12.03.2011	Annette Cornelius	Power Block 3	None
12.05. 2011	Richard Serrano	Power Bloc 3	None
12.05.2011	Annette Cornelius	Picking concentrate	Micro vertebrate fossils
12.06.2011	Annette Cornelius	Power Block 3	None
12.07.2011	Richard Serrano	North building foundation area	None

12.07.2011	Annette Cornelius	Picking concentrate	Microvertebrate fossils
12.08.2011	Richard Serrano	North building foundation area	None
12.08.2011	Annette Cornelius	Processing concentrate	Microvertebrate fossils
12.09.2011	Annette Cornelius	Fire line along south border	None
12.10.2011	Annette Cornelius	Fire line, S, T, K	None
12.12.2011	Richard Serrano	Power Block 3	None
12.12.2011	Annette Cornelius	Pile driving	None
12.13.2011	Annette Cornelius	Fire line, pile driving	None
12.14.2011	Annette Cornelius	Fire line, pile driving	None
12.15.2011	Annette Cornelius	CT3-M, pile driving	None
12.16.2011	Annette Cornelius	Processing sediment samples	None
12.16.2011	Richard Serrano	Building foundation area	None
12.19.2011	Richard Serrano	Power Block 4	None
12.20.2011	Annette Cornelius	M, south of 5 kv	None
12.21.2011	Richard Serrano	Power Block 4	None
12.21.2011	Annette Cornelius	Pile driving, processing sediment samples	Possible microvertebrate fossil
12.22.2011	Richard Serrano	Northern building foundation	None
12.22.2011	Annette Cornelius	Processing sediment samples	Possible microvertebrate fossil
12.23.2011	Annette Cornelius	Picked concentrate	Possible microvertebrate fossil
12.23.2011	Richard Serrano	No excavation	None
12.27.2011	Richard Serrano	Northern building foundation	None
12.27.2011	Annette Cornelius	Pile driving, fuel gas compressor	None
12.28.2011	Annette Cornelius	Pile driving, processing of sediment samples	Rodent tooth
12.29.2011	Richard Serrano	Northwest section of project	None
12.29.2011	Annette Cornelius	Pile driving, processing of sediment samples	None
12.30.2011	Richard Serrano	Northern building foundation	None
12.30.2011	Annette Cornelius	Pile driving, processing of sediment samples	None

Conditions/Laws, Ordinances, Regulations and Standards (LORS) Compliance

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

Summary and Conclusions

Paleontological resources monitoring took place between December 1 and December 30, 2011. One monitor was onsite per day on December 2, 3, 6, 9, 10, 13, 14, 15, 19, 20, and 28, 2011. Two monitors were onsite on December 1, 5, 7, 8, 12, 16, 21, 22, 23, 27, 29, and 30, 2011. All ground disturbing activities in previously undisturbed sediments throughout the MLGS project area were monitored. Possible paleontological resources were discovered on six days. Monitoring is ongoing, and will continue full-time during trenching. 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
December 2011
Marsh Landing Generating Station

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

Project Name: Marsh Landing Generating Station

Project Number: Plan 28057852.13000

Project Location: Marsh Landing

County: Contra Costa

Date: DEC 1, 2011

Page 1 of 1

Monitor: Richard Corwin

Total Hrs: 10 Total Mi: 257

Project area monitored: Pit 4 Block 3

Time in: 6:47 AM

Time out: 5:00 PM

Fossils: No fossils were discovered today.

Stratigraphy: (unit/s / bifurcation / channels / beds / bedding / massive / contacts / faults)
No visible in todays excavations.

Lithology: Grain size (F-M/C) Color: Tan Texture: Sorting:
Sed: (mud/s silt/s sand/s lime/s shale conglomerate breccia concretions). Weathering: fast / intense /
Mineralization: calcite / silicon / pyrite / alluvium / lag deposits / N/A

Site conditions & personnel: (non-accessible / hazards / weather / safety concerns / visitors)
Clear, Cool, windy. None

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

Other Observations & Comments: Monitor trenching for Elevat. dust bank K

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 / sandbags / boxes / samples / bags of soil/s

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 1 Dec 2008

Page: 1 of 1

Monitor: Annette Cordova

Total Hrs: 6.5 Total Mi: 160+ 22 to P.O. Box

Project areas monitored: provided samples from SF46 and 75A

Time in: 7:00

Time out: 1:30

Fossils: none observed

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)

high winds

Excavation conditions: (status / equipment / exits / access)

Other Observations & Comments:

Sent SF 19-39; 02 SF 46-07 fossils to Dr. Stewart
20-29; 94

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: 2 Dec. 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 9.5 Total Mi: 160

Time in: 7:00

Time out: 5:00

Project areas monitored: K pit and trenching; backfilling;

Fossils: none observed trenching over installed pipe/utilities to 12ft elevation

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

Sand dune deposits

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

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

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

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

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

Other Observations & Comments: K- pit to 5.0 - 4.9 ft elevation

K trench to 10 ft elev eventually to 8 ft elev.

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: 3 Dec

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 8 Total Mi: 160

Project areas monitored: K trenching; backfilling; trenching

Time in: 7:00

Time out: 3:30

Fossils: none observed. shallow

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

sand dune deposit - no turbidites observed in cuts for the day.

Lithology: *Grain size:* (F / M / C) *Color:* light to some dark 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)

high winds

Excavation conditions: (status / equipment / cuts / access) K trenching down to 6-8 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)

Co ordinates: UTM: E/ N// Lat. N Long. W Elev.

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

UNES DAILY ARCHAEOLOGICAL FIELD REPORT

Project Name: Mirada Landing Cultural Resources

Project Number: [illegible]

Project Location: Mirada Landing

County: Contra Costa

Date: Dec. 5, 2011

Page:

Monitor: [illegible]

Report No.: 8 Total No.: 356

Project area monitored: Paver Block 3.

Time In: 6:50 AM

Time Out: 3:30 PM

Results: No new fossils were discovered today.

Site Description (unit size / stratigraphy / elevation / fossils / features / artifacts / samples / cultural resources / other): No notable changes. Tan and dark brown sands.

Lithology: Grain size (silt / sand / gravel) Color: Tan Texture: Sorting: Soil: (muck / silty / sandy / loam / clay / organic / humic / aeolian). Weathering (fresh / indurated / Mineralization: calcite / siderite / pyrite / sulfur / leg deposits / N/a

Site conditions & processes (non-deposition / hiatus / erosion / cultural / other): Clear until temps. None.

Excavation conditions (stable / unstable / safe / unsafe): Safe and good

Cat 349 excavator

Other Observations & Comments: Monitor excavation for electric duct bank

Ke

Field Number: Field No: Datum: NAD 27 CONUS

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

Approx. age:

Soils:

Locations: (pads / cuts / landmarks)

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

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

Number of: [illegible]

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 5 Dec 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 8 **Total Mi:** Ø

Project areas monitored: Picked sand / screenwash concentrate

Time in:

Time out:

Fossils: SF 75A 19 tooth frag SF 46-09 1 fossil
SF 75A-40 bone frag SF 46-07 incisor

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

Lithology: ~~Grain size:~~ (F / M / C) **Color:** tan to 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 75A 19; 29
SF 46 03; 05; 07; 09; 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: 6 Dec 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 3.5 Total Mi: 160

Project areas monitored: P3; backfilling; potholing along road

Time in: 7:00

Time out: 10:30

Fossils: none observed other excavations to 10 ft elev

4-5 Dec — SF75A-12/51 bone fragments
SF75A-15/29 possible fossils

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults)
sand dune deposit - organic / dk silty layer ≈ 9.5 ft elevation

Lithology: Grain size: (F / M / C) 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)
checked w/ Steve - no native - impact excavations for the rest of the day. Tomorrow start on pit through end of week

Excavation conditions: (status / equipment / cuts / access) trench down to 8.86 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 SHEET

Project Name: Marsh Landing Generating Station

Project Number: PND 28058.52.13000

Project Location: Marsh Landing

County: Contra Costa

Date: Dec. 7, 2011

Page 1 of 1

Monitor: Richard Conway

Total Hrs: 9.5 Total Hrs: 257

Project area monitored: North Building Pad

Time in: 6:48 AM

Time out: 4:30 PM

Remarks: No new fossil discoveries were made today

Stratigraphy: (lithologies / bioturbation / structures / beds / lamination / mottling / contacts / peds)

First dark brn. silty sand impact beds. (fill above this)

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

Sed: (mudst / siltst / sandst / marls / shale / conglomerate / breccia / concretions). Weathering: fast / intermed.

Mineralization: calcite / siliceous / pelecypod / alluvium / lag deposits / N/A

Site conditions & personnel: (non-compliance / hazards / weather / [illegible] / visitors)

Scattered Light Clouds / Sunny / temp in 60's → None

Excavation conditions: (status / equipment) cuts / [illegible] Safe & Good

Cat 349B & 328 Excavators.

Other Observations & Comments: Back fill in morning. Trenching of S Elect duct bank is in fill material.

Monitor excavation for elect duct bank R and Vault.

Field Number: Field ID: Datum: NAD 27 CONUS

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

Approx. age:

Soils:

Locations: (pads / cuts / landmarks)

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

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

Number of specimens / specimens / 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: 7 Dec 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 4 **Total Mi:** Ø

Time in: 12:00

Time out: 4:00

Project areas monitored: picked sand/screen wash concentrate

Fossils: SF75A 12/51 bone fragments
SF75A 29 possible fossil

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

Lithology: ~~Grain size:~~ (F / M / C) **Color:** tan to 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:
SF75A 12; 29; 51

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: Dec. 8, 2011

Page: 1 of 1

Monitor: Richard Serrano

Total Hrs: 10 **Total Mi:** 255

Project areas monitored: North Building Foundation Area.

Time in: 6:50 AM

Time out: 5:00 PM

Fossils: No fossil discoveries were made today.

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults
Fill material over tan fine sands with drk. Brn. Silty sand below. Both contain chert rock.

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)
Sunny, clear and cool.
There were no safety concerns today.

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

Other Observations & Comments:
Monitor continued excavation for elect. Vault at end of duct bank S.

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: 8 Dec. 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 8 Total Mi: 160

Project areas monitored: Screen washing SF75B

Time in: 7:00

Time out: 3:30

Fossils: none observed during screen wash activities

7 Dec - SF46-7; SF75A 40, 19 - bone fragments
SF46-9 - very possible modern nail

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

Sand dune deposit

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)

Other Observations & Comments:

SF75B 06, 21, 33, 47 left screen washed

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: 9 Dec

Page: 1 of 1

Monitor: Annette Cavalier

Total Hrs: 9.5 Total Mi: 160

Project areas monitored: Pipeline along south border, pot holing,

Time in: 7:00

Time out: 5:00

Fossils: none observed pit 5'

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults / mottled)
no bedding observed in trench excavation - some orange clay w/ gravel
5 excavated turbidite c ≈ 8 ft elev; ≈ 2 ft thick dark brown silty sand layer between 6 and 4 ft elevation

Lithology: Grain size: (F / M / C) Color: tan to dk. Texture: _____ Sorting: well to moderate
Seal: (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)
cold in AM warm up a bit during day

Excavation conditions: (status / equipment / cuts / access) trench to 12 ft elev and 49.70 elev; 5 to 0' ft elevation; pot holing to utility pipes

Other Observations & Comments:

tan/brown

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

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

Approx. age:

Soils:

Location: (pads / cuts /landmarks)

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

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

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

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 10 Dec 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 9.5 Total Mi: 160

Project areas monitored: south boundary of project
fire line, S, T, K1

Time in: 7:00

Time out: 5:00

Fossils: none observed

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults
isolated turbidite in fire line
Sand Tarns dark layer @ ± 7.5 ft elevation to ± 4.8 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)
cold - no wind, fog burn off mid morning

Excavation conditions: (status / equipment / cuts / access) fire line to 4 ft elev - water caving shifting of trench, no bedding observed ± 210 ft long; Pit S to 0 ft elevation

Other Observations & Comments: extended north from yesterday
T extending west at 5 to 5.042 ft elevation
Kavia Gulch to 12.1 ft elevation

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: Dec. 12, 2011

Page: 1 of 1

Monitor: Richard Serrano

Total Hrs: 10 **Total Mi:** 257

Project areas monitored:

Power Block 3 (southern section)

Time in: 6:46 AM

Time out: 5:00 PM

Fossils: No new 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)

Some light rain in early morn. Cloudy with wet conditions.

There were no safety concerns today.

Excavation conditions: (status / equipment / cuts / access) Excavations were done using a CAT 318.

Access today was safe and good.

Other Observations & Comments:

Monitor excavations for elcet. Duct bank K.

Spot check excavations for fire line.

Pile driving starts innorth waet section of project 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

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 12 Dec 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 9.5 Total Mi: 160

Project areas monitored: pile driving

Time in: 7:00

Time out: 5:00

Fossils: ~~[illegible]~~ none observed

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

Sand dune deposit

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)

change of schedule for pile driving to 11 Am - 7pm

Excavation conditions: (status / equipment / cuts / access) 7 piles completed ; 4 samples collected on auger block

Other Observations & Comments:

in morning during rig set-up time, took picts of fossils from SP75A and SP 4b and mailed them to Joe Stewart.

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: 13 Dec 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 11.25 Total Mi: 82

Project areas monitored: fire line ; pile driving

Time in: 7:00

Time out: ~~7:00~~ 6:45

Fossils: none observed

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

sand dune deposits -

no bedding observed in fire-line trenching

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) 2300 ft. to a depth of 7.47 ft. elevation

no bedding observed

Other Observations & Comments:

Completed 11 piles

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: 14 Dec 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 11.25 Total Mi: 3

Project areas monitored: fire line; pile driving - agricultural aurora bldg

Time in: 7:00

Time out: 6:45

Fossils: none observed

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

Sand dune deposits - no bedding observed in fire-line trench

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

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)

3:40 walk around site - observed trench that looked deep - confirmed with Josh 19.6 ft elevation. I instructed him I need to be present for sampling under 10 ft.

Excavation conditions: (status / equipment / cuts / access) fire line to 7.47 ft elevation 350 ft of trench

Other Observations & Comments: lots of backfilling, excavations in completed backfill and excavations ~~shallower than~~ in. 10 ft elevation or above. not requiring monitoring per Josh/Steve - @ 11 am to the BCR

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: 15 Dec 2011

Page: 1 of 1

Monitor: Annette Cravalios

Total Hrs: 11.25 Total Mi: 3

Project areas monitored: CT3-M ; pile driving

Time in: 7:00

Time out: 6:45

Fossils: none observed

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

Sand dune deposit

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)

rained overnight, windy

Excavation conditions: (status / equipment / cuts / access) CT3 in trench to 9.6 ft elevation approx 60 ft in length

Other Observations & Comments:

11 piles completed

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

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

Approx. age:

Soils:

Location: (pads / cuts /landmarks)

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

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

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

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 16 Dec 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 4 Total Mi: 83 mi

Project areas monitored: Screen washing

Time in: 8:30

Time out: 12:30

Fossils: none observed

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

Sand dune deposit

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)

Other Observations & Comments:

organized buckets, collected samples from spoils - yesterday drilling

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: Dec. 16, 2011

Page: 1 of 1

Monitor: Richard Serrano

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

Project areas monitored: Building Foundation Area

Time in: 6:50 AM

Time out: 4:00 PM

Fossils: No new fossil discoveries were made today.

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults
Enginerred fill over second drk . Brn. silty fine sand.

Lithology: ***Grain size*** fine ***Color:*** drk. brn. ***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 with some light clouds / cool. There were no safety cocerns today.

Excavation conditions: (status / equipment / cuts / access) Excavation was with a Cat 349 B excavator.
Access was good and safe.

Other Observations & Comments:
Monitor excavation for elect. duct bank T. All other trenching and ground work was within fill material. There was no pile driving today.

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

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: Dec. 19, 2011

Page: 1 of 1

Monitor: Richard Serrano

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

Project areas monitored: Power Block 4 (southern end)

Time in: 6:49AM

Time out: 5:00 PM

Fossils: No new fossil discoveries were made today.

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults
Enginerred fill over second drk . Brn. silty fine sand.

Lithology: ***Grain size*** fine ***Color:*** drk. brn. ***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 and cold.

Excavation conditions: (status / equipment / cuts / access) Equipment used was a 315, 318 and 328 CAT excavators Access was good and safe.

Other Observations & Comments:
All of toady's excavations were in engineered fill and did not reach native soils.
There was no pile driving today.

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

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 20 Dec 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 9 Total Mi: 160

Project areas monitored: M; South of 5KV

Time in: 7:00

Time out: 4:30

Fossils: none observed

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults)
Sand dune deposit no bedding observed in trenches South of 5KV
native impacted / observed in two trenches in Area M
SW trench to 7.55 ft elevation - fill layer w/ gravel and debris between 9.90 and 9.55
below 9.55 dark tan homogenous silty sand with some turbidite observed
southern most trench for the day to 7.39 ft elevation - native observed @ 10 ft elevation
as dark tan homogenous silty sand - no turbidites observed.

Lithology: Grain size: (F / M / C) Color: tan to dk brown Texture: _____ Sorting: poor 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)
cold, dense fog

Excavation conditions: (status / equipment / cuts / access) 5KV - trenches to 6.50 ft elev (≈ 35 ft long) and to 7.78 ft elevation (totaling ≈ 15 ft)

Other Observations & Comments:
Area M 6 trenches: ranging from 7.39 ft elevation to 10.16 ft elevation

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: Dec. 21 , 2011

Page: 1 of 1

Monitor: Richard Serrano

Total Hrs: 10 **Total Mi:** 257

Project areas monitored: Southern section of Power Block 4

Time in: 6:50 AM

Time out: 5:00 PM

Fossils: There were no new fossil discoveries made today.

Stratigraphy: (turbidites / bioturbation / channels / beds / laminations / massive / contacts / faults
Engineered fill over tan fine sands with chert rock and cobble.

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

Site conditions & personnel: (non-compliance / hazards / weather / safety concerns / visitors)
Foggy in morn. then clearing and warming. / There were no safety concerns

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

Other Observations & Comments: Excavations in the morn. were in fill. Monitor excavations for elect. duct banks M. There was no pile driving today.

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

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 4 Dec 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 4 Total Mi: 160

Project areas monitored: pile driving; screenwashing

Time in: 10:30

Time out: 2:30

Fossils: possible fossil SF 75D-43

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

Sand dune deposit

Lithology: ~~Grain size:~~ (F / M / C) Color: tans 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: (stable / equipment / cuts / fatigue)

Other Observations & Comments: found out pile driving will not start again until 27 Dec.

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: 22-Dec-11

Page: 1 of 1

Monitor: Richard Serrano

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

Project areas monitored:

Northern Building Foundation Area

Time in: 6: 50 AM

Time out: 4:00 PM

Fossils: No paleo resources were impacted today.

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

Enginerred fill over native fine tan sands w/ chert rock.

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

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

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

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

Clear, cool and breezy.

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

Excavations were done using CAT excavators 328 and 349B

Other Observations & Comments:

Monitor excavations to complete duct banks M. Later excavations for gas fuel line were in enginerred fill.

There was no pile driving today.

Assisted Annette with transport of 5 gal. matrix 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

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 22 Dec 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 8 Total Mi: 160

Project areas monitored:

Time in: 7:00

Time out: 3:30

Screenwashing

Fossils: one bone (small) possible modern SF75D 16
one blade unknown SF75D 43

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

Sand dune deposit

Lithology: ~~Grain size:~~ Color: tan to dk brown Texture: Sorting: mod-fine

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 / [illegible] / cuts / access)

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: 23 Dec 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 2.5 **Total Mi:**

Project areas monitored: Picked sand / screen wash concentrate

Time in: 10:30

Time out: 12:00

Fossils: SF75B 06; 33 unknown possible fossils

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

Sand dune deposit

Lithology: ~~Grain size:~~ (F / M / C) **Color:** tan to 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 06; 33; 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

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: Dec. 23, 2011

Page: 1 of 1

Monitor: Richard Serrano

Total Hrs: 5 **Total Mi:** 256

Project areas monitored:

There were no monitored excavations today

Time in: 6:50 AM

Time out: 1200 PM

Fossils: There were no fossil discoveries 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)

it was partly cloudy and cold today. There were no safety concerns.

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

Other Observations & Comments:

Excavations for fire line were in fill material and did not reach native ground.

There was no pile driving today.

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

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

_____ **Approx. age:** _____

Soils: _____

Location: (pads / cuts /landmarks) _____

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

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

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

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: Dec. 27 , 2011

Page: 1 of 1

Monitor: Richard Serrano

Total Hrs: 12 **Total Mi:** 257

Project areas monitored:

North Building Foundation Area

Time in: 6:58 AM

Time out: 7:30 PM

Fossils: No fossils discoveries were made today.

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

Back fill over tan sands with underlying drk. brn. silty fine sands.

Lithology: ***Grain size:*** (F / M / C) ***Color:*** tan / drk. bı ***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)

Dense fog in the morn. Sunny and partly cloudy , warming in the afternoon.

There were no safety concerns today.

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

Other Observations & Comments:

Monitor excavations for elect. duct bank T. There was no other new excavations.

There was back fill work for fire line.

Pile driving resumed today. Take late shift and collect sediment samples for screen washing.

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: 27 Dec 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 8 Total Mi: 160

Project areas monitored: Pile driving: fuel gas compressor

Time in: 7:00

Time out: 3 pm

Fossils: none observed

15B-06, 33 taken possible fossils

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

dark layer samples at ≈ 20 ft below existing ground surface only one dark layer observed. Water encountered in a few of the holes

Lithology: *Grain size:* (F / M / C) *Color:* tan to dk brown *Texture:* _____ *Sorting:* ~~poor~~ 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: (stands / equipment / cutsr access) none

Other Observations & Comments:

drying out the washed sample left over from last week

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: 28 Dec 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 12 Total Mi: 83

Time in: 7:00

Time out: 7:00

Project areas monitored:
Pile driving; Stream washing

Fossils: SF08-64 gopher tooth

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

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 / Sits / Wress)

Other Observations & Comments:
21 holes completed

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

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

Approx. age:

Soils:

Location: (pads / cuts /landmarks)

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

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

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

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: Dec. 29, 2011

Page: 1 of 1

Monitor: Richard Serrano

Total Hrs: _____ **Total Mi:** 257

Project areas monitored:

North Western section of project area.

Time in: 6: 46 AM

Time out:

Fossils: There were no fossil discoveries made today.

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

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 and cool in the morn. partly cloudy and warming in afternoon.
There were no safety concerns.

Excavation conditions: (status / equipment / cuts / access) There were no safety concerns.
Excavation was done using a Kumatso excavator.

Other Observations & Comments: Pile driving continues.
Monitor trenching for storm drain which appears to be just at native ground.

Assist Annette with transport of 5 gal. buckets to storage 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

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 29 Dec, 2011

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 12 Total Mi: 5

Project areas monitored:

Time in: 7:00

Time out: 7:00

pile driving, screen washing

Fossils: none observed

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

sand dune, deposit

Lithology: Grain size: (F / M / C) Color: Browns Texture: Sorting: Poor 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:

23 holes completed

Field Number: Field ID: Datum: NAD 27 CONUS

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

Approx. age:

Soils:

Location: (pads / cuts /landmarks)

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

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

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

URS DAILY ARCHAEO/PALEO FIELD SUMMARY

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: Dec. 30, 2011

Page: 1 of 1

Monitor: Richard Serrano

Total Hrs: 12 **Total Mi:** 257

Project areas monitored:

North West Corner and Pile Driving

Time in: 6;46 AM

Time out: 0700 PM

Fossils: There were no fossil discoveries made today.

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

Tan sand fill over fine drk. Brn. Silty sand.

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)

Light rain early in morn. Over cast with some sun in afternoon.

There were no safety concerns today.

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

Excavation was done with a CAT 318 excavator.

Other Observations & Comments: Pile driving continued and last pile completed at approx. 7:30 PM.

Monitored excavation for storm drain near storage tanks. This appeared to be right at native soil. All other excavations were were shallow and in fill and were not monitored.

Take evening shift of pile driving.

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

Project Name: Marsh Landing

Project Number: 28067850

Project Location: Marsh Landing

County: Contra Costa

Date: 30 Dec

Page: 1 of 1

Monitor: Annette Cornelius

Total Hrs: 7 Total Mi: 83

Project areas monitored: pile driving, screen washing

Time in: 7.00

Time out: 3:30

Fossils: none observed

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

Sand dune deposit

Lithology: Grainsize: (F / M / C) Color: ~~brown~~ tan-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)

Other Observations & Comments:

Richard will monitor the remaining 7 piles for the day.

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

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

Approx. age:

Soils:

Location: (pads / cuts /landmarks)

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

Coordinates:UTM:_____E/_____N// Lat. N_____Long. W_____Elev.____

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

Subsection 2.25(Soil & Water-2)

As of 12-31-2011

Report of Effectiveness of Drainage , Erosion & Sediment Control

Drainage	No Issue to report
Erosion	No Issue to report
Sedimentation Control	No Issue to report

(Mass Grading commence on May19, 2011 and completed on May 13, 2011)

1.0 There is no known issues with regards to drainage & erosion.

2.0 BMP has been installed on site are per the approved SWPPP and all deficiencies has been addressed and maintained.

3.0 SWPPP inspection & monitoring was performed per the approved SWPPP

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

MARSH LANDING PROJECT TRANSMITTAL

DATE : December 7, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 5

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

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

STRUC-1-51.1 (CBO-0463) Approved	**STRUC-1-15.0 (CBO-0354)** Approved w/ Fire Approval	**STRUC-1-19.0 (CBO-0425)** Approved w/ Fire Approval
STRUC-1-25.0 (CBO-0440) Approved w/ Fire Approval	**STRUC-1-40.1 (CBO-0464)** Approved w/ Fire Approval	

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

Marsh Landing - CBO Transmittal Report

Title STRUC-1-15.0 **CBO-0354** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-SF-081 rev2	10/21/11	Unit #1 CTG Step-up Transformer Foundation Plan, Sections and Details				Superceded by CBO-0401
Drawing	2009-019-SF-083 rev2	10/21/11	Unit #2 CTG Step-Up Transformer Foundation Plan, Section and Detals				Superceded by CBO-0401
Drawing	2009-019-SF-087 rev2	10/21/11	Unit #4 CTG Step-Up Transformer Foundation Plan, Section and Detals				Superceded by CBO-0401
Calcs	910G-02 Rev 2		CTG Step-Up Transformer Foundation		12/1/2011	12/7/2011	Approved w/ Fire Approval

Title STRUC-1-19.0 **CBO-0425** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-SF-076B rev1	11/10/11	SCR Fan Foundation Sections and Details	FW	11/29/2011	12/7/2011	Approved w/ Fire Approval
Drawing	2009-019-SF-076 rev1	11/10/11	SCR Fan Foundation Plan	FW	11/29/2011	12/7/2011	Approved w/ Fire Approval

Title STRUC-1-25.0 **CBO-0440** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-SF-014 rev 1	11/16/11	CTG Foundation Embedded Steel Details	FW			to be superceded by future revised submittal
Drawing	2009-019-SF-009 rev 1	11/16/11	CTG, Air Inlet, RAC & Pilot Gas Foundation Plan	FW	12/1/2011	12/7/2011	Approved w/ Fire Approval

Drawing	2009-019-SF-010 rev 1	11/16/11	CTG Foundation Pedestal Sections and Details	FW	12/1/2011	12/7/2011	Approved w/ Fire Approval
Drawing	2009-019-SF-011 rev 1	11/16/11	CTG & Air Inlet Foundation Pre-Pour Embedment Plan	FW	12/1/2011	12/7/2011	Approved w/ Fire Approval
Drawing	2009-019-SF-013 rev 1	11/16/11	CTG Foundation Sections and Details	FW	12/1/2011	12/7/2011	Approved w/ Fire Approval
Drawing	2009-019-SF-015 rev 1	11/16/11	CTG Foundation Anchor Bolt Schedule	FW			to be superceded by future revised submittal
Calcs	910A-02 rev0.	11/16/11	Design of Combustion Turbine Foundation - Mat and Pedestals	FW	12/1/2011	12/7/2011	Approved w/ Fire Approval
Calcs	910A-03 rev1 1 of 2	11/16/11	Design of Combustion Turbine (CT) Foundation - Anchorage and Embedments 1 of 2	FW			to be superceded by future revised submittal
Calcs	910A-03 rev1 2 of 2	11/19/11	Design of Combustion Turbine (CT) Foundation - Anchorage and Embedments 2 of 2	FW			to be superceded by future revised submittal
Drawing	2009-019-SF-012 rev 1	11/16/11	CTG & Air Inlet Foundation Post-Pour Embedment Plan	FW	12/1/2011	12/7/2011	Approved w/ Fire Approval

Title STRUC-1-40.1 CBO-0464 File No 015F

Document Type	*Dwg No _Rev*	*Rev Date*	*Description*	*CCC Eng*	*Apv Date*	*Upload / Rtn Date*	*Comments*
Calcs	910R-11 Rev 1	11/23/11	BOP Electrical Enclosure Foundation (PEC)	RS	12/1/2011	12/7/2011	Approved w/ Fire Approval
Drawing	2009-019-SF-079 rev1	11/23/11	Balance of Plant Electrical Enclosure Foundation Plan, Sections and Details	RS	12/1/2011	12/7/2011	Approved w/ Fire Approval
Drawing	2009-019-SF-079A rev1	11/23/11	Balance of Plant Electrical Enclosure Foundation Plan, Sections and Details	RS	12/1/2011	12/7/2011	Approved w/ Fire Approval

Title STRUC-1-51.1 CBO-0463 File No 015F

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

Drawing	2009-019-SF-048 rev0.	Fuel Gas Compressor Discharge Filter Skids & Accumulator Tanks Foundation Piling Plan	FW	12/7/2011	12/7/2011	Approved
Calcs	910D-08 Rev 1	Fuel Gas Compressor Discharge Filter Skids & Accumulator Tanks	FW	12/7/2011	12/7/2011	Approved

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

MARSH LANDING PROJECT TRANSMITTAL

DATE : December 14, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 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-1-36.1 (CBO-0368) Approved	**STRUC-1-37.1 (CBO-0458)** Approved

Jacqueline 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-1-36.1 **CBO-0368** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Calcs	Calculations for Submittal 102		Bus Duct Supports	RS	12/14/2011	12/14/2011	Approved

Title STRUC-1-37.1 **CBO-0458** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	7250-021-LP		I.P.B. Structural Steel Plan	RS	12/14/2011	12/14/2011	Approved
Drawing	7250-021-LL (SHT 3 OF 3)		I.P.B. Structural Steel Sections (Sheet 3 of 3)	RS	12/14/2011	12/14/2011	Approved
Drawing	7250-021-LL (SHT 2 OF 3)		I.P.B. Structural Steel Sections (Sheet 2 of 3)	RS	12/14/2011	12/14/2011	Approved
Drawing	7250-021-LL (SHT 1 OF 3)		I.P.B. Structural Steel Sections (Sheet 1 of 3)	RS	12/14/2011	12/14/2011	Approved
Drawing	7250-021-LB		I.P.B. Structural Steel Anchor Bolt Plan	RS	12/14/2011	12/14/2011	Approved
Drawing	7250-011-LZ		I.P.B. Structural Steel Details	RS	12/14/2011	12/14/2011	Approved
Drawing	7250-011-LP		I.P.B. Structural Steel Plan	RS	12/14/2011	12/14/2011	Approved
Drawing	7250-011-LL (SHT 3 OF 3)		I.P.B. Structural Steel Sections (Sheet 3 of 3)	RS	12/14/2011	12/14/2011	Approved
Drawing	7250-011-LL (SHT 2 OF 3)		I.P.B. Structural Steel Sections (Sheet 2 of 3)	RS	12/14/2011	12/14/2011	Approved
Drawing	7250-011-LL (SHT 1 OF 3)		I.P.B. Structural Steel Sections (Sheet 1 of 3)	RS	12/14/2011	12/14/2011	Approved
Drawing	7250-011-LB		I.P.B. Structural Steel Anchor Bolt Plan	RS	12/14/2011	12/14/2011	Approved

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

MARSH LANDING PROJECT TRANSMITTAL

DATE : December 14, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 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-1-25.0 (CBO-0484) Approved w/ Fire Approval	**STRUC-1-25.0 (CBO-0487)** Approved w/ Fire Approval

Deborah Sandercock, S.E.
Supervising Structural Engineer

Marie Taylor
Supervising Building Inspector

Gary Faria
Senior Grading Inspector

Marsh Landing - CBO Transmittal Report

Title STRUC-1-25.0 **CBO-0484** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-SF-014 Rev. 2		CTG Foundation Embedded Steel Details	RS	12/14/2011	12/14/2011	Approved w/ Fire Approval
Drawing	2009-019-SF-010 Rev. 2		CTG Foundation Pedestal Sections & Details	RS	12/14/2011	12/14/2011	Approved w/ Fire Approval

Title STRUC-1-25.0 **CBO-0487** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-SF-015 rev3	02/14/11	CTG Foundation Anchor Bolt Schedule	RS	12/14/2011	12/14/2011	Approved w/ Fire Approval

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 : December 14, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 1

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

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

STRUC-1-32.0 (CBO-0488)
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-1-32.0 **CBO-0488** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Calcs	910U003 Rev 0		General Service Pump Foundation Calc	AC	12/14/2011	12/14/2011	Approved
Drawing	2009-019-SF-032 rev0		General Service Pump Foundation Plans, Sections and Details	AC	12/14/2011	12/14/2011	Approved

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

MARSH LANDING PROJECT TRANSMITTAL

DATE : December 9, 2011
FROM : Roxanna Hymer
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 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-1-50.0 (CBO-0480) Approved	**TSE-5-3.1 (CBO-0474)** Return No Comments

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-1-50.0** **CBO-0480** **File No** **015F**

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Calcs	910R-12 Rev. 0		Air Dryer, Air Receiver and Air Compressor Foundation	DS	12/09/2011	12/09/2011	Approved
Drawing	2009-019-SF-071 Rev. 0		Dessicant Air Dryer, Air Receiver and Air Compressor Foundation Plan, Sections & Details	DS	12/09/2011	12/09/2011	Approved

Title **TSE-5-3.1** **CBO-0474** **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		Equipment Structures 230 KV Substation	DS		12/09/2011	Returning w/ No 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 : December 12, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 1

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

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

STRUC-1-52.2 (CBO-0477)
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 STRUC-1-52.2 **CBO-0477** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Calcs	910D-06 Rev 2		Fuel Gas Compressor Fin Fan Foundation Calc	AC	12/12/2011	12/12/2011	Approved

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

MARSH LANDING PROJECT TRANSMITTAL

DATE : December 12, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 1

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

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

STRUC-1-59.0 (CBO-0478)
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 STRUC-1-59.0 **CBO-0478** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Calcs	910O-02 SCR Stack FDN Calc		SCR / Stack Foundation Calc	FW		12/12/2011	Superceded by CBO-0485
Drawing	2009-019-SF-025A Rev. 1		SCR System Foundation Anchor Bolt Sections & Details	FW	12/9/2011	12/12/2011	Approved
Drawing	2009-019-SF-025 Rev. 1		SCR System Foundation Anchor Bolt Sections & Details	FW		12/12/2011	Superceded by CBO-0485
Drawing	2009-019-SF-024A Rev. 2		SCR System Foundation Sections & Details	FW	12/9/2011	12/12/2011	Approved
Drawing	2009-019-SF-024 Rev. 1		SCR System Foundation Sections & Details	FW	12/9/2011	12/12/2011	Approved
Drawing	2009-019-SF-023 Rev. 1		SCR System Foundation Post-Pour Embedment Plan	FW	12/9/2011	12/12/2011	Approved
Drawing	2009-019-SF-022 Rev. 1		SCR System Foundation Pre-Pour Embedment Plan	FW	12/9/2011	12/12/2011	Approved
Drawing	2009-019-SF-021 Rev. 1		SCR System Foundation Plan	FW	12/9/2011	12/12/2011	Approved

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

MARSH LANDING PROJECT TRANSMITTAL

DATE : December 12, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 1

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

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

STRUC-1-59.0 (CBO-0485)
Approved

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

Marsh Landing - CBO Transmittal Report

Title STRUC-1-59.0 **CBO-0485** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Calcs	910O-02 SCR Stack FDN Calc		SCR & Stack Foundation Calcs	FW	12/9/2011	12/12/2011	Approved
Drawing	2009-019-SF-025 Rev. 2		SCR System Foundation Anchor Bolt Sections & Details	FW	12/9/2011	12/12/2011	Approved
Drawing	2009-019-SF-024 Rev. 2		SCR System Foundation Sections & Details	FW	12/9/2011	12/12/2011	Approved
Drawing	2009-019-SF-021 Rev. 2		SCR System Foundation Plan	FW	12/9/2011	12/12/2011	Approved

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

MARSH LANDING PROJECT TRANSMITTAL

DATE : December 12, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 1

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

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

STRUC-1-59.0 (CBO-0485)
Approved

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

Marsh Landing - CBO Transmittal Report

Title STRUC-1-59.0 **CBO-0485** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Calcs	910O-02 SCR Stack FDN Calc		SCR & Stack Foundation Calcs	FW	12/9/2011	12/12/2011	Approved
Drawing	2009-019-SF-025 Rev. 2		SCR System Foundation Anchor Bolt Sections & Details	FW	12/9/2011	12/12/2011	Approved
Drawing	2009-019-SF-024 Rev. 2		SCR System Foundation Sections & Details	FW	12/9/2011	12/12/2011	Approved
Drawing	2009-019-SF-021 Rev. 2		SCR System Foundation Plan	FW	12/9/2011	12/12/2011	Approved

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

MARSH LANDING PROJECT TRANSMITTAL

DATE : December 8, 2011
FROM : Roxanna Hymer
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 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-1-37.0 (CBO-0369)
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-1-37.0** **CBO-0369** **File No** **015F**

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Calcs	910R-07 Rev 1		Isophase Area Foundation	RS	12/08/2011	12/08/2011	Approved
Drawing	2009-019-SF-089B rev0.		Unit #2 Iso-Phase Support Area Mat Foundation Plan, Sections and Details	RS	12/08/2011	12/08/2011	Approved
Drawing	2009-019-SF-089A rev1	10/28/11	Unis #1, 3 and 4 Iso-Phase Support Area Mat Foundation Plan, Sections and Details	RS	12/08/2011	12/08/2011	Approved

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

MARSH LANDING PROJECT TRANSMITTAL

DATE : December 8, 2011
FROM : Roxanna Hymer
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 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-1-7.1 (CBO-0444) Approved	**STRUC-1-10.0 (CBO-0445)** 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-1-10.0	CBO-0445	File No 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-SF-201 rev2	11/17/11	Typical Concrete Details	RS	12/08/2011	12/08/2011	Approved

Title	STRUC-1-7.1	CBO-0444	File No 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-SF-027 rev1	11/17/11	Oil / Water Separator Tanks O-WDR-SEP-01 and O-WDR-SEP-02 Foundation Plan, Sections and Details	RS	12/08/2011	12/08/2011	Approved

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

MARSH LANDING PROJECT TRANSMITTAL

DATE : December 12, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 1

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

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

STRUC-1-24.2 (CBO-0417)
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 STRUC-1-24.2 **CBO-0417** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	US1033-XB00-MBJ-20054002		Turning Gear Platform Loads Table	RS	12/12/2011	12/12/2011	Approved
Drawing	US1033-XB00-MBJ-20054001		Gas Turbine Power Block Turning Gear Area Foundation	RS	12/12/2011	12/12/2011	Approved
Calcs	201-CA-0001-001 Turning gea		Turning Gear Calculation	RS	12/12/2011	12/12/2011	Approved

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

MARSH LANDING PROJECT TRANSMITTAL

DATE : December 7, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 4

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-1-3.0 (CBO-0429)
Approved

STRUC-1-8.0 (CBO-0439)
Approved

STRUC-1-51.0 (CBO-0462)
Approved

TSE-5-2.0 (CBO-0431)
Returned with Comments

Deborah Sandercock, S.E.
Supervising Structural Engineer

Marie Taylor
Supervising Building Inspector

Gary Faria
Senior Grading Inspector

Marsh Landing - CBO Transmittal Report

Title STRUC-1-3.0 **CBO-0429** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Calcs	910V-01 Rev 1		Ammonia Containment Area Foundation Piling Calc	FW	12/5/2011	12/7/2011	Approved
Drawing	2009-019-SF-051 rev1	11/09/11	Ammonia Containment Area Foundation Piling Plan	FW	12/5/2011	12/7/2011	Approved

Title STRUC-1-51.0 **CBO-0462** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Calcs	910D-01 Rev 1		Fuel Gas Compressor Building Foundation Piling	FW	12/7/2011	12/7/2011	Approved
Drawing	2009-019-SF-042 rev0.		Fuel Gas Compressor Building Foundation Piling Plan	FW	12/7/2011	12/7/2011	Approved

Title STRUC-1-8.0 **CBO-0439** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Calcs	910O-01 SCR_Stack Piles Re		SCR Pile Calc	FW	12/6/2011	12/7/2011	Approved

Title TSE-5-2.0 **CBO-0431** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Clacs	912B-01 revA		H-Frame / Monopole Drilled Pier Calculations	DS		12/7/2011	Returned with Comments
Drawing	2009-019-PDS-950 revA		Switchyard Drilled Piers	DS		12/7/2011	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 : December 30, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 3

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

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

STRUC-1-43.0 (CBO-0446)
Approved w/ Fire Approval

STRUC-1-70.1 (CBO-0500)
Approved w/ Fire Approval

MECH-1-37.0 (CBO-0493)
CBO: Reviewed for Reference Only
Fire: 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 MECH-1-37.0 **CBO-0493** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-PS-781 Rev. 0		Piping & Instrumentation Diagram AQA - Aqueous Ammonia	MT		12/30/2011	CBO: Reviewed for Reference Only / Fire: Approved
Drawing	2009-019-PS-780 Rev. 0		Piping & Instrumentation Diagram AQA - Aqueous Ammonia	MT		12/30/2011	CBO: Reviewed for Reference Only / Fire: Approved

Title STRUC-1-43.0 **CBO-0446** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-SF-085A rev0		CTG Step-Up Transformer Unit #3 and UAT Transformers Foundation Sections and Details	RS	12/20/2011	12/30/2011	Approved w/ Fire Approval
Drawing	2009-019-SF-085 rev0		CTG Step-Up Transformer Unit #3 and UAT Transformers Foundation Plan, Sections and Details	RS	12/20/2011	12/30/2011	Approved w/ Fire Approval

Title STRUC-1-70.1 **CBO-0500** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Calcs	911D-01 Rev 2		Construction Warehouse Foundation Calc	RS	12/23/2011	12/30/2011	Approved w/ Fire Approval
Drawing	2009-019-SF-120 rev1.	11/14/11	Construction Warehouse Foundation Plan, Sections and Details	RS	12/23/2011	12/30/2011	Approved w/ Fire Approval

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 : December 13, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 1

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

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

STRUC-1-7.0 (CBO-0423)
Approved

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

Marsh Landing - CBO Transmittal Report

Title STRUC-1-7.0 **CBO-0423** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-SF-026 rev1	11/08/11	CT Drains Tank Foundation Plan, Sections and Details	FW	12/13/2011	12/13/2011	Approved

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

MARSH LANDING PROJECT TRANSMITTAL

DATE : December 30, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 5

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

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

TSE-4-4.0 (CBO-0498)
Reviewed for Reference Only

ELEC-1-9.0 (CBO-0490)
Approved

ELEC-1-17.0 (CBO-0496)
Approved

ELEC-1-17.3 (CBO-0497)
Approved

STRUC-1-33.0 (CBO-0505)
Approved

Deborah Sandercock, S.E.
Supervising Structural Engineer

Marie Taylor FOR
Supervising Building Inspector

Gary Faria
Senior Grading Inspector

Marsh Landing - CBO Transmittal Report

Title ELEC-1-17.0 **CBO-0496** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-ED-330 Rev. 5		Electrical Duct Bank Layout GSU 3 & Switchyard Area	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-010 Rev. 2		Electrical Duct Bank Layout Yard Area	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-020 Rev. 2		Electrical Duct Bank Layout Water Treatment Area	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-030 Rev. 3		Electrical Duct Bank Layout Fuel Gas Compressor Area	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-110 Rev. 3		Electrical Duct Bank Layout Ammonia Storage Area	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-120 Rev. 4		Electrical Duct Bank Layout, Administration & Control Bldgs, Stacks 1 & 2	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-320 Rev. 5		Electrical Duct Bank Layout GSU 1 & 2 & Switchyard Area	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-340 Rev. 5		Electrical Duct Bank Layout GSU 4 & Switchyard Area	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-902 Rev. 2		Electrical Duct Bank Details SFC / SEE Package 01 & 02	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-903 Rev. 2		Electrical Duct Bank Details SFC / SEE Package 03 & 04	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-130 Rev. 4		Electrical Duct Bank Layout Fuel Gas & Stacks 2 & 3 Areas	MT	12/29/2011	12/30/2011	Approved

Title ELEC-1-17.3 **CBO-0497** **File No** 015F

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

Drawing	2009-019-ED-220 Rev. 4	Electrical Duct Bank Layout SCR / CTG 1 & 2 Area	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-230 Rev. 3	Electrical Duct Bank Layout SCR / CTG 2 & 3 Area	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-240 Rev. 3	Electrical Duct Bank Layout SCR / CTG 4 Area	MT	12/29/2011	12/30/2011	Approved

Title ELEC-1-9.0 CBO-0490 File No 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-EC-960A rev3	12/16/11	Electrical Embedded Conduit Layout Typical CTG Conduit Elevation 14'-9"	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-EC-960D rev3	12/16/11	Electrical Embedded Conduit Layout Typical CTG Conduit Elevation 11' - 0", 10' - 4 1/2" and 9' - 9"	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-EC-960C rev3	12/16/11	Electrical Embedded Conduit Layout Typical CTG Conduit Elevation 13'-7"	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-EC-960B rev3	12/16/11	Electrical Embedded Conduit Layout Typical CTG Conduit Elevation 14'-2"	MT	12/29/2011	12/30/2011	Approved

Title STRUC-1-33.0 CBO-0505 File No 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Calcs	910G-06 Rev. 0		Pad Mounted Transformers Calcs	AC	12/30/2011	12/30/2011	Approved
Drawing	2009-019-SF-091 Rev. 1		Pad Mounted Transformers Foundation Plan, Sections & Details	AC	12/30/2011	12/30/2011	Approved

Title TSE-4-4.0 CBO-0498 File No 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Sepcs	Spec. 1066 Rev. 0 (IFC)		Switchyard Structures & Equipment	MT		12/30/2011	Reviewed for Reference Only

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 : December 27, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 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-1-2.1B (CBO-0494) Approved	**STRUC-1-52.2 (CBO-0501)** Approved

Marie 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-1-2.1B	CBO-0494	File No 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-SF-202 Rev. 3		Pile to Pile Cap Connection Details	RS	12/21/2011	12/27/2011	Approved

Title	STRUC-1-52.2	CBO-0501	File No 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-SF-061 rev1	12/23/11	Fuel Gas Compressor Cooler Foundation Piling Plan	AC	12/27/2011	12/27/2011	Approved

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

MARSH LANDING PROJECT TRANSMITTAL

DATE : December 12, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 4

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-4-7.0 (CBO-0457)
No Comments

ELEC-1-4.2 (CBO-0469)
No Comments

ELEC-1-14.0 (CBO-0467)
Approved

ELEC-1-21.0 (CBO-0468)
Reviewed for Reference Only

Deborah Sandercock, S.E.
Supervising Structural Engineer

Marie Taylor FOR
Marie Taylor
Supervising Building Inspector

Gary Faria
Senior Grading Inspector

Marsh Landing - CBO Transmittal Report

Title ELEC-1-14.0 **CBO-0467** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-EG-340 rev1	11/28/11	Electrical Grounding Layout GSU 4 and Switchyard Area	MT	12/8/2011	12/12/2011	Approved
Drawing	2009-019-EG-330 rev1	11/28/11	Electrical Grounding Layout Auxiliary Transformers, GSU 3 and Switchyard Area	MT	12/8/2011	12/12/2011	Approved
Drawing	2009-019-EG-320 rev1	11/28/11	Electrical Grounding Layout GSU 1 and 2 and Switchyard Area	MT	12/8/2011	12/12/2011	Approved

Title ELEC-1-21.0 **CBO-0468** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Docs	5kV Circuit Schedule		Marsh Landing 5kV Circuit Schedule	MT		12/12/2011	Reviewed for Reference Only

Title ELEC-1-4.2 **CBO-0469** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-EG-903 revA		Electrical Switchyard Equipment Grounding Details	MT		12/12/2011	Returned No Comments

Title TSE-4-7.0 **CBO-0457** **File No** 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-PDS-003 Rev. A		Switchyard One-Line Diagram Trip Table	MT		12/12/2011	Returned No Comments

Drawing	2009-019-PDS-002 Rev. B	Switchyard One-Line Diagram Units 3 and 4 - 230KV Switchyard and Transmission	MT	12/12/2011	Returned No Comments
Drawing	2009-019-PDS-001 Rev. B	Switchyard One-Line Diagram Units 1 and 2 - 230KV Switchyard and Transmission	MT	12/12/2011	Returned No 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 : December 30, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 5

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

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

TSE-4-4.0 (CBO-0498)
Reviewed for Reference Only

ELEC-1-9.0 (CBO-0490)
Approved

ELEC-1-17.0 (CBO-0496)
Approved

ELEC-1-17.3 (CBO-0497)
Approved

STRUC-1-33.0 (CBO-0505)
Approved

Deborah Sandercock, S.E.
Supervising Structural Engineer

Marie Taylor FOR
Supervising Building Inspector

Gary Faria
Senior Grading Inspector

Marsh Landing - CBO Transmittal Report

Title ELEC-1-17.0 **CBO-0496** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-ED-330 Rev. 5		Electrical Duct Bank Layout GSU 3 & Switchyard Area	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-010 Rev. 2		Electrical Duct Bank Layout Yard Area	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-020 Rev. 2		Electrical Duct Bank Layout Water Treatment Area	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-030 Rev. 3		Electrical Duct Bank Layout Fuel Gas Compressor Area	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-110 Rev. 3		Electrical Duct Bank Layout Ammonia Storage Area	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-120 Rev. 4		Electrical Duct Bank Layout, Administration & Control Bldgs, Stacks 1 & 2	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-320 Rev. 5		Electrical Duct Bank Layout GSU 1 & 2 & Switchyard Area	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-340 Rev. 5		Electrical Duct Bank Layout GSU 4 & Switchyard Area	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-902 Rev. 2		Electrical Duct Bank Details SFC / SEE Package 01 & 02	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-903 Rev. 2		Electrical Duct Bank Details SFC / SEE Package 03 & 04	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-130 Rev. 4		Electrical Duct Bank Layout Fuel Gas & Stacks 2 & 3 Areas	MT	12/29/2011	12/30/2011	Approved

Title ELEC-1-17.3 **CBO-0497** **File No** 015F

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

Drawing	2009-019-ED-220 Rev. 4	Electrical Duct Bank Layout SCR / CTG 1 & 2 Area	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-230 Rev. 3	Electrical Duct Bank Layout SCR / CTG 2 & 3 Area	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-ED-240 Rev. 3	Electrical Duct Bank Layout SCR / CTG 4 Area	MT	12/29/2011	12/30/2011	Approved

Title ELEC-1-9.0 CBO-0490 File No 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawing	2009-019-EC-960A rev3	12/16/11	Electrical Embedded Conduit Layout Typical CTG Conduit Elevation 14'-9"	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-EC-960D rev3	12/16/11	Electrical Embedded Conduit Layout Typical CTG Conduit Elevation 11' - 0", 10' - 4 1/2" and 9' - 9"	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-EC-960C rev3	12/16/11	Electrical Embedded Conduit Layout Typical CTG Conduit Elevation 13'-7"	MT	12/29/2011	12/30/2011	Approved
Drawing	2009-019-EC-960B rev3	12/16/11	Electrical Embedded Conduit Layout Typical CTG Conduit Elevation 14'-2"	MT	12/29/2011	12/30/2011	Approved

Title STRUC-1-33.0 CBO-0505 File No 015F

Document Type	Dwg No Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Calcs	910G-06 Rev. 0		Pad Mounted Transformers Calcs	AC	12/30/2011	12/30/2011	Approved
Drawing	2009-019-SF-091 Rev. 1		Pad Mounted Transformers Foundation Plan, Sections & Details	AC	12/30/2011	12/30/2011	Approved

Title TSE-4-4.0 CBO-0498 File No 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Sepcs	Spec. 1066 Rev. 0 (IFC)		Switchyard Structures & Equipment	MT		12/30/2011	Reviewed for Reference Only

Subsection 2.32(Waste 1)

As of -12-31-2011

Asbestos Removal

All work completed

Subsection 2.33(Worker Safety-3)

As of 12-31-2011

Days Without Incident	321 days(As of 2-14-2011)
No. of Employee Trained to Date (Kiewit Direct)	136
No. of Employee Trained thru Dec. 2011 (Kiewit Subcontractor)	75
Safety Management Actions	0
Incident Alert	2
Continuing un-resolved situations & Incidents which may pose danger to life and Health	0

Incident Alert	Date	Summary
1	8/26/2011	Pile delivery truck fail to see a previously driven indicator plie and struck it. No injury and only slight damage to truck and plie.
2	8/29/2011	While operating a 480V-100Amp fused disconnect switch, a linkage came loose causing linkage to come in contact with fuse resulting in an Arc blast. The blast was contained within the disconnect as designed and no one was injured.
3	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.

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 : December 9, 2011
FROM : Roxanna Hymer
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 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-1-50.0 (CBO-0480) Approved	**TSE-5-3.1 (CBO-0474)** Return No Comments

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-1-50.0** **CBO-0480** **File No** **015F**

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Calcs	910R-12 Rev. 0		Air Dryer, Air Receiver and Air Compressor Foundation	DS	12/09/2011	12/09/2011	Approved
Drawing	2009-019-SF-071 Rev. 0		Dessicant Air Dryer, Air Receiver and Air Compressor Foundation Plan, Sections & Details	DS	12/09/2011	12/09/2011	Approved

Title **TSE-5-3.1** **CBO-0474** **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		Equipment Structures 230 KV Substation	DS		12/09/2011	Returning w/ No 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 : December 21, 2011
FROM : Jacqueline Ritchie
RE : Contra Costa County Building Inspection has reviewed the attached listed items for Mirant/Genon Marsh Landing Project - Building Permit #: BIIN11-001018

Total packages included in this Transmittal: 1

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

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

MECH-3-5.0 (CBO-0455)
Approved

Deborah Sandercock, S.E.
Supervising Structural Engineer

Marie Taylor FOR
Marie Taylor
Supervising Building Inspector

Gary Faria
Senior Grading Inspector

Marsh Landing - CBO Transmittal Report

Title MECH-3-5.0 **CBO-0455** **File No** 015F

Document Type	Dwg No _Rev	Rev Date	Description	CCC Eng	Apv Date	Upload / Rtn Date	Comments
Drawings	HVAC, WWB for Construction		HVAC WWB for Construction	MT	12/20/2011	12/21/2011	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
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.
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.
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			

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

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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			
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			

Mirant Marsh Landing CEC Compliance Matrix

Based on CEC Final Decision
08 - AFC -03

Color Code Key:

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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	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-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 each commissioning activity, the anticipated duration of each activity in hours, and the purpose of the activity. The activities described shall include, but not be limited to, the tuning of the Dry-Low-NOx combustors, the installation and operation of the required emission control	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 during the commissioning period and the anticipated duration of each commissioning activity.	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	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			

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

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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 419)	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			
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 Oxidation Catalyst for more than 232 hours each during the commissioning period. The owner/operator shall operate the facility such that simultaneous commissioning of no more than two gas turbines will occur without abatement of nitrogen oxides and carbon monoxide by its SCR system and oxidation catalyst system. Such operation of any Gas Turbine without abatement	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 required shall be included in the quarterly operation report (AQ-SC8).	Four weeks prior to first firing of GT during Commissioning	7/1/12	KIEWIT			

Mirant Marsh Landing CEC Compliance Matrix

Based on CEC Final Decision
08 - AFC -03

Color Code Key:

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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	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-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	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	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	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			

Mirant Marsh Landing CEC Compliance Matrix

Based on CEC Final Decision
08 - AFC -03

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Pre-Const	Construction	Commiss.	Operations	To CEC or Agency	Approved by CEC

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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			
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 temperature.	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			

Mirant Marsh Landing CEC Compliance Matrix

Based on CEC Final Decision
08 - AFC -03

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Pre-Const	Construction	Commiss.	Operations	To CEC or Agency	Approved by CEC

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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 Per Shutdown: 15.1, 111.5, 5.4	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 NO2):80, CO:450, POC (as CH4):30	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			
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 per day (Basis: Cumulative Increase) (e) 596 pounds of SO2 per day (Basis: Cumulative	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			

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

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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	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			
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	Every 24 months submit with/in 60days of test	As required	GenOn			

Mirant Marsh Landing CEC Compliance Matrix

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08 - AFC -03

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Pre-Const	Construction	Commiss.	Operations	To CEC or Agency	Approved by CEC

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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 from each power train. The owner/operator shall use the actual heat input rates measured pursuant to AQ-24, actual Gas Turbine start-up times, actual Gas Turbine shutdown times, and CEC and District-approved emission factors developed pursuant to source testing under AQ-28 to calculate these emissions. The owner/operator shall present the calculated emissions in the following format:(a) For each calendar day, POC, PM10, and SO2 emissions, summarized for each power train (Gas Turbine)	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			

Mirant Marsh Landing CEC Compliance Matrix

Based on CEC Final Decision
08 - AFC -03

Color Code Key:

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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	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	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			
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	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			

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

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COMM &OPS	AQ-29	Obtain approval for all source test procedures from the District's Source Test Section and the CEC CPM prior to conducting any tests. Comply with all applicable testing requirements for continuous emission monitors as specified in Volume V of the District's Manual of Procedures. Notify the District's Source Test Section and the CEC CPM in writing of the source test protocols and projected test dates at least 7 days prior to	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 any of the compounds listed below are less than the BAAQMD trigger levels, pursuant to Regulation 2, Rule 5, shown, then the owner/operator may discontinue future testing for that pollutant: Benzene ≤ 3.8 pounds/year and 2.9 pounds/hour, Formaldehyde < 18 pounds/year and 0.12 pounds/hour, Specified PAHs ≤ 0.0069 pounds/year	The results and field data collected during source tests shall be submitted to the District and CPM within 60 days of testing and according to a preapproved protocol (AQ-29).	Within 60 days of initial source testing	6/30/13	KIEWIT			
OPS	AQ-30b	Testing for toxic air contaminant emissions shall be conducted upon initial operation and at least once every 24 months.	The results and field data collected during source tests shall be submitted to the District and CPM within 60 days of testing	with in 60 days of test every 24 months thereafter	As required	GenOn			
OPS	AQ-31	Calculate the sulfuric acid mist (SAM) emission rate using the total heat input for the sources and the highest results of any source testing conducted pursuant to AQ-32. If this SAM mass emission limit of AQ- 33 is exceeded, the owner/operator must utilize air dispersion modeling to determine the impact (in µg/m3) of the sulfuric acid mist emissions pursuant to	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			

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

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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			
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 Rules or Regulations and in accordance with all	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			

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-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 related incidents. The owner/operator shall make all records and reports available to District and the CEC CPM staff upon request.	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. Notwithstanding the notification and reporting requirements given in any District Rule, Regulation, or the Manual of Procedures, the owner/operator shall submit written notification (facsimile is acceptable) to the Enforcement Division within 96 hours of the violation of any permit condition.	A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report.	Quarterly	30 days after end of quarter	GenOn			
CONS	AQ-38	Provide adequate stack sampling ports and platforms to enable the performance of source testing. The location and configuration of the stack sampling ports shall comply with the District Manual of Procedures, Volume IV, Source Test Policy and Procedures, and shall be subject to BAAQMD review and approval, except that the facility shall provide four sampling ports that are at least 6 inches in diameter in the same plane of each gas turbine stack.	The project owner shall make the site available for inspection by representatives of the District, ARB and the Commission.	As Required	As required	KIEWIT			
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			

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

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CONS	BIO-2	Ensure that the DB performs the specified 1. through 9. of the condition during any site (or related facilities) mobilization, ground disturbance, grading, construction, operation, and closure activities. The DB may be assisted by the approved Biological Monitor(s), but remains the contact for the project owner and CPM.	Designated Biologist must maintain written records of the tasks described in condition and provide summaries for inclusion in the MCR.	Monthly	Include in the MCR	BIOLOGIST			
CONS	BIO-3	Construction/Operation Manager shall act on the advice of the DB to ensure conformance with the biological resources Conditions of Certification. If required by the DB, Construction/ Operation Manager shall halt all activities in areas specified by the DB. The Designated Biologist shall follow the process 1. through 3 in the condition if construction is 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			
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			

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

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OPS	BIO-4d	Keep signed WEAP statements in project files.	During project operation, signed statements for active project operational personnel shall be kept on file for six months following the termination of an individual's employment.	As required	As required	GenOn			
CONS	BIO-5b	Revise or supplement the BRMIMP to reflect any BIO permit conditions received after the original BRMIMP is accepted.	Submit any bio permits not yet received when the BRMIMP is first submitted to the CPM and HTAC	Within 5 days of receipt	As required	BIOLOGIST			
CONS	BIO-5c	Any changes to the approved BRMIMP must also be approved by the CPM and submitted to the HTAC to ensure no conflicts exist.	Notify the CPM before implementing any modifications to the approved BRMIMP	Within 5 days	As required	BIOLOGIST			
CONS	BIO-5d	Implementation of BRMIMP measures will be reported in the MCR by the DB.	Provide report for inclusion in MCR.	Monthly	Include in MCR	BIOLOGIST			
CONS	BIO-5e	Prepare a written construction closure report identifying which items of the BRMIMP have been completed, a summary of all modifications to mitigation measures made during the project's site mobilization, ground disturbance, grading, and construction phases, and which mitigation and monitoring items are still outstanding.	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			

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
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	Provide written verification to the CPM, USFWS, and CDFG that first annual payment was made. Thereafter within 30	30 days after the start of project operation	5/31/13	GenOn			
CONS	CIV-2	RE shall stop all earthwork and construction in the affected areas when the responsible soils,	Notify the CPM within 24 hours when earthwork and construction are stopped as	Within 24 hours of construction halt	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 plans, the discrepancies shall be reported immediately to the RE, CBO and CPM. EPC must prepare a written report detailing all discrepancies, non-compliance items, and	RE shall transport to the CBO and CPM a NCR and the proposed corrective action for review and approval. Within 5 days of resolution, EPC must submit details of correction action to the CBO and CPM.	Within 5 days of discovery of any discrepancies	As required	KIEWIT	9/2/2011 9/13/2011 9/23/2011 10/14/2011 10/17/2011 10/24/2011		9/2/2011 Submitted NCT-001, 9/13/2011 Submitted NCR-2,3,4 9/23/2011 Submitted NCR-5 Submitted additional information for NCR 3&4
CONS	CIV-4	After completion of finished grading and erosion and sedimentation control and drainage facilities, the Project Owner shall obtain the CBO's	Submit to the CBO for review and approval the final grading plans (including final changes) and the responsible civil	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	Provide the required written documentation to the CPM.	At least 10 days prior to a termination or release of the CRS	As required	GenOn			
CONS	CUL-1d	Submit the resumes of the technical specialists to the CPM for review and approval.	Provide the required written documentation to the CPM.	At least 10 days prior to technical specialists beginning new	As required	CULTURAL SPECIALIST			
CONS	CUL-2b	Provide to the CRS and CPM a schedule of project activities for the following week, including the identification of area(s) where ground disturbance will occur during that week.		Weekly during construction	Weekly	KIEWIT			
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			

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

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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,	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 all persons who have completed training to date.	Include a running total in MCR.	Monthly	Include in the MCR	KIEWIT			
CONS	CUL-6a	Ensure that CRS, alternate CRS or CRMs monitor full time all ground disturbances at project site along the linear facilites routes, and laydown areas, roads, and other ancillary areas.	As long as no cultural resources are found, Provide daily a statement that "no cultural resources over 50 years of age were discovered" to the CPM as an e-mail	Daily	Daily	CULTURAL SPECIALIST			
CONS	CUL-6b	Submit monthly monitoring summary reports of cultural resources related monitoring, created by the CRS as required by the condition.	Include in each MCR a copy of the monthly summary report of cultural resources-related monitoring prepared by the CRS and attach any new DPR 523 A forms completed	Monthly	Include in the MCR	CULTURAL SPECIALIST			
CONS	CUL-6c	Notify CEC prior to changing or eliminatinating monitoring.	Provide letter or email to CPM for review and approval detailing justification for changing or eliminating monitoring.	At least 24 hours prior to changing level	As required	CULTURAL SPECIALIST			
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	Provide the required written documentation to the CPM.	No later than 30 days after discovery	As required	CULTURAL SPECIALIST			
CONS	CUL-6e	Submit any comments or information provided by Native Americans in response to the project owner's transmittals of information.	Provide the required written documentation to the CPM.	Within 15 days of receipt	As required	GenOn			
CONS	CUL-7b	Ensure the CRS notifies all Native American groups that expressed a desire to be notified in the event of a discovery and complete a DPR 523 forms as specified in the condition	Unless discovery is treated presciptiibley, Submitt completed DPR 523 forms to CPM for review and approval	Within 24 hours of discovery (48 to notify Native American groups)	As required	CULTURAL SPECIALIST			

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
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 compliance and life safety, submit for CBO	Submit to the CBO for design review and approval the items listed in this condition	At least 30 days prior to start of construction of each increment of electrical construction	As required	KIEWIT			
CONS	GEN-1	Design, construct, and inspect the project in accordance with the codes listed in the condition.	The project owner shall submit to the CPM and the CBO a statement of verification, signed by the responsible design engineer, attesting that all designs, construction, installation, and inspection requirements of the applicable LORS and the Energy	Five (5) days prior to requesting the issuance of the certificate of occupancy	3/1/13	KIEWIT			
CONS	GEN-2b	Furnish the CPM and the CBO with an updated schedule of facility design submittals	Provide schedule updates in the monthly compliance report	Monthly	Include in the MCR	KIEWIT			
CONS	GEN-3	Make payments to the CBO for design review, plan check and construction inspections based upon a reasonable fee schedule to be negotiated between NCPA and the CBO.	Send copy of CBO's receipt of payment to CPM in next MCR indicating applicable fees have been paid.	Monthly	Include in the MCR	GenOn			
CONS	GEN-7	If any discrepancy in design and/or construction is discovered in any engineering work that has undergone CBO design review and approval, the project owner shall document the discrepancy	Transmit a copy of the CBO's approval of any corrective action taken to resolve a discrepancy to the CPM in the next monthly compliance report. If any corrective action	Monthly	Include in the MCR	KIEWIT			
CONS	GEN-8	Obtain the CBO's final approval of all completed work that has undergone CBO design review and approval. Request the CBO to inspect the completed structure and review the submitted	Submit to the CBO, with a copy to the CPM, in the next monthly compliance report, (a) a written notice that the completed work is ready for final inspection, and (b) a signed	Within 15 days of completion of any work	As required	KIEWIT			
OPS	HAZ-1	Do not use any hazardous material in any quantity or strength not listed in Appendix B unless approved in advance by the CEC CPM.	Provide to the CPM, in the Annual Compliance Report, a list of hazardous materials contained at the facility.	Annually	Include in the ACR	K&M			
CONS	HAZ-2	Concurrently provide and updated Business Plan, and updated Spill Prevention Control, and Countermeasure Plan, and an updated Risk Management Plan to CCCHSD-HMP) and the CPM for review. Reflect all changes in doc and provide copies to CCCHSD-HMP, CCCFPD and	Provide a copy of the final updated Business Plan and Updated SPCC plan to CPM for approval. Provide the final RMP to CCHSD-HMP and the CCFPD for information and to the CPM for approval	At least 30 days prior to receiving any hazardous material on site	1/1/13	GenOn			

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

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CONS	HAZ-3	Develop and implement a Safety Management Plan (SMP) for the delivery of aqueous ammonia and other liquid hazmat by tanker truck.	Submit the plan to the CPM for review and approval.	At least 30 days prior to delivery of any hazardous	1/1/13	GenOn			
CONS	HAZ-4	Design ammonia storage facility to either ASME Pressure Vessel Code and ANSI K61.6 or to API 620. Tans shall be protected by a secondary	Submit final design drawings and specifications for the ammonia storage tank and secondary containment basin to the	At least 60 days prior to delivery of aqueous ammonia	12/2/12	GenOn - Tank Kiewit-Secondary			
CONS	HAZ-5	Direct all vendors delivering aqueous ammonia to the site to use only tanker truck transport vehicles that meet or exceed the specifications of DOT Code MC-307.	Submit copies of notification letter to supply vendors indicating the transport vehicle specs to the CPM for review and approval.	At least 30 days prior to reciept of aqueous ammonia on site	1/31/13	GenOn			
CONS	HAZ-6	Direct all vendors delivering any hazardous material to the site to use only the route approved by the CPM.Obtain approval of the CPM if an alternate route is desired.	Submit copies of the required transportation route limitation direction to the CPM for review and approval.	At least 60 days prior to reciept of any hazardous material on site	1/1/13	GenOn			
CONS	HAZ-8a	Prepare a site-specific security plan for the commissioning and operational phases which addresses all the items in the Condition.	Notify the CPM that a site-specific operations site security plan is available for review and approval.	At least 30 days prior to reciept of hazardous materials on site	1/31/13	GenOn			
OPS	HAZ-8b	Include a statement that all current project employee and appropriate contractor background investigations have been performed, and that updated certification statements have been	Provide information for inclusion in annual compliance report.	Annually	Include in the ACR	K&M			
CONS	MECH-1a	MAJOR PIPING & PLUMBING SYSTEMS: Submit for CBO design review and approval the proposed final design, specifications and calculations for each plant major piping and plumbing system listed in the CBO approved master drawing and master specification list.	Submit to the CBO for design review and approval the final plans, specs, and calcs for each major plant piping and plumbing system listed in Facility Design Table 2. including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with LORS	At least 30 days prior to the start of any piping or plumbing construction	As required	KIEWIT			
CONS	MECH-1b	Upon completion of construction of any such major piping or plumbing system, the project owner shall request the CBO's inspection approval of that construction.	Provide the required written documentation to the CPM.	Monthly	Include in the MCR	KIEWIT			
CONS	MECH-2a	PRESSURE VESSELS: Submit for CBO design review and approval the proposed final design, specifications and calculations for each plant	Submit to the CBO for design review and approval the final plans, specs, and calcs, including a copy of the signed and stamped	At least 30 days prior to start of onsite fabrication	As required	KIEWIT			
CONS	MECH-2b	Upon completion of construction of pressure vessels, the project owner shall request the CBO's inspection approval of that construction.	Provide the required written documentation to the CPM.	Monthly	Include in the MCR	KIEWIT			

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

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CONS	MECH-3	HVAC SYSTEMS: Submit for CBO design review and approval the proposed final design, specifications and calculations for each HVAC system listed in the CBO approved master drawing and master specification list.	Submit the calcs, plans, and specs to the CBO, including a copy of the signed and stamped statement from the responsible mech engr certifying compliance with CBC and other applicable codes, with a copy of transmittal to CPM.	At least 30 days prior to start of construction of any HVAC or refrig system	As required	KIEWIT			
CONS	NOISE-2	Throughout the construction and operation of the project, document, investigate, evaluate, and attempt to resolve all project-related noise complaints. Noise Complaint Resolution process will be used.	File a Noise Complaint Resolution Form with the City and the CPM documenting resolution of the compliant.	Within 5 days of receiving a noise compliant	As required	K&G	2/4/11		Received noise complaint 1/31/2011. Submited form to the CEC 2/4/2011
COMM	NOISE-4a	Project design will include noise mitigation measures to ensure that noise levels due to operation of the project alone will not exceed an hourly average of 54 dBA at or near LT-1 and 45 dBA at or near LT-2; No single piece of equipment shall be allowed to stand out as a source of noise that draws legitimate complaints.	Conduct a community noise survey at monitoring location LT-1, LT-2, or at a closer location acceptable to the CPM. This survey during the power plant's full-load operation shall also include measurement of one-third octave band sound pressure levels.Conduct a survey of noise at monitoring locations.	Within 30 days of project's first achieving a sustained output of 85% or greater of rated capacity	5/31/13	KIEWIT			
COMM	NOISE-4b	Submit a summary report of the survey to the CPM. Included in the survey report shall be a description of any additional mitigation measures necessary to achieve compliance with the above listed noise limit, and a schedule, subject to CPM approval, for implementing these measures.	Submit required info to the CPM.	Within 15 days after completing noise survey	6/15/13	KIEWIT			
COMM	NOISE-5	Conduct an occupational noise survey to identify the noise hazardous areas in the facility when plant reaches 85% of rated capacity or greater	Prepare a report of the survey results and, if necessary, identify proposed mitigation measures that will be employed to comply with the applicable California and federal regulations.	Within 30 days after completing survey	6/30/13	KIEWIT			
CONS	PAL-5	Ensure that the PRS and PRM(s) monitor consistently with the PRMMP, all construction-related grading, excavation, trenching, and auguring in areas where potentially fossil-bearing	Paleo monitors shall provide monthly summaries for inclusion in MCR.	Monthly	Include in the MCR	PRS			
CONS	PAL-6	Through the designated PRS, ensure that all components of the PRMMP are adequately performed (see list of activities included in Condition).	Maintain in compliance file copies of signed contracts or agreements with the designated PRS and other qualified research specialists. Maintain these files for a period	As required	As required	PRS			

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

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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			
CONS	Soil & Water-3	If groundwater is encountered during construction or operation: comply with the requirements of the CVRWQCB Order NO. R5-2008-0081 for Waste Discharge Requirements for Dewatering and Other Low threat Discharges to Surface Waters.	Submit a complete Notice of Intent (NOI) to obtain coverage under CVRWQCB Order No. R5-2008-0081. Submit copies to the CPM of all correspondence between the project owner and the CVRWQCB regarding Order No. R5-2008-0081 within 10 days of its receipt or submittal.	Prior to any groundwater discharge or dewatering activities	As required	KIEWIT			
CONS	Soil & Water-4	Comply with the requirements of the General National Pollutant Discharge Elimination System (NPDES) Permit for Discharges of Storm Water Associated with Industrial Activity (WQO 97-03-DWQ).	Develop andsubmit an Industrial SWPPP for the operation of the MLGS. Submit copies to the CPM of all correspondence between the project owner and the Central Valley Regional Water Quality Control Board regarding the industrial SWPPP within 10 days of its receipt or submittal.	Prior to commercial ops	5/1/13	GenOn			
CONS	Soil & Water-5a	Provide 2 copies of the executed Waste Water Discharge Agreement with DDSD for the long term discharge of all watewater streams for the MLGS to DDSD wastewater treatment facilites. Shall specify Peak discharge rate of 118 gpm. Do	Submit 2 copies of the of the executed agreement for the discharge of wastewater form the MLGS	No later than 60 days prior to connection the DDSD wastewater pipeline	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			

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

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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			
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	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,	At least 60 days prior to start of any structure or component listed in Facility Design	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	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	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	As required	As required	KIEWIT			
CONS	STRUC-3	Submit to the CBO design changes to the final plans required by the CBC, including the revised drawings, specifications, calculations, and a complete description of, and supporting rationale for, the proposed changes, and shall give to the CBO prior notice of the intended filing.	Notify the CBO of the intended filing of design changes, and notify the CPM in the MCR of the CBO's approval of the revised plans.	Monthly	Include in the MCR	KIEWIT			

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

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CONS	STRUC-4	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts specified in the 2007 CBC shall, at a minimum, be designed to comply with the requirements of that chapter.	Submit to the CBO for design review and approval the final plans, specs, and calcs, including a copy of the signed and stamped statement from the responsible engineer certifying compliance with LORS	At least 30 days prior to the start of installation of the tanks or vessels	As required	GenOn - Ammonia Tank KIEWIT - All Other			
CONS	TLSN-1	Construct the proposed transmission line according to the requirements of California Public Utility Commission's GO-95, GO-52, GO-131-D, Title 8, and Group 2, High Voltage Electrical Safety Orders, Sections 2700 through 2974 of the California Code of Regulations, and Pacific Gas and Electric's EMF-reduction	Submit to the CPM a letter signed by a CA registered EE affirming that the line will be constructed according to the requirements set forth in the Condition.	At least 30 days prior to starting construction of proposed new lines	12/2/11	KIEWIT			
CONS	TLSN-2	Every reasonable effort will be made to identify and correct, on a case-specific basis, any complaints of interference with radio or TV signals from operation of the proposed line and	Submit to the CPM a letter signed by a CA registered EE affirming the project owners intention to comply with this requirment.	At least 30 days before starting operation of either line option	11/1/12	KIEWIT			
CONS	TLSN-3	Use a qualified individual to measure the strengths of the electric and magnetic fields from the line at the points of maximum intensity along the proposed route. The measurements shall be made before and after energization according to ANSI/IEEE standard procedures. These measurements shall be completed not later than	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			

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

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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-1	Provide the CPM and CBO with a schedule of transmission facility design submittals, a master drawing list, a master specifications list, and a major equipment and structure list as indicated in the condition.	Provide info to CBO and CPM.	At least 60 days prior to start of transmission line construction.	11/2/11	KIEWIT			
CONS	TSE-3	If any discrepancy in design and/or construction is discovered in any engineering work that has undergone CBO design review and approval, the project owner shall document the discrepancy	Submit a copy of the CBO's approval or disapproval of any corrective action taken to resolve a discrepancy to the CPM.	Within 15 days of receipt	As required	KIEWIT			
CONS	TSE-4	For the power plant switchyard, outlet line and termination, construction shall not begin until plans for that increment of construction have been approved by the CBO. These plans, together with design changes and design change notices, shall remain on the site for one year after completion of construction.	Submit to the CBO for review and approval the final design plans, specifications and calculations	Before the start of each increment of construction	As required	K&G			
CONS	TSE-5a	Design, construct, and operate the proposed transmission facilitiesin in conformance with all applicable LORS, and the requirements listed in the condition.	Submit to the CBO: a) Design drawings, specifications, and calculations conforming with CPUC General Order 95 or National Electric Safety Code (NESC); Title 8 of the California Code and Regulations (Title 8);	Prior to start to start of construction of the transmission facilities	1/1/12	KIEWIT			

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

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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, or other acceptable alternative verification, that the transmission element(s) will conform 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*, California ISO standards, National Electric Code (NEC), and related industry standards;	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	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 modification of transmission facilities, the project owner shall inform the CBO and the CPM of any anticipated changes to the design that are different from the design	Prior to start to start of construction of the transmission facilities	1/1/12	GenOn			

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

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CONS	TSE-5h	Inform the CPM and CBO of any impending changes which may not conform to the requirements of TSE-05 and request approval to implement such changes.	Inform the CBO and CPM of any impending changes.	Prior to start to start of construction of the transmission facilities	1/1/12	KIEWIT			
CONS	TSE-6	Provide notice to the Cal-ISO prior to synchronizing the facility with the California transmission system:	Provide notice to the Cal-ISO prior to synchronizing the facility with the California transmission system:	One week prior to initial synchronization w/ the grid	11/24/12	GenOn			
CONS	TSE-7	Inspect the transmission facilities during and after project construction, and for any subsequent CPM- and CBO-approved changes, to ensure conformance with CPUC General Order 95 or National Electric Safety Code	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			

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

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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	Contact the CPM to discuss the documentation required in the lighting mitigation plan. The project owner shall not order any exterior lighting until receiving CPM approval of the lighting mitigation plan.	At least 90 days prior to ordering any permanent exterior lighting	2/1/13	KIEWIT			
CONS	VIS-3b	Prepare a lighting mitigation plan that includes the specific info set forth in the condition.	Submit to the CPM for review and approval and simultaneously to the Contra Costa County for review and comment a lighting mitigation plan.	At least 60 days prior to ordering any permanent exterior lighting	3/1/13	KIEWIT			
CONS	VIS-3c	Notify the CPM that the permanent exterior lighting has been completed and is ready for inspection.	Set up an inspection appointment.	Prior to start of commercial operation	4/1/13	KIEWIT			
CONS	VIS-3d	Notify the CPM of any complaints re: lighting.	Submit a complaint resolution form to the CPM record each lighting complaint and document resolution of that complaint.	Within 48 hours after receiving a complaint	As required	KIEWIT-During Construction GenOn -			
CONS	WASTE-1b	Manage asbestos waste during demolition to comply with BAAQMD regulation 11, rule 2	Provide summary report(s) to the CPM on asbestos waste management via MCR to include items specified w/in the condition	Monthly	Include in the MCR	K&G			
CONS	WASTE-4	If potentially contaminated soil is identified during site characterization, excavation, or grading at either the proposed site or linear facilities, as evidenced by discoloration, odor, detection by handheld instruments, or other signs, the Professional Engineer or Professional Geologist	Submit any final reports filed by the Professional Engineer or Professional Geologist to the CPM. Project owner must notify the CPM within 24 hours of any orders issued to halt construction.	Within 5 days of their receipt	As required	KIEWIT	4/15/2011 4/26/2011		Oily dirt - East side Oily dirt- Middle of Power Block

Mirant Marsh Landing CEC Compliance Matrix

Based on CEC Final Decision
08 - AFC -03

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CONS	WASTE-5b	Require all project contractors and subcontractors to adhere to the city's waste diversion requirements and provide to the project owner adequate documentation of the types and volumes of wastes generated, how the wastes were managed, and volumes of wastes diverted	Submit documentation to the city of Antioch, with copies to the CPM, demonstrating compliance with th diversion program requirements. The required documentation shall include a final completed Waste Management Plan (as set forth by the city ordinance) and all necessary receipts or records of measurement from entities receiving project wastes.	Not later than 30 days after completion of project construction	5/1/13	KIEWIT			
CONS	WASTE-5c	Comply with all applicable provisions of the city of Antioch's Construction and Demolition Debris Recycling Ordinance No. 1018- C-S	Provide documentation to the CPM that the project has satisfactorily complied with the city of Antioch Ordinance No. 1018-C-S	Prior to start of project Operation	5/1/13	KIEWIT			
OPS	WASTE-6b	Obtain a hazardous waste generator identification number from the United States Environmental Protection Agency prior to generating any hazardous waste during operations.	Keep a copy of the identification number on file at the project site and provide the number to the CPM.	At least 30 days prior to commercial operation.	5/31/13	GenOn			
COMM	WASTE-7a	Prepare an Operation Waste Management Plan for all wastes generated during operation of the facility	Submit the plan to the CPM for review and approval. The plan shall contain, at a minimum the items in the condition. submit any required revisions to the CPM within 20 days of notification from the CPM that revisions are necessary.	No less than 30 days prior to the start of project operation	4/1/13	GenOn			

Mirant Marsh Landing CEC Compliance Matrix

Based on CEC Final Decision
08 - AFC -03

Color Code Key:

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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	Provided to the CPM unauthorized release/spill documentation	Within 30 days of the date the release was discovered.	As required	K&G			
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	At least 30 days prior to first fire or commissioning	1/1/13	GenOn			
CONS	WORKER SAFETY-3b	The CSS shall prepare and submit a monthly safety inspection that includes the info specified in the verification language of the condition.	Submit required info to the CPM.	Monthly	Include in the MCR	KIEWIT			
PC-1	Soil & Water-1a	Coordinate with the Water Board as necessary develop and implement a construction SWPPP	Submit to the CPM copies of all correspondence with the Water Control Board regarding the SWPPP within 10 days of receipt.	No later than 30 days prior to start of site mobilization	12/2/10	KIEWIT	1/5/11		Approved (No Date Given)
PC-1	Soil & Water-1b	Develop and implement a Storm Water Pollution Prevention Plan (construction SWPPP) for the LEC site, laydown areas, and on-site linear facilities. Submit to the CPM a copy of the construction SWPPP. Info should include a copy of the Notice of Intent for Compliance with the	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)

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

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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	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 Management District. The project owner shall surrender the ERCs from among Bay Area Air Quality Management District Certificate Numbers	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. The CPM shall maintain an updated list of approved ERCs for the project.	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	9/21/10	2010-1221 Returned 10/6/2010	Approved 10/20/2010
PC-1	BIO-4a	Develop and implement a CPM-approved Worker Environmental Awareness Program (WEAP) in which each of its employees, as well as employees of contractors and subcontractors who work on the project site or any related	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

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

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PC-1	BIO-5	Prepare the proposed BRMIMP (see BIO-6 for detailed requirements of the BRMIMP).	Submit two copies of the BRMIMP to the CEC CPM for review and approval and to USFWS/CDFG for review and comment	At least 60 days prior to site or related facilities mobilization	11/2/10	BIOLOGIST	10/13/2010 Resub 11/18/2010	21010-1362 11/3/10 2010-1679 11/18/2010	Additional Information Submitted 12/3/2010 Additional copy sent per request of
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 around the nest.	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 be provided to CDFG.	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
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

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

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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	10/12/2010	Approved 10/12/2010 Submitted Ms. Kathleen Kubal
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)
PC-1	CUL-3a	Submit the Cultural Resources Monitoring and Mitigation Plan (CRMMP), as prepared by the CRS. (See condition for specific requirements.)	Submit the entire CRMMP to the CEC CPM for review and approval.	At least 30 days prior to ground disturbance	12/2/10	CULTURAL SPECIALIST	10/26/2010 Revised 11/2/2010	2010-1485 2010-1566	Approved 1/11/2011
PC-1	CUL-3b	Agree to pay curation fees for any materials collected as a result of the archaeological investigations (survey, testing, data recovery)	Provide the required written documentation to the CPM.	At least 30 days prior to ground disturbance	12/2/10	GenOn	10/26/10	2010-1485	Approved 1/11/2011
PC-1	CUL-5a	The CRS shall prepare a WEAP that addresses all issues specified in Condition and provided training to all new workers within their first week of employment at the project site, laydown areas, and along the linear facilities routes.	Provide the draft text and graphics for the training program to the CPM for review and approval.	At least 30 days prior to ground disturbance	12/2/10	CULTURAL SPECIALIST	10/26/2010 1/26/2011	2010-1362	Approved 12/10/2010 Submitted WEAP training Video 1/26/2010 Final version sent with

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

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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 24 hours of a discovery, or by Monday morning if the cultural resources discovery occurs between 8:00 AM on Friday and 8:00 AM on Sunday morning.	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	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
PC-2	GEN-4	Assign a California registered architect, or a structural or civil engineer as the resident engineer (RE) in charge of the project.	Submit to the CBO for review and approval, the resume and registration number of the RE and any other delegated engineers assigned to the project. Notify the CPM of	At least 30 days prior to start of rough grading	3/2/11	KIEWIT	12/3/2010; To CBO 1-26-11	2010-1785	Approved (No Date Given)
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	Submit to the CBO for review and approval, resumes and registration numbers of the responsible engineers. Notify the CPM of	At least 30 days prior to start of rough grading	3/2/11	KIEWIT	To CBO 1/17/11 To CEC		CBO Approved 2-16-11 CEC Approved 3/16/2011 Submitted
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 9/23/2011		CBO Approved 2-24-11 9/23/2011 Sent Quals to CEC for Jay Locatelli, Micah Ek, Jeffrey

Mirant Marsh Landing CEC Compliance Matrix

Based on CEC Final Decision
08 - AFC -03

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Pre-Const	Construction	Commiss.	Operations	To CEC or Agency	Approved by CEC

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PC-2	GEO-1	Specifically include in the Soils and Engineery Report, laboratory test data, associated geotechnical engineering analyses, and a thorough discussion of the potential for liquefaction and associated lateral spread, and dynamic compaction. The report should also include recommendations for ground improvement and/ or foundation systems necessary to mitigate these potential geologic hazards, if present.	Include in the application for a grading permit a copy of the Soils Engineering Report which address the potential for liquefaction and associated lateral spread; settlement due to compressible soils, dynamic compaction; and the possible presence of expansive clay soils, and a summary of how the results of the analysis were incorporated into the project foundation and grading plan design of review and comment by the Chief Building Official (CBO)	At least 30 days prior to the start of grading	3/2/11	KIEWIT	2/19/2011 to CEC and CBO		Approved 3/28/2011
PC-2	HAZ-7	Prepare a site-specific construction security plan for the construction phase which addresses the items in the Condition.	Notify the CPM that a site-specific construction security plan is available for review and approval.	At least 30 days prior to start of construction	3/2/11	KIEWIT	11/24/10	2010-1731	Approved (No Date Given)
PC-1	NOISE-1	Notify all residents within one mile of the site and one-half mile of the linear facilities, by mail or other effective means, of the commencement of project construction. Establish a telephone number for use by the public to report any undesirable noise conditions associated with the	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	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	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	Prior to Ground Distrubance	12/2/10	KIEWIT	11/19/2010 5/5/2011 5/19/2011	2010-1728	Approved 12/15/2010 4/22/2011
PC-1	PAL-1a	Provide the CPM with the resume and qualifications of the Paleontological Resource Specialist (PRS) for review and approval.	Submit the resume, references, and statement of availability to the CPM for review and approval.	At least 60 days prior to ground disturbance	11/2/10	GenOn	9/29/2010 4/22/2011	2010-1260 10/5/2010	Approved 9/30/2010 New Monitor Annette Conrelius
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)

Mirant Marsh Landing CEC Compliance Matrix

Based on CEC Final Decision
08 - AFC -03

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PC-1	PAL-2	Provide to the PRS and the CPM, for approval, maps and drawings showing the footprint of the power plant, construction laydown areas and all related facilities.	Provide maps and drawings to the PRS and CEC CPM	At least 30 days prior to ground disturbance	12/2/10	GenOn	12/2/10		Approved (No Date Given)
PC-1	PAL-3	The PRS shall prepare and submit a Paleontological Resources Monitoring and Mitigation Plan (PRMMP) to identify general and specific measures to minimize potential impacts to significant paleontological resources.	Provide the PRMMP to the CEC CPM, including an affidavit of authorship by the PRS and acceptance of the PRMMP by the project owner evidenced by a signature.	At least 30 days prior to ground disturbance	12/2/10	PRS	11/4/2010 Final 12/14/2010	2010-1577	Ammended 7/26/10 Affidavit not required. Approved 12/21/2010
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
PC-2	SOCIO-1	Pay the one-time statutory school development fee to the Antioch Unified School District as required by Education Code Section 17620	Provide the CPM proof of payment of the fee	At least 30 days prior to start of project construction	3/2/11	GenOn	2/4/11		Approved (No Paperwork Given)
PC-1	Soil & Water-2a	Obtain CPM approval for a site- specific Drainage, Erosion, and Sedimentation Control Plan (DESCP)	Submit a copy of the DESCP to the CPM along with evidence from Contra Costa County that the DESCP meets the requirements of Contra Costa Clean Water Program.	No later than 30 days prior to the start of site mobilization	12/2/10	KIEWIT	1/24/11	2011-0158	Approved (No Paperwork Given)
PC-2	Soil & Water-2b	Coordinate with Contra Costa County to ensure that the DESCP meets local requirements for a post-construction Storm Water Control Plan.	The DESCP shall meet local requirements for a post-construction Storm Water Control Plan.	No later than 30 days prior to the start of construction.	3/2/11	KIEWIT	2/19/11		Approved 3/28/2011
PC-1	TRANS-1	In coordination with Contra Costa County Public Works Department, develop and implement a construction traffic control plan to include the items specified within the condition	Provide CCCPW and the city of Antioch Engineering Department for review and comment the construction traffic control plan. Provide to the CPM the construction 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

Mirant Marsh Landing CEC Compliance Matrix

Based on CEC Final Decision
08 - AFC -03

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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
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

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08 - AFC -03

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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 and all directives issued by the California EPA	Provide the CPM for review and approval all project-related plans, results, and assessments provided by PG&E to DTSC and all obtainable project-related written correspondence between DTSC and PG&E	At least thirty (30) days prior to the start of any soil excavation or grading	3/2/11	GenOn	11/29/2010 6/28/2011	2010-1738 returned 12/3/2010 2011-0144	**Pending DTSC approval of plan letter. Additional**
PC-2	WORKER SAFETY-1	Submit a copy of the Project Construction Safety and Health Program containing the following construction plans: PPE, Exposure Monitoring, IIPP,EAP, and FPP. provide a copy of a letter to the CPM from the CCC Fire Protection District	The Safety Program, PPE, IIPP, and Exposure Monitoring Program shall be submitted to the CEC CPM for review and approval; the EAP and FPP shall be submitted to the CCC Fire Protection District	At least 30 days prior to start of construction	3/2/11	KIEWIT	1/11/11	2011-0111	Approved (No Paperwork Given)
PC-1	WORKER SAFETY-3a	Provide a site Construction Safety Supervisor (CSS) who, by way of training and/or experience, is knowledgeable of power plant construction activities and relevant laws, ordinances, regulations, and standards; is capable of identifying workplace hazards relating to the construction activities; and has authority to take	Submit to the CPM the name and contact information for the Construction Safety Supervisor (CSS). The contact information of any replacement CSS shall be submitted to the CPM within one business day.	At least 30 days prior to the start of construction	3/2/11	KIEWIT	11/18/2010 Kiewit		Approved (No Paperwork Given)
PC-2	WORKER SAFETY-4	Make payments to the CBO for the services of a Safety Monitor (in addition to the other services provided by the CBO). Safety monitor shall be responsible for verifying that the	Provide proof of agreement to fund the safety monitor services to the CPM for review and approval.	Prior to the start of construction	3/2/11	GenOn	1/31/11	2011-0220	Provided CBO letter confirming service were covered by GenOn 1/31/2011
PC-1	WORKER SAFETY-5a	Ensure that a portable automatic external defibrillator (AED) is located on site during demolition & construction, and shall implement a program to ensure that workers are properly trained in its use and that the equipment is properly maintained and functioning at all times.	Submit to the CPM proof that a portable automatic external defibrillator (AED) exists on site and a copy of the training and maintenance program for review and approval.	At least 30 days prior to the start of construction	12/2/10	KIEWIT	11/24/2010 Kiewit		Approved (No Paperwork Given)

4.0 Conditions Satisfied During the Reporting Period

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	Approval Date and Notes

Marsh Landing Generating Station

Monthly Compliance Report

December 2011

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

December 2011

6.0 Approved Changes to Conditions of Certification – Cumulative List

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

7.0 Other Governmental Agency Filings and Permits Issued

GenOn, on behalf of Kiewit, applied to the Central Valley Regional Water Quality Control Board (CVRWQCB) for a dewatering discharge permit on October 20, 2011. CVRWQCB issued the dewatering discharge permit on December 30, 2011.

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

Monthly Compliance Report

December 2011

8.0 Project Two Month Projection

Kiewit will pour CTG foundation for Power Block 1; SCR, tempering air fans and CT air inlet foundations for Power Block 2. They will continue installing forms, rebar, electrical conduit and piping embeds in Power Block 3, and electrical duct banks in Power Blocks 3&4. They will continue installing duct banks in the fuel gas and water treatment areas. They will continue to install the 5kV electrical vault. Work will also continue on pipe trenches, water lines and gas lines

Kiewit will install the construction warehouse slab on grade and then start erecting the warehouse building.

Kiewit will continue project engineering

Siemens will continue engineering, procurement and manufacturing process related to gas turbine-generator equipment. Two combustion turbines and one generator will ship. Remaining two GSUs will be delivered to the site.

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

9.0 Additions to the On-Site Compliance File

The following items were added to the compliance file

Sub #	Conditions Submitted	Date of Submission
80	Monthly Compliance Report – December 2011	Dec. 14, 2011
81	Waste-4	Dec. 14, 2011
82	TSE - 1	Dec. 21, 2011
83	Noise - 6	Dec 29, 2011

Marsh Landing Generating Station

Monthly Compliance Report

December 2011

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

On December 19, 2011 Wild Equity Institute, Communities for a Better Environment and Center for Biological Diversity filed a 60-day Notice of Intent to sue (NOI) for alleged violations of the federal Endangered Species Act related to nitrogen emissions from MLGS (and Contra Costa Generating Station).

Marsh Landing Generating Station

Monthly Compliance Report

December 2011

11.0 Key Events List-

Milestone	DATE (Expected or Actual)*
Event Description	
Certification Date	8/25/2010 (Actual)
Obtain Site Control	9/21/2010 (Actual)
Online Date	5/1/2013
Site Activities	
Start Site Mobilization	2/15/2011 (Actual)
Start Construction	3/25/2011 (Actual)
Start Grading	4/19/2011 (Actual)
Start Ground Disturbance	4/19/2011 (Actual)
Begin Pouring Major Foundation Concrete	10/1/2011
Begin Installation of Major Equipment	12/1/2011
Complete All Construction	4/1/2013
First Combustion Gas Turbine	5/1/2013
Obtain Building Occupation Permit	5/1/2013
Start Commercial Operation	5/1/2013
Transmission Line Activities	
Start T/L Construction	1/1/2012
Synchronization with Grid and Interconnection	12/1/2012
Complete T/L Construction	5/1/2012
Fuel Supply Line Activities	
Start Gas Pipeline Construction and Interconnection	6/29/2011 (Actual)
Complete Gas Pipeline Construction	7/1/2012
Water Supply Line Activities	
Start Water Supply Line Construction	5/16/2011 (Actual)
Complete Water Supply Construction	7/1/2012
CEC Authorization	
Obtain Asbestos Removal Letter from CEC	1/31/2011 (Actual)
Obtain Authority to Construct Letter from CEC	3 /25/2011 (Actual)

*Dates indicated are actual or expected dates GenOn Marsh Landing began or expects to begin construction/ and or activities related to the facility of the milestone indicated.